Orthodontic Products

Catalog

IMD

NEW COMING: ActMIM | Ophro | Sapphire | Glacier

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Who we are

Customer Service

IMD is dedicated to excellent customer service by providing the fastest delivery time in the industry. The vast majority of standard orders are shipped within two working days.

Manufacturing Excellence

Our team of over 200 staff member shares one common goal utilize the combination of our highly trained workforce and the latest high-tech equipment including lasers, metal injection molding, to produce the finest quality, complete line of orthodontic technology products available.

Quality Assurance

Dedication to quality begins with our Research & Development department and continues through production, packaging and shipping of our products. That same dedication has also made us qualified for ISO 9001, ISO 13485, CE mark medical device and FDA registration.

International Presence

IMD orthodontics' products are used by orthodontists in over 80 countries worldwide. Our network of distributors are orthodontics experts and have represented us for many years, providing the best service to orthodontists around the world.

Superior Orthodontic Products

Providing high quality products, service and innovative ideas at a competitive price.

Sino-American joint venture company

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http://en.imdmedical.com/

FDA CE 0197 ISO 13485 ISO 9001

Dear Doctors:

We at Innovative Material and Devices, Inc.(IMD) are excited to present you with the new edition of our catalog! As you can see, the catalog has expanded in size as our product line has continued to grow over these years.

The key to our rapid success has been a strong emphasis on strict quality control. We've aimed to take every process of production, service and manage it in-house with our modern facilities and advanced concept. From the brackets manufacturing technology to archwires polishing process, from the product package to marketing literature, we control each step, ensuring the high quality in the whole process. This type of internal control ensures every single manufacturing step of IMD products is under extremely strict control at our quality standard, which made us qualified for ISO 9001, ISO 13485, CE mark medical device and FDA registration.

Founded in 2004, IMD was from a small beginning. Over the past 14 years, we grew quickly and became a public company since 2014. Our team of over 200 staff members shares one common goal utilize the combination of our highly trained workforce and the latest high-tech equipment including lasers, metal injection molding, to produce the finest quality, complete line of orthodontic technology products available.

Today, our orthodontics' products are used by orthodontists in over 80 countries worldwide. Our distributors are orthodontics experts and have represented us for many years, providing the best service to orthodontists around the world.

Meanwhile, we're dedicated to excellent customer service by providing the fastest delivery time in the industry and the value-added services. The vast majority of standard orders are shipped within two working days. In effort to facilitate the value-added services, we have built a 600㎡ training center in the heart of our manufacturing headquarters, right here in Shanghai. Over 10 international experts came here to make lectures and shared the advanced orthodontic concept, which was well received in Chinese orthodontists.

Everyone at IMD would like to thank you for your continuous support on our product and innovation. We will continue to make every effort to improve our products and services. Your success is our success, and we look forward to building a bright future together!

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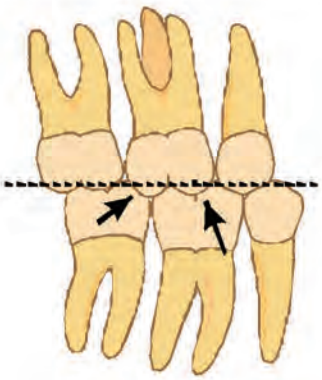
BRACKET SYSTEMS

Six Keys

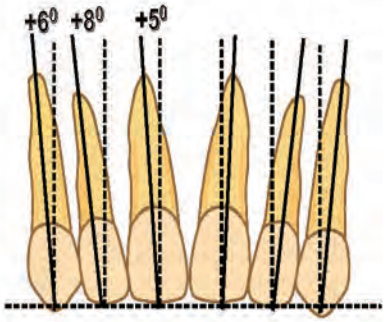
Key 1 Interarch Relationship

The interarch relationship represents the way the upper and lower arches fit together.



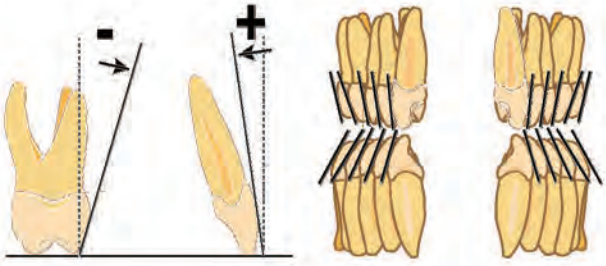
Key 2 Crown Angulation

All crowns have a positive angulation. The gingival portion of the crown should be distal to the incisal-occlusal portion.



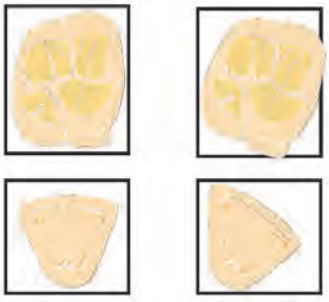
Key 3 Crown Inclinations

Crowns should have a consistent inclination pattern. The upper central and lateral teeth normally have a positive inclination. All other teeth normally have a negative inclination.



Key 4 Rotations

All crowns should be free of rotations,meaning the teeth should occupy the correct amount of space to maintain the good interarch relationship. This results in good aesthetics and sound functionality.

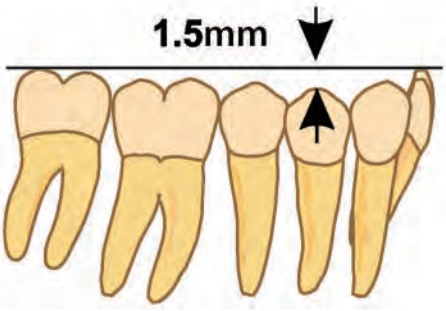


Key 5 Spacing

Contact points between teeth should abut unless a discrepancy exists is in mesio-distal crown diameter. This spacing preserves the aesthetic and functional qualities of the arches

Key 6 Curve of Spee

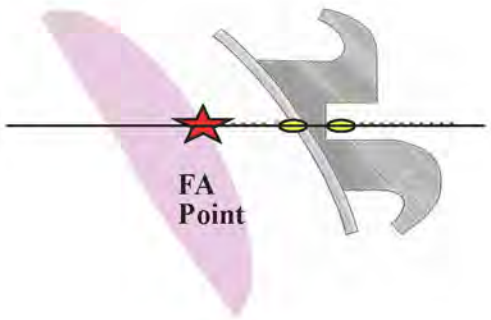
The depth of the curve of spee should range from flat to a slightly concave surface not greater than 2.5mm



Basic Information

Torque In The Base

Torque is built into the base, which allows the center of slot, the base point and FA point on the same plane. This is a necessity for proper bracket placement, accurate torque and in/out expressed.

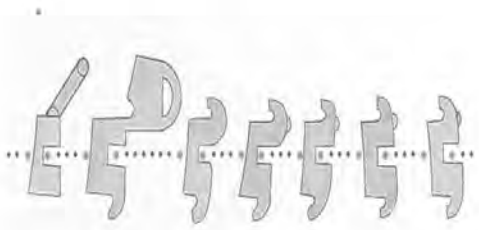


Compound Contour Base

Compound contour base will mirror the mesio-distal and occluso or inciso gingival curvature of the crown of each tooth type. The body curvature must be the same or slightly more curved than the tooth surface so that the bracket stem and slot are precisely positioned.

Level Slot Line Up

As a result of torque in the base and compound contours, all brackets line up on the same plane, not only helps eliminate wire bends, but also the accurate torque and in/out expressed.



In/Out

In and out(first order) bends are eliminated with proper bracket placement.

Metal Bracket Prescription and Dimensions Reference Chart

Copolla Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Standard	U1	3.3	12	5	0
	U2	2.8	8	9	0
	U3	3	-2	13	0
	U3/HK	3	-2	13	0
	U4*5	2.8	-7	0	0
	U4*5/HK	2.8	-7	0	0
	L1*2	2.4	-1	0	0
	L3	3	-11	7	0
	L3/HK	3	-11	7	0
	L4	2.8	-17	0	0
	L4/HK	2.8	-17	0	0
	L5	2.8	-22	0	0
	L5/HK	2.8	-22	0	0

Copolla Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Mini	U1	3	12	5	0
	U2	2.6	8	9	0
	U3	2.8	-2	13	0
	U3/HK	2.8	-2	13	0
	U4*5	2.6	-7	0	0
	U4*5/HK	2.6	-7	0	0
	L1*2	2.4	-1	0	0
	L3	2.8	-11	7	0
	L3/HK	2.8	-11	7	0
	L4	2.6	-17	0	0
	L4/HK	2.6	-17	0	0
	L5	2.6	-22	0	0
	L5/HK	2.6	-22	0	0

Slot Width±0.04mm		Slot Depth±0.08mm	
18	22	18	22
0.46	0.56	0.68	0.78

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Metal Bracket Prescription and Dimensions Reference Chart

Copolla Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Standard	U1	3.6	17	4	0
	U2	3	10	8	0
	U3	3	-7	8	0
	U3/HK	3	-7	8	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.6	-6	0	0
	L3	3	-6	3	0
	L3/HK	3	-6	3	0
	L4	3	-12	0	0
	L4/HK	3	-12	0	0
	L5	3	-17	0	0
	L5/HK	3	-17	0	0

Copolla Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Mini	U1	3.4	17	4	0
	U2	2.8	10	8	0
	U3	3	-7	8	0
	U3/HK	3	-7	8	0
	U4*5	2.8	-7	0	0
	U4*5/HK	2.8	-7	0	0
	L1*2	2.4	-6	0	0
	L3	3	-6	3	0
	L3/HK	3	-6	3	0
	L4	2.8	-12	0	0
	L4/HK	2.8	-12	0	0
	L5	2.8	-17	0	0
	L5/HK	2.8	-17	0	0

Slot Width±0.04mm		Slot Depth±0.08mm	
18	22	18	22
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Metal Bracket Prescription and Dimensions Reference Chart

Ophro Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Standard	U1	3.2	12	5	0
	U2	2.8	8	9	0
	U3	3	-2	10	0
	U3/HK	3	-2	10	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.4	-1	0	0
	L3	3	-11	7	0
	L3/HK	3	-11	7	0
	L4	3	-17	0	0
	L4/HK	3	-17	0	0
	L5	3	-22	0	0
	L5/HK	3	-22	0	0

Ophro Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Mini	U1	3	12	5	0
	U2	2.6	8	9	0
	U3	2.8	-2	10	0
	U3/HK	2.8	-2	10	0
	U4*5	2.8	-7	0	0
	U4*5/HK	2.8	-7	0	0
	L1*2	2.4	-1	0	0
	L3	2.8	-11	7	0
	L3/HK	2.8	-11	7	0
	L4	2.8	-17	0	0
	L4/HK	2.8	-17	0	0
	L5	2.8	-22	0	0
	L5/HK	2.8	-22	0	0

Slot Width±0.04mm		Slot Depth±0.08mm	
18	22	18	22
0.46	0.56	0.68	0.78

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Metal Bracket Prescription and Dimensions Reference Chart

Ophro Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Standard	U1	3.4	17	4	0
	U2	2.6	10	8	0
	U3	2.8	-7	8	0
	U3/HK	2.8	-7	8	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.4	-6	0	0
	L3	3	-6	3	0
	L3/HK	3	-6	3	0
	L4	3	-12	2	0
	L4/HK	3	-12	2	0
	L5	3	-17	2	0
	L5/HK	3	-17	2	0

Ophro Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Mini	U1	3	17	4	0
	U2	2.6	10	8	0
	U3	2.8	-7	8	0
	U3/HK	2.8	-7	8	0
	U4*5	2.8	-7	0	0
	U4*5/HK	2.8	-7	0	0
	L1*2	2.4	-6	0	0
	L3	2.8	-6	3	0
	L3/HK	2.8	-6	3	0
	L4	2.8	-12	2	0
	L4/HK	2.8	-12	2	0
	L5	2.8	-17	2	0
	L5/HK	2.8	-17	2	0

Slot Width±0.04mm		Slot Depth±0.08mm	
18	22	18	22
0.46	0.56	0.68	0.78

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Metal Bracket Prescription and Dimensions Reference Chart

Atua Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Mini	U1	3.2	12	5	0
	U2	2.8	8	9	0
	U3	3.2	-2	13	0
	U3/HK	3.2	-2	13	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.5	-1	0	0
	L3	3	-11	7	0
	L3/HK	3	-11	7	0
	L4	3	-17	0	0
	L4/HK	3	-17	0	0
	L5	3	-22	0	0
	L5/HK	3	-22	0	0

Atua Metal Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Mini	U1	3.2	17	4	0
	U2	2.8	10	8	0
	U3	3.2	-7	8	0
	U3/HK	3.2	-7	8	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.5	-6	8	0
	L3	3	-6	3	0
	L3/HK	3	-6	3	0
	L4	3	-12	2	0
	L4/HK	3	-12	2	0
	L5	3	-17	2	0
	L5/HK	3	-17	2	0

Slot Width±0.04mm		Slot Depth±0.08mm	
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BRACKET SYSTEMS

Bracket Prescription and Dimensions Reference Chart

ProMIM Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Standard	U1	3	12	5	0
	U2	2.8	8	9	0
	U3	3	-2	13	4M
	U3/HK	3	-2	13	4M
	U4*5	3	-7	0	2D
	U4*5/HK	3	-7	0	2D
	L1*2	2.6	-1	2	0
	L3	3	-11	7	2M
	L3/HK	3	-11	7	2M
	L4	3	-17	-1	4D
	L4/HK	3	-17	-1	4D
	L5	3	-22	-1	4D
	L5/HK	3	-22	-1	4D

ProMIM Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Standard	U1	3	17	4	0
	U2	2.8	10	8	0
	U3	3	-7	8	0
	U3/HK	3	-7	8	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.6	-6	0	0
	L3	3	-6	3	0
	L3/HK	3	-6	3	0
	L4	3	-12	2	0
	L4/HK	3	-12	2	0
	L5	3	-17	2	0
	L5/HK	3	-17	2	0

Slot Width±0.04mm		Slot Depth±0.08mm	
18	22	18	22
0.46	0.56	0.68	0.78

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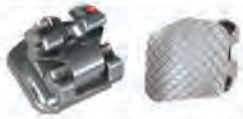
Bracket Prescription and Dimensions Reference Chart



ActMIM Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
Roth/ Standard	U1	3	12	5	0
	U2	2.8	8	9	0
	U3	3	-2	13	4M
	U3/HK	3	-2	13	4M
	U4*5	3	-7	0	2D
	U4*5/HK	3	-7	0	2D
	L1*2	2.6	-1	2	0
	L3	3	-11	7	2M
	L3/HK	3	-11	7	2M
	L4	3	-17	-1	4D
	L4/HK	3	-17	-1	4D
	L5	3	-22	-1	4D
	L5/HK	3	-22	-1	4D

ActMIM Bracket Prescription and Dimensions Reference Chart					
Bracket System	Tooth Position	Slot Length ±0.05mm	Torque ±0.5°	Angle ±0.5°	Offset ±0.5°
McBeTr/ Standard	U1	3	17	4	0
	U2	2.8	10	8	0
	U3	3	-7	8	0
	U3/HK	3	-7	8	0
	U4*5	3	-7	0	0
	U4*5/HK	3	-7	0	0
	L1*2	2.6	-6	0	0
	L3	3	-6	3	0
	L3/HK	3	-6	3	0
	L4	3	-12	2	0
	L4/HK	3	-12	2	0
	L5	3	-17	2	0
	L5/HK	3	-17	2	0

Slot Width±0.04mm		Slot Depth±0.08mm	
18	22	18	22
0.46	0.56	0.68	0.78

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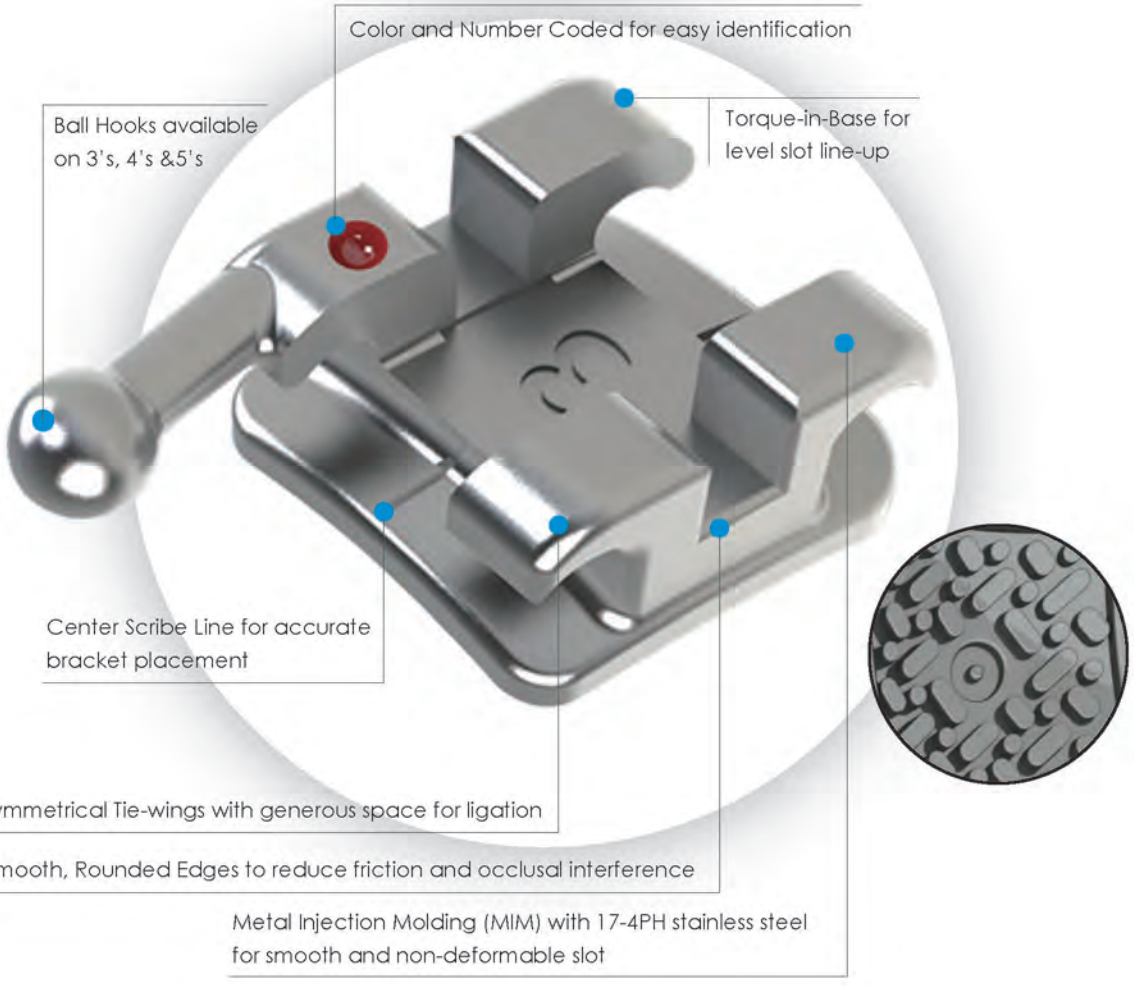
Atua™ - One Piece MIM Bracekt

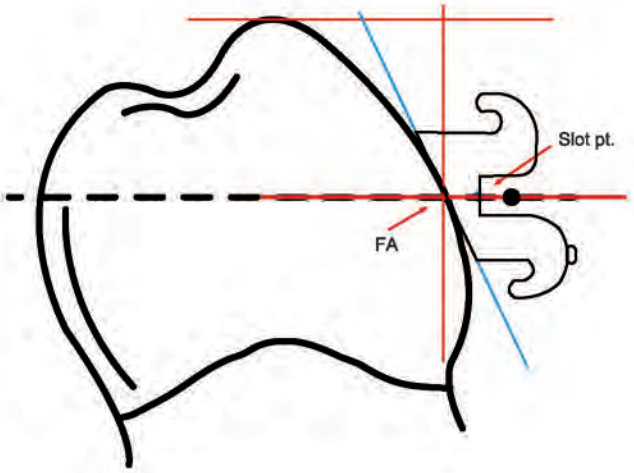


Atua brackets applied to a demontration model

Atua™

Full Control

Ensuring full control, torque is built into the base of each bracket for accurate placement on each tooth. This must be accompanied by the bidirectional arch base or it will not work properly. It allows the slot point, the base point (middle of the base) and the reference point on the tooth to be on the same plane, a necessity for proper tooth positioning and level slot alignment.



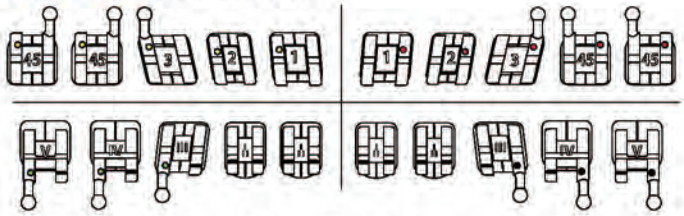
Precise position

Atua brackets are bidirectional arch base, which mirror the mesio-distal and occlusal-gingival curvature of the crown of each tooth type. The base curvature is the same or slightly more curved than the tooth surface so that the bracket stem and slot are precisely positioned.

Consistent Bond

Sandblasted base and bidirectional arch base match the anatomy of the tooth for maximum contact and a strong, consistent bond. One piece metal injection molding eliminates all bracket-to-pad separations.

BRACKET I.D. CHART



Atua series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT11-312-00	KIT11-322-00
U/L 5×5 Hook on 3	KIT11-312-00CHK	KIT11-322-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT11-312-00CBCHK	KIT11-322-00CBCHK

MAXILLARY

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.2	UR		-	11-312-11	11-322-11
					UL			11-312-21	11-322-21
Lateral (U2)	+10°	+8°	0°	2.8	UR		-	11-312-12	11-322-12
					UL			11-312-22	11-322-22
Cuspid (U3)	-7°	+8°	0°	3.2	UR		-	11-312-13	11-322-13
					UL			11-312-23	11-322-23
					UR		D	11-312-13HK	11-322-13HK
					UL			11-312-23HK	11-322-23HK
1st Bicuspid (U4)	-7°	0°	0°	3	UR		-	11-312-14	11-322-14
					UL			11-312-24	11-322-24
					UR		M	11-312-14HK	11-322-14HK
					UL			11-312-24HK	11-322-24HK
2nd Bicuspid (U5)	-7°	0°	0°	3	UR		-	11-312-15	11-322-15
					UL			11-312-25	11-322-25
					UR		M	11-312-15HK	11-322-15HK
					UL			11-312-25HK	11-322-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.5	LR		-	11-312-41	11-322-41
					LL			11-312-31	11-322-31
Anteriors (L2)	-6°	0°	0°	2.5	LR		-	11-312-42	11-322-42
					LL			11-312-32	11-322-32
Cuspid (L3)	-6°	+3°	0°	3	LR		-	11-312-43	11-322-43
					LL			11-312-33	11-322-33
					LR		D	11-312-43HK	11-322-43HK
					LL			11-312-33HK	11-322-33HK
1st Bicuspid (L4)G/O	-12°	+2°	0°	3	LR		-	11-312-44	11-322-44
					LL			11-312-34	11-322-34
					LR		D	11-312-44HK	11-322-44HK
					LL			11-312-34HK	11-322-34HK
2nd Bicuspid (L5)G/O	-17°	+2°	0°	3	LR		-	11-312-45	11-322-45
					LL			11-312-35	11-322-35
					LR		D	11-312-45HK	11-322-45HK
					LL			11-312-35HK	11-322-35HK

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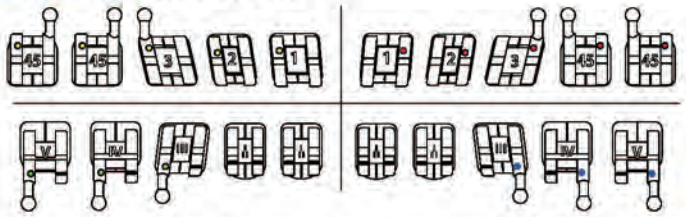
BRACKET I.D. CHART



Atua series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT11-212-00	KIT11-222-00
U/L 5×5 Hook on 3	KIT11-212-00CHK	KIT11-222-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT11-212-00CBCHK	KIT11-222-00CBCHK

MAXILLARY

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.2	UR		-	11-212-11	11-222-11
					UL			11-212-21	11-222-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	11-212-12	11-222-12
					UL			11-212-22	11-222-22
Cuspid (U3)	-2°	+13°	0°	3.2	UR		-	11-212-13	11-222-13
					UL			11-212-23	11-222-23
					UR		D	11-212-13HK	11-222-13HK
					UL			11-212-23HK	11-222-23HK
1st Bicuspid (U4)	-7°	0°	0°	3	UR		-	11-212-14	11-222-14
					UL			11-212-24	11-222-24
					UR		M	11-212-14HK	11-222-14HK
					UL			11-212-24HK	11-222-24HK
2nd Bicuspid (U5)	-7°	0°	0°	3	UR		-	11-212-15	11-222-15
					UL			11-212-25	11-222-25
					UR		M	11-212-15HK	11-222-15HK
					UL			11-212-25HK	11-222-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	0°	2.5	LR		-	11-212-41	11-222-41
					LL			11-212-31	11-222-31
Anteriors (L2)	-1°	0°	0°	2.5	LR		-	11-212-42	11-222-42
					LL			11-212-32	11-222-32
Cuspid (L3)	-11°	+7°	0°	3	LR		-	11-212-43	11-222-43
					LL			11-212-33	11-222-33
					LR		D	11-212-43HK	11-222-43HK
					LL			11-212-33HK	11-222-33HK
1st Bicuspid (L4)G/O	-17°	0°	0°	3	LR		-	11-212-44	11-222-44
					LL			11-212-34	11-222-34
					LR		D	11-212-44HK	11-222-44HK
					LL			11-212-34HK	11-222-34HK
2nd Bicuspid (L5)G/O	-22°	0°	0°	3	LR		-	11-212-45	11-222-45
					LL			11-212-35	11-222-35
					LR		D	11-212-45HK	11-222-45HK
					LL			11-212-35HK	11-222-35HK

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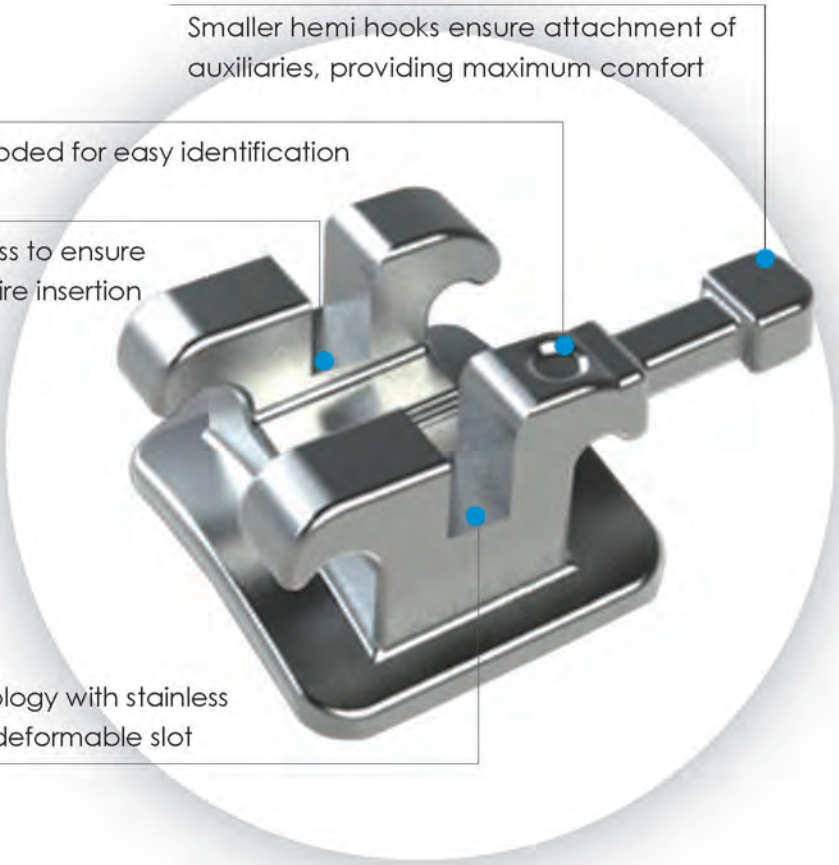
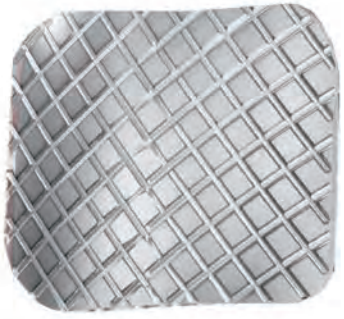
COPOLLA - Foil Mesh bracket- 80 Gauge





An 80 gauge mesh forming a superior surface area of interlocking retention

Bidirectional Arch Base for increased bond strength and accurate bracket placement

BRACKET I.D. CHART

Copolla series Edgewise Mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT13-112-00	KIT13-122-00
U/L 5×5 Hook on 3	KIT13-112-00CHK	KIT13-122-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT13-112-00CBCHK	KIT13-122-00CBCHK

MAXILLARY

Edgewise Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3	UR	●	-	13-112-11	13-122-11
					UL	●		13-112-21	13-122-21
Lateral (U2)	0°	0°	0°	2.6	UR	●	-	13-112-12	13-122-12
					UL	●		13-112-22	13-122-22
Cuspid (U3)	0°	0°	0°	2.6	UR	●	-	13-112-13	13-122-13
					UL	●		13-112-23	13-122-23
					UR	●	D	13-112-13HK	13-122-13HK
					UL	●		13-112-23HK	13-122-23HK
Bicuspid (U4)	0°	0°	0°	2.6	UR	●	-	13-112-14	13-122-14
					UL	●		13-112-24	13-122-24
					UR	●	M	13-112-14HK	13-122-14HK
					UL	●		13-112-24HK	13-122-24HK
Bicuspid (U5)	0°	0°	0°	2.6	UR	●	-	13-112-15	13-122-15
					UL	●		13-112-25	13-122-25
					UR	●	M	13-112-15HK	13-122-15HK
					UL	●		13-112-25HK	13-122-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.4	LR	●	-	13-112-41	13-122-41
					LL	●		13-112-31	13-122-31
Anteriors (L2)	0°	0°	0°	2.4	LR	●	-	13-112-42	13-122-42
					LL	●		13-112-32	13-122-32
Cuspid (L3)	0°	0°	0°	2.6	LR	●	-	13-112-43	13-122-43
					LL	●		13-112-33	13-122-33
					LR	●	D	13-112-43HK	13-122-43HK
					LL	●		13-112-33HK	13-122-33HK
1st Bicuspid (L4)	0°	0°	0°	2.6	LR	●	-	13-112-44	13-122-44
					LL	●		13-112-34	13-122-34
					LR	●	D	13-112-44HK	13-122-44HK
					LL	●		13-112-34HK	13-122-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.6	LR	●	-	13-112-45	13-122-45
					LL	●		13-112-35	13-122-35
					LR	●	D	13-112-45HK	13-122-45HK
					LL	●		13-112-35HK	13-122-35HK

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Copolla Brackets

Copolla series Roth* Mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT13-212-00	KIT13-222-00
U/L 5×5 Hook on 3	KIT13-212-00CHK	KIT13-222-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT13-212-00CBCHK	KIT13-222-00CBCHK

MAXILLARY

Roth* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3	UR		-	13-212-11	13-222-11
					UL			13-212-21	13-222-21
Lateral (U2)	+8°	+9°	0°	2.6	UR		-	13-212-12	13-222-12
					UL			13-212-22	13-222-22
Cuspid (U3)	-2°	+13°	0°	2.8	UR		-	13-212-13	13-222-13
					UL			13-212-23	13-222-23
					UR		D	13-212-13HK	13-222-13HK
					UL			13-212-23HK	13-222-23HK
Bicuspid (U4)	-7°	0°	0°	2.6	UR		-	13-212-14	13-222-14
					UL			13-212-24	13-222-24
					UR		M	13-212-14HK	13-222-14HK
					UL			13-212-24HK	13-222-24HK
Bicuspid (U5)	-7°	0°	0°	2.6	UR		-	13-212-15	13-222-15
					UL			13-212-25	13-222-25
					UR		M	13-212-15HK	13-222-15HK
					UL			13-212-25HK	13-222-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	0°	2.4	LR		-	13-212-41	13-222-41
					LL			13-212-31	13-222-31
Anteriors (L2)	-1°	0°	0°	2.4	LR		-	13-212-42	13-222-42
					LL			13-212-32	13-222-32
Cuspid (L3)	-11°	+7°	0°	2.8	LR		-	13-212-43	13-222-43
					LL			13-212-33	13-222-33
					LR		D	13-212-43HK	13-222-43HK
					LL			13-212-33HK	13-222-33HK
1st Bicuspid (L4)	-17°	0°	0°	2.6	LR		-	13-212-44	13-222-44
					LL			13-212-34	13-222-34
					LR		D	13-212-44HK	13-222-44HK
					LL			13-212-34HK	13-222-34HK
1st Bicuspid (L4)G/O	-17°	0°	0°	2.6	LR		-	13-212-44G	13-222-44G
					LL			13-212-34G	13-222-34G
					LR		D	13-212-44HKG	13-222-44HKG
					LL			13-212-34HKG	13-222-34HKG
2nd Bicuspid (L5)	-22°	0°	0°	2.6	LR		-	13-212-45	13-222-45
					LL			13-212-35	13-222-35
					LR		D	13-212-45HK	13-222-45HK
					LL			13-212-35HK	13-222-35HK
2nd Bicuspid (L5)G/O	-22°	0°	0°	2.6	LR		-	13-212-45G	13-222-45G
					LL			13-212-35G	13-222-35G
					LR		D	13-212-45HKG	13-222-45HKG
					LL			13-212-35HKG	13-222-35HKG

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Copolla series McBeTr* Mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT13-312-00	KIT13-322-00
U/L 5×5 Hook on 3	KIT13-312-00CHK	KIT13-322-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT13-312-00CBCHK	KIT13-322-00CBCHK

MAXILLARY — McBeTr* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR	●	-	13-312-11	13-322-11
					UL	●		13-312-21	13-322-21
Lateral (U2)	+10°	+8°	0°	2.8	UR	●	-	13-312-12	13-322-12
					UL	●		13-312-22	13-322-22
Cuspid (U3)	-7°	+8°	0°	3	UR	●	-	13-312-13	13-322-13
					UL	●		13-312-23	13-322-23
					UR	●	D	13-312-13HK	13-322-13HK
					UL	●		13-312-23HK	13-322-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR	●	-	13-312-14	13-322-14
					UL	●		13-312-24	13-322-24
					UR	●	M	13-312-14HK	13-322-14HK
					UL	●		13-312-24HK	13-322-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR	●	-	13-312-15	13-322-15
					UL	●		13-312-25	13-322-25
					UR	●	M	13-312-15HK	13-322-15HK
					UL	●		13-312-25HK	13-322-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	●	-	13-312-41	13-322-41
					LL	●		13-312-31	13-322-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	●	-	13-312-42	13-322-42
					LL	●		13-312-32	13-322-32
Cuspid (L3)	-6°	+3°	0°	3	LR	●	-	13-312-43	13-322-43
					LL	●		13-312-33	13-322-33
					LR	●	D	13-312-43HK	13-322-43HK
					LL	●		13-312-33HK	13-322-33HK
1st Bicuspid (L4)	-12°	0°	0°	2.8	LR	●	-	13-312-44	13-322-44
					LL	●		13-312-34	13-322-34
					LR	●	D	13-312-44HK	13-322-44HK
					LL	●		13-312-34HK	13-322-34HK
1st Bicuspid (L4)G/O	-12°	0°	0°	2.8	LR	●	-	13-312-44G	13-322-44G
					LL	●		13-312-34G	13-322-34G
					LR	●	D	13-312-44HKG	13-322-44HKG
					LL	●		13-312-34HKG	13-322-34HKG
2nd Bicuspid (L5)	-17°	0°	0°	2.8	LR	●	-	13-312-45	13-322-45
					LL	●		13-312-35	13-322-35
					LR	●	D	13-312-45HK	13-322-45HK
					LL	●		13-312-35HK	13-322-35HK
2nd Bicuspid (L5)G/O	-17°	0°	0°	2.8	LR	●	-	13-312-45G	13-322-45G
					LL	●		13-312-35G	13-322-35G
					LR	●	D	13-312-45HKG	13-322-45HKG
					LL	●		13-312-35HKG	13-322-35HKG

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BRACKET I.D. CHART

Copolla series Edgewise standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT13-111-00	KIT13-121-00
U/L 5×5 Hook on 3	KIT13-111-00CHK	KIT13-121-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT13-111-00CBCHK	KIT13-121-00CBCHK

MAXILLARY — Edgewise Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3.2	UR	●	-	13-111-11	13-121-11
					UL	●		13-111-21	13-121-21
Lateral (U2)	0°	0°	0°	2.8	UR	●	-	13-111-12	13-121-12
					UL	●		13-111-22	13-121-22
Cuspid (U3)	0°	0°	0°	2.8	UR	●	-	13-111-13	13-121-13
					UL	●		13-111-23	13-121-23
					UR	●	D	13-111-13HK	13-121-13HK
					UL	●		13-111-23HK	13-121-23HK
Bicuspid (U4)	0°	0°	0°	2.8	UR	●	-	13-111-14	13-121-14
					UL	●		13-111-24	13-121-24
					UR	●	M	13-111-14HK	13-121-14HK
					UL	●		13-111-24HK	13-121-24HK
Bicuspid (U5)	0°	0°	0°	2.8	UR	●	-	13-111-15	13-121-15
					UL	●		13-111-25	13-121-25
					UR	●	M	13-111-15HK	13-121-15HK
					UL	●		13-111-25HK	13-121-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.4	LR	●	-	13-111-41	13-121-41
					LL	●		13-111-31	13-121-31
Anteriors (L2)	0°	0°	0°	2.4	LR	●	-	13-111-42	13-121-42
					LL	●		13-111-32	13-121-32
Cuspid (L3)	0°	0°	0°	2.8	LR	●	-	13-111-43	13-121-43
					LL	●		13-111-33	13-121-33
					LR	●	D	13-111-43HK	13-121-43HK
					LL	●		13-111-33HK	13-121-33HK
1st Bicuspid (L4)	0°	0°	0°	2.8	LR	●	-	13-111-44	13-121-44
					LL	●		13-111-34	13-121-34
					LR	●	D	13-111-44HK	13-121-44HK
					LL	●		13-111-34HK	13-121-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.8	LR	●	-	13-111-45	13-121-45
					LL	●		13-111-35	13-121-35
					LR	●	D	13-111-45HK	13-121-45HK
					LL	●		13-111-35HK	13-121-35HK

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Copolla series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT13-211-00	KIT13-221-00
U/L 5×5 Hook on 3	KIT13-211-00CHK	KIT13-221-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT13-211-00CBCHK	KIT13-221-00CBCHK

MAXILLARY

Roth Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3	UR	●	-	13-211-11	13-221-11
					UL	●		13-211-21	13-221-21
Lateral (U2)	+8°	+9°	0°	2.6	UR	●	-	13-211-12	13-221-12
					UL	●		13-211-22	13-221-22
Cuspid (U3)	-2°	+13°	0°	2.8	UR	●	-	13-211-13	13-221-13
					UL	●		13-211-23	13-221-23
					UR	●	D	13-211-13HK	13-221-13HK
					UL	●		13-211-23HK	13-221-23HK
Bicuspid (U4)	-7°	0°	0°	2.6	UR	●	-	13-211-14	13-221-14
					UL	●		13-211-24	13-221-24
					UR	●	M	13-211-14HK	13-221-14HK
					UL	●		13-211-24HK	13-221-24HK
Bicuspid (U5)	-7°	0°	0°	2.6	UR	●	-	13-211-15	13-221-15
					UL	●		13-211-25	13-221-25
					UR	●	M	13-211-15HK	13-221-15HK
					UL	●		13-211-25HK	13-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	0°	2.4	LR	●	-	13-211-41	13-221-41
					LL	●		13-211-31	13-221-31
Anteriors (L2)	-1°	0°	0°	2.4	LR	●	-	13-211-42	13-221-42
					LL	●		13-211-32	13-221-32
Cuspid (L3)	-11°	+7°	0°	2.8	LR	●	-	13-211-43	13-221-43
					LL	●		13-211-33	13-221-33
					LR	●	D	13-211-43HK	13-221-43HK
					LL	●		13-211-33HK	13-221-33HK
1st Bicuspid (L4)	-17°	0°	0°	2.6	LR	●	-	13-211-44	13-221-44
					LL	●		13-211-34	13-221-34
					LR	●	D	13-211-44HK	13-221-44HK
					LL	●		13-211-34HK	13-221-34HK
1st Bicuspid (L4)G/O	-17°	0°	0°	2.6	LR	●	-	13-211-44G	13-221-44G
					LL	●		13-211-34G	13-221-34G
					LR	●	D	13-211-44HKG	13-221-44HKG
					LL	●		13-211-34HKG	13-221-34HKG
2nd Bicuspid (L5)	-22°	0°	0°	2.6	LR	●	-	13-211-45	13-221-45
					LL	●		13-211-35	13-221-35
					LR	●	D	13-211-45HK	13-221-45HK
					LL	●		13-211-35HK	13-221-35HK
2nd Bicuspid (L5)G/O	-22°	0°	0°	2.6	LR	●	-	13-211-45G	13-221-45G
					LL	●		13-211-35G	13-221-35G
					LR	●	D	13-211-45HKG	13-221-45HKG
					LL	●		13-211-35HKG	13-221-35HKG

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Copolla series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT13-311-00	KIT13-321-00
U/L 5×5 Hook on 3	KIT13-311-00CHK	KIT13-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT13-311-00CBCHK	KIT13-321-00CBCHK

MAXILLARY

McBeTr* Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR	●	-	13-311-11	13-321-11
					UL	●		13-311-21	13-321-21
Lateral (U2)	+10°	+8°	0°	2.8	UR	●	-	13-311-12	13-321-12
					UL	●		13-311-22	13-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR	●	-	13-311-13	13-321-13
					UL	●		13-311-23	13-321-23
					UR	●	D	13-311-13HK	13-321-13HK
					UL	●		13-311-23HK	13-321-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR	●	-	13-311-14	13-321-14
					UL	●		13-311-24	13-321-24
					UR	●	M	13-311-14HK	13-321-14HK
					UL	●		13-311-24HK	13-321-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR	●	-	13-311-15	13-321-15
					UL	●		13-311-25	13-321-25
					UR	●	M	13-311-15HK	13-321-15HK
					UL	●		13-311-25HK	13-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	●	-	13-311-41	13-321-41
					LL	●		13-311-31	13-321-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	●	-	13-311-42	13-321-42
					LL	●		13-311-32	13-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR	●	-	13-311-43	13-321-43
					LL	●		13-311-33	13-321-33
					LR	●	D	13-311-43HK	13-321-43HK
					LL	●		13-311-33HK	13-321-33HK
1st Bicuspid (L4)	-12°	0°	0°	2.8	LR	●	-	13-311-44	13-321-44
					LL	●		13-311-34	13-321-34
					LR	●	D	13-311-44HK	13-321-44HK
					LL	●		13-311-34HK	13-321-34HK
1st Bicuspid (L4)G/O	-12°	0°	0°	2.8	LR	●	-	13-311-44G	13-321-44G
					LL	●		13-311-34G	13-321-34G
					LR	●	D	13-311-44HKG	13-321-44HKG
					LL	●		13-311-34HKG	13-321-34HKG
2nd Bicuspid (L5)	-17°	0°	0°	2.8	LR	●	-	13-311-45	13-321-45
					LL	●		13-311-35	13-321-35
					LR	●	D	13-311-45HK	13-321-45HK
					LL	●		13-311-35HK	13-321-35HK
2nd Bicuspid (L5)G/O	-17°	0°	0°	2.8	LR	●	-	13-311-45G	13-321-45G
					LL	●		13-311-35G	13-321-35G
					LR	●	D	13-311-45HKG	13-321-45HKG
					LL	●		13-311-35HKG	13-321-35HKG

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MIN-ARCH OPHRO - Foil Mesh bracket- 80 Gauge

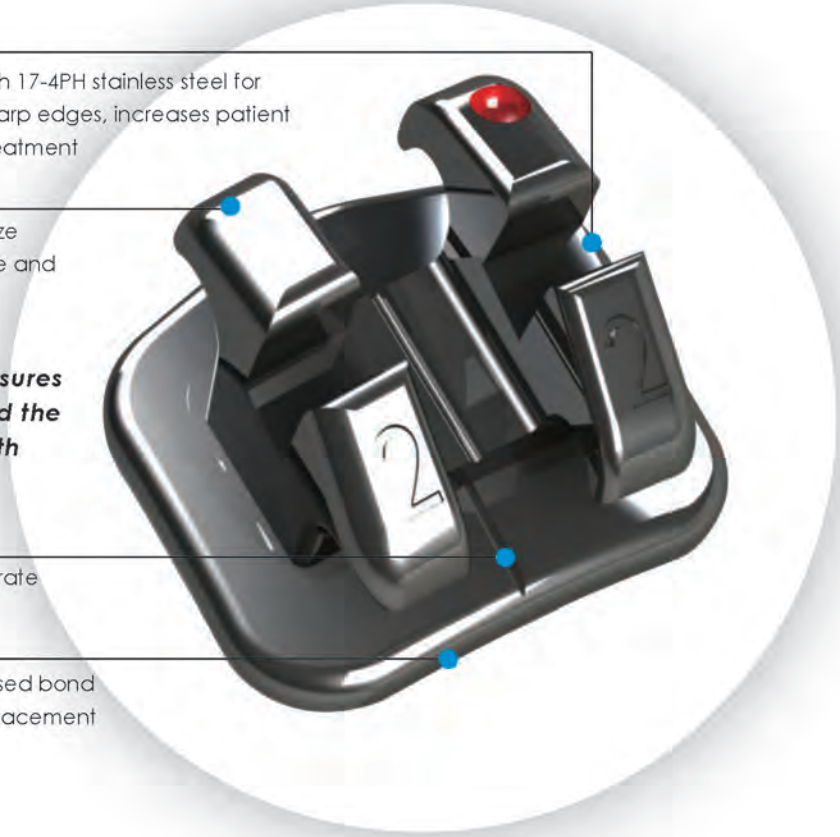
Metal Injection Molding (MIM) with 17-4PH stainless steel for easier wire insertion, eliminates sharp edges, increases patient comfort, and improves overall treatment

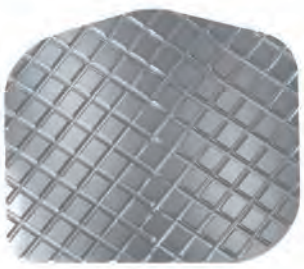
Round facial contours and mini-size make the brackets less noticeable and enhance patient comfort

Computer Aided Design ensures the brackets design around the idea and bringing them both closer to the teeth

Center Scribe Line for more accurate bracket placement

Bidirectional Arch Base for increased bond strength and accurate bracket placement





An 80 gauge mesh forming a superior surface area of interlocking retention

Low profile adds to the bracket's aesthetics and comfort while expressing precise programming for effective mechanics

BRACKET I.D. CHART

Mini-Arch Ophro series McBeTr* bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-312-00N	KIT12-322-00N
U/L 5×5 Hook on 3	KIT12-312-00CHKN	KIT12-322-00CHKN
U/L 5×5 Hook on 3、4 & 5	KIT12-312-00CBCHKN	KIT12-322-00CBCHKN

MAXILLARY

McBeTr*

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR	yellow	-	12-312-11N	12-322-11N
					UL	red		12-312-21N	12-322-21N
Lateral (U2)	+10°	+8°	0°	2.65	UR	yellow	-	12-312-12N	12-322-12N
					UL	red		12-312-22N	12-322-22N
Cuspid (U3)	-7°	+8°	0°	2.8	UR	yellow	-	12-312-13N	12-322-13N
					UL	red		12-312-23N	12-322-23N
					UR	yellow	D	12-312-13HKN	12-322-13HKN
					UL	red		12-312-23HKN	12-322-23HKN
Bicuspid (U4)	-7°	0°	0°	3	UR	yellow	-	12-312-14N	12-322-14N
					UL	red		12-312-24N	12-322-24N
					UR	yellow	M	12-312-14HKN	12-322-14HKN
					UL	red		12-312-24HKN	12-322-24HKN
Bicuspid (U5)	-7°	0°	0°	3	UR	yellow	-	12-312-15N	12-322-15N
					UL	red		12-312-25N	12-322-25N
					UR	yellow	M	12-312-15HKN	12-322-15HKN
					UL	red		12-312-25HKN	12-322-25HKN

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.35	LR	green	-	12-312-41N	12-322-41N
					LL	black		12-312-31N	12-322-31N
Anteriors (L2)	-6°	0°	0°	2.35	LR	green	-	12-312-42N	12-322-42N
					LL	black		12-312-32N	12-322-32N
Cuspid (L3)	-6°	3°	0°	3	LR	green	-	12-312-43N	12-322-43N
					LL	black		12-312-33N	12-322-33N
					LR	green	D	12-312-43HKN	12-322-43HKN
					LL	black		12-312-33HKN	12-322-33HKN
1st Bicuspid (L4)	-12°	2°	0°	3	LR	green	-	12-312-44N	12-322-44N
					LL	black		12-312-34N	12-322-34N
					LR	green	D	12-312-44HKN	12-322-44HKN
					LL	black		12-312-34HKN	12-322-34HKN
2nd Bicuspid (L5)	-17°	2°	0°	3	LR	green	-	12-312-45N	12-322-45N
					LL	black		12-312-35N	12-322-35N
					LR	green	D	12-312-45HKN	12-322-45HKN
					LL	black		12-312-35HKN	12-322-35HKN

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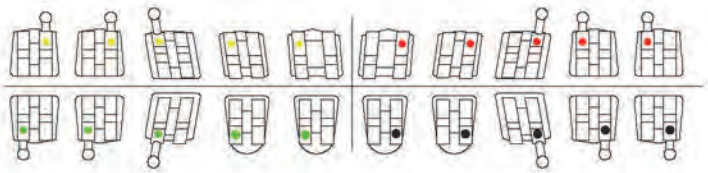
BRACKET I.D. CHART



Mini-Arch Ophro series Roth* bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-212-00N	KIT12-222-00N
U/L 5×5 Hook on 3	KIT12-212-00CHKN	KIT12-222-00CHKN
U/L 5×5 Hook on 3, 4 & 5	KIT12-212-00CBCHKN	KIT12-222-00CBCHKN

MAXILLARY

Roth*

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.4	UR		-	12-212-11N	12-222-11N
					UL			12-212-21N	12-222-21N
Lateral (U2)	+8°	+9°	0°	2.65	UR		-	12-212-12N	12-222-12N
					UL			12-212-22N	12-222-22N
Cuspid (U3)	-2°	+10°	4°	2.85	UR		-	12-212-13N	12-222-13N
					UL			12-212-23N	12-222-23N
					UR		D	12-212-13HKN	12-222-13HKN
					UL			12-212-23HKN	12-222-23HKN
Bicuspid (U4)	-7°	0°	2°	2.95	UR		-	12-212-14N	12-222-14N
					UL			12-212-24N	12-222-24N
					UR		M	12-212-14HKN	12-222-14HKN
					UL			12-212-24HKN	12-222-24HKN
Bicuspid (U5)	-7°	0°	2°	2.95	UR		-	12-212-15N	12-222-15N
					UL			12-212-25N	12-222-25N
					UR		M	12-212-15HKN	12-222-15HKN
					UL			12-212-25HKN	12-222-25HKN

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	0°	2.35	LR		-	12-212-41N	12-222-41N
					LL			12-212-31N	12-222-31N
Anteriors (L2)	-11°	0°	2°	2.35	LR		-	12-212-42N	12-222-42N
					LL			12-212-32N	12-222-32N
Cuspid (L3)	-11°	7°	2°	2.9	LR		-	12-212-43N	12-222-43N
					LL			12-212-33N	12-222-33N
					LR		D	12-212-43HKN	12-222-43HKN
					LL			12-212-33HKN	12-222-33HKN
1st Bicuspid (L4)	-17°	0°	4°	3	LR		-	12-212-44N	12-222-44N
					LL			12-212-34N	12-222-34N
					LR		D	12-212-44HKN	12-222-44HKN
					LL			12-212-34HKN	12-222-34HKN
2nd Bicuspid (L5)	-22°	0°	4°	3	LR		-	12-212-45N	12-222-45N
					LL			12-212-35N	12-222-35N
					LR		D	12-212-45HKN	12-222-45HKN
					LL			12-212-35HKN	12-222-35HKN

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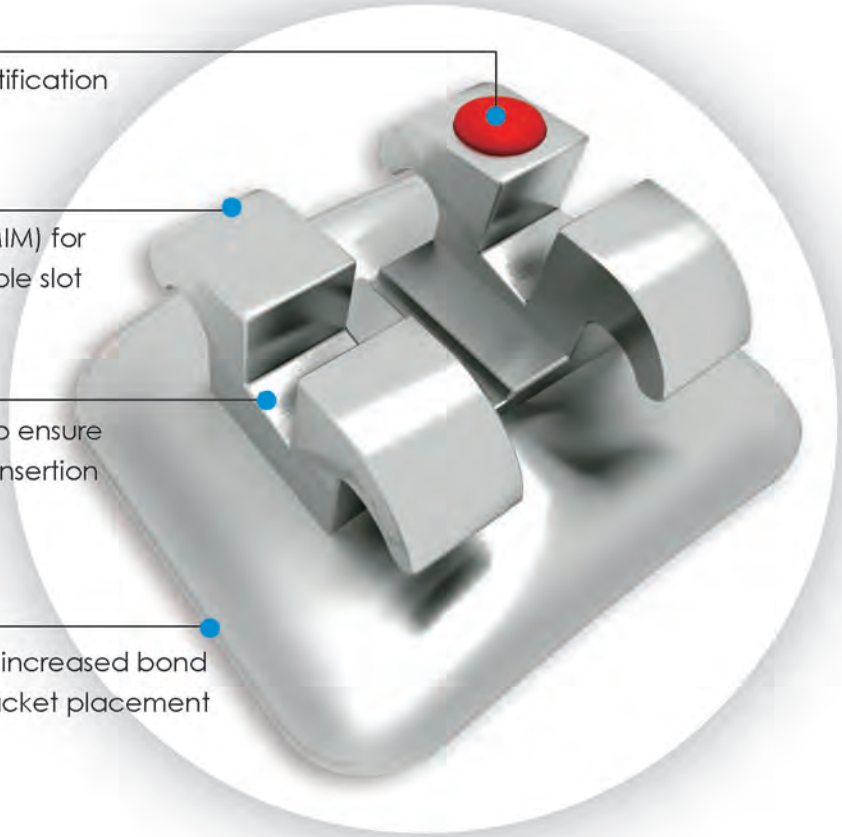
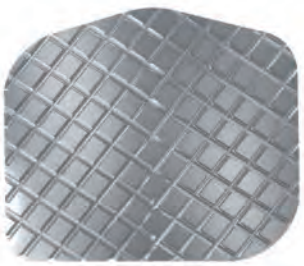
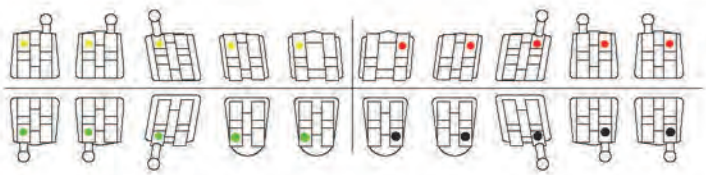
CLASSIC OPHRO - Foil Mesh bracket- 80 Gauge





An 80 gauge mesh forming a superior surface area of interlocking retention

BRACKET I.D. CHART



Ophro series Edgewise standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-111-00	KIT12-121-00
U/L 5×5 Hook on 3	KIT12-111-00CHK	KIT12-121-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT12-111-00CBCHK	KIT12-121-00CBCHK

MAXILLARY — Edgewise Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3.2	UR	●	-	12-111-11	12-121-11
					UL	●		12-111-21	12-121-21
Lateral (U2)	0°	0°	0°	2.8	UR	●	-	12-111-12	12-121-12
					UL	●		12-111-22	12-121-22
Cuspid (U3)	0°	0°	0°	2.8	UR	●	-	12-111-13	12-121-13
					UL	●		12-111-23	12-121-23
					UR	●	D	12-111-13HK	12-121-13HK
					UL	●		12-111-23HK	12-121-23HK
Bicuspid (U4)	0°	0°	0°	2.8	UR	●	-	12-111-14	12-121-14
					UL	●		12-111-24	12-121-24
					UR	●	M	12-111-14HK	12-121-14HK
					UL	●		12-111-24HK	12-121-24HK
Bicuspid (U5)	0°	0°	0°	2.8	UR	●	-	12-111-15	12-121-15
					UL	●		12-111-25	12-121-25
					UR	●	M	12-111-15HK	12-121-15HK
					UL	●		12-111-25HK	12-121-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.4	LR	●	-	12-111-41	12-121-41
					LL	●		12-111-31	12-121-31
Anteriors (L2)	0°	0°	0°	2.4	LR	●	-	12-111-42	12-121-42
					LL	●		12-111-32	12-121-32
Cuspid (L3)	0°	0°	0°	2.8	LR	●	-	12-111-43	12-121-43
					LL	●		12-111-33	12-121-33
					LR	●	D	12-111-43HK	12-121-43HK
					LL	●		12-111-33HK	12-121-33HK
1st Bicuspid (L4)	0°	0°	0°	2.8	LR	●	-	12-111-44	12-121-44
					LL	●		12-111-34	12-121-34
					LR	●	D	12-111-44HK	12-121-44HK
					LL	●		12-111-34HK	12-121-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.8	LR	●	-	12-111-45	12-121-45
					LL	●		12-111-35	12-121-35
					LR	●	D	12-111-45HK	12-121-45HK
					LL	●		12-111-35HK	12-121-35HK

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BRACKET I.D. CHART

Ophro series Edgewise mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-112-00	KIT12-122-00
U/L 5×5 Hook on 3	KIT12-112-00CHK	KIT12-122-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT12-112-00CBCHK	KIT12-122-00CBCHK

MAXILLARY

Edgewise Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3	UR	●	-	12-112-11	12-122-11
					UL	●		12-112-21	12-122-21
Lateral (U2)	0°	0°	0°	3	UR	●	-	12-112-12	12-122-12
					UL	●		12-112-22	12-122-22
Cuspid (U3)	0°	0°	0°	2.6	UR	●	-	12-112-13	12-122-13
					UL	●		12-112-23	12-122-23
					UR	●	D	12-112-13HK	12-122-13HK
					UL	●		12-112-23HK	12-122-23HK
Bicuspid (U4)	0°	0°	0°	2.6	UR	●	-	12-112-14	12-122-14
					UL	●		12-112-24	12-122-24
					UR	●	M	12-112-14HK	12-122-14HK
					UL	●		12-112-24HK	12-122-24HK
Bicuspid (U5)	0°	0°	0°	2.6	UR	●	-	12-112-15	12-122-15
					UL	●		12-112-25	12-122-25
					UR	●	M	12-112-15HK	12-122-15HK
					UL	●		12-112-25HK	12-122-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.4	LR	●	-	12-112-41	12-122-41
					LL	●		12-112-31	12-122-31
Anteriors (L2)	0°	0°	0°	2.4	LR	●	-	12-112-42	12-122-42
					LL	●		12-112-32	12-122-32
Cuspid (L3)	0°	0°	0°	2.6	LR	●	-	12-112-43	12-122-43
					LL	●		12-112-33	12-122-33
					LR	●	D	12-112-43HK	12-122-43HK
					LL	●		12-112-33HK	12-122-33HK
1st Bicuspid (L4)	0°	0°	0°	2.6	LR	●	-	12-112-44	12-122-44
					LL	●		12-112-34	12-122-34
					LR	●	D	12-112-44HK	12-122-44HK
					LL	●		12-112-34HK	12-122-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.6	LR	●	-	12-112-45	12-122-45
					LL	●		12-112-35	12-122-35
					LR	●	D	12-112-45HK	12-122-45HK
					LL	●		12-112-35HK	12-122-35HK

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Ophro series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-211-00	KIT12-221-00
U/L 5×5 Hook on 3	KIT12-211-00CHK	KIT12-221-00CHK
U/L 5×5 Hook on 3, 4 & 5	KIT12-211-00CBCHK	KIT12-221-00CBCHK

MAXILLARY — Roth Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.3	UR		-	12-211-11	12-221-11
					UL			12-211-21	12-221-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	12-211-12	12-221-12
					UL			12-211-22	12-221-22
Cuspid (U3)	-2°	+13°	0°	3	UR		-	12-211-13	12-221-13
					UL			12-211-23	12-221-23
					UR		D	12-211-13HK	12-221-13HK
					UL			12-211-23HK	12-221-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	12-211-14	12-221-14
					UL			12-211-24	12-221-24
					UR		M	12-211-14HK	12-221-14HK
					UL			12-211-24HK	12-221-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	12-211-15	12-221-15
					UL			12-211-25	12-221-25
					UR		M	12-211-15HK	12-221-15HK
					UL			12-211-25HK	12-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.4	LR		-	12-211-41	12-221-41
					LL			12-211-31	12-221-31
Anteriors (L2)	-1°	+2°	0°	2.4	LR		-	12-211-42	12-221-42
					LL			12-211-32	12-221-32
Cuspid (L3)	-11°	+7°	0°	3	LR		-	12-211-43	12-221-43
					LL			12-211-33	12-221-33
					LR		D	12-211-43HK	12-221-43HK
					LL			12-211-33HK	12-221-33HK
1st Bicuspid (L4)	-17°	-1°	0°	2.8	LR		-	12-211-44	12-221-44
					LL			12-211-34	12-221-34
					LR		D	12-211-44HK	12-221-44HK
					LL			12-211-34HK	12-221-34HK
1st Bicuspid (L4)G/O	-17°	-1°	0°	2.8	LR		-	12-211-44G	12-221-44G
					LL			12-211-34G	12-221-34G
					LR		D	12-211-44HKG	12-221-44HKG
					LL			12-211-34HKG	12-221-34HKG
2nd Bicuspid (L5)	-22°	-1°	0°	2.8	LR		-	12-211-45	12-221-45
					LL			12-211-35	12-221-35
					LR		D	12-211-45HK	12-221-45HK
					LL			12-211-35HK	12-221-35HK
2nd Bicuspid (L5)G/O	-22°	-1°	0°	2.8	LR		-	12-211-45G	12-221-45G
					LL			12-211-35G	12-221-35G
					LR		D	12-211-45HKG	12-221-45HKG
					LL			12-211-35HKG	12-221-35HKG

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Ophro series Roth* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-212-00	KIT12-222-00
U/L 5×5 Hook on 3	KIT12-212-00CHK	KIT12-222-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT12-212-00CBCHK	KIT12-222-00CBCHK

MAXILLARY

Roth* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.3	UR	●	-	12-212-11	12-222-11
					UL	●		12-212-21	12-222-21
Lateral (U2)	+8°	+9°	0°	2.8	UR	●	-	12-212-12	12-222-12
					UL	●		12-212-22	12-222-22
Cuspid (U3)	-2°	+13°	0°	3	UR	●	-	12-212-13	12-222-13
					UL	●		12-212-23	12-222-23
					UR	●	D	12-212-13HK	12-222-13HK
					UL	●		12-212-23HK	12-222-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR	●	-	12-212-14	12-222-14
					UL	●		12-212-24	12-222-24
					UR	●	M	12-212-14HK	12-222-14HK
					UL	●		12-212-24HK	12-222-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR	●	-	12-212-15	12-222-15
					UL	●		12-212-25	12-222-25
					UR	●	M	12-212-15HK	12-222-15HK
					UL	●		12-212-25HK	12-222-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.4	LR	●	-	12-212-41	12-222-41
					LL	●		12-212-31	12-222-31
Anteriors (L2)	-1°	+2°	0°	2.4	LR	●	-	12-212-42	12-222-42
					LL	●		12-212-32	12-222-32
Cuspid (L3)	-11°	+7°	0°	3	LR	●	-	12-212-43	12-222-43
					LL	●		12-212-33	12-222-33
					LR	●	D	12-212-43HK	12-222-43HK
					LL	●		12-212-33HK	12-222-33HK
1st Bicuspid (L4)	-17°	-1°	0°	2.8	LR	●	-	12-212-44	12-222-44
					LL	●		12-212-34	12-222-34
					LR	●	D	12-212-44HK	12-222-44HK
					LL	●		12-212-34HK	12-222-34HK
1st Bicuspid (L4)G/O	-17°	-1°	0°	2.8	LR	●	-	12-212-44G	12-222-44G
					LL	●		12-212-34G	12-222-34G
					LR	●	D	12-212-44HKG	12-222-44HKG
					LL	●		12-212-34HKG	12-222-34HKG
2nd Bicuspid (L5)	-22°	-1°	0°	2.8	LR	●	-	12-212-45	12-222-45
					LL	●		12-212-35	12-222-35
					LR	●	D	12-212-45HK	12-222-45HK
					LL	●		12-212-35HK	12-222-35HK
2nd Bicuspid (L5)G/O	-22°	-1°	0°	2.8	LR	●	-	12-212-45G	12-222-45G
					LL	●		12-212-35G	12-222-35G
					LR	●	D	12-212-45HKG	12-222-45HKG
					LL	●		12-212-35HKG	12-222-35HKG

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Ophro series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-311-00	KIT12-321-00
U/L 5×5 Hook on 3	KIT12-311-00CHK	KIT12-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT12-311-00CBCHK	KIT12-321-00CBCHK

MAXILLARY — McBeTr* Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR	●	-	12-311-11	12-321-11
					UL	●		12-311-21	12-321-21
Lateral (U2)	+10°	+8°	0°	3	UR	●	-	12-311-12	12-321-12
					UL	●		12-311-22	12-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR	●	-	12-311-13	12-321-13
					UL	●		12-311-23	12-321-23
					UR	●	D	12-311-13HK	12-321-13HK
					UL	●		12-311-23HK	12-321-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR	●	-	12-311-14	12-321-14
					UL	●		12-311-24	12-321-24
					UR	●	M	12-311-14HK	12-321-14HK
					UL	●		12-311-24HK	12-321-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR	●	-	12-311-15	12-321-15
					UL	●		12-311-25	12-321-25
					UR	●	M	12-311-15HK	12-321-15HK
					UL	●		12-311-25HK	12-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	●	-	12-311-41	12-321-41
					LL	●		12-311-31	12-321-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	●	-	12-311-42	12-321-42
					LL	●		12-311-32	12-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR	●	-	12-311-43	12-321-43
					LL	●		12-311-33	12-321-33
					LR	●	D	12-311-43HK	12-321-43HK
					LL	●		12-311-33HK	12-321-33HK
1st Bicuspid (L4)	-12°	0°	0°	3	LR	●	-	12-311-44	12-321-44
					LL	●		12-311-34	12-321-34
					LR	●	D	12-311-44HK	12-321-44HK
					LL	●		12-311-34HK	12-321-34HK
1st Bicuspid (L4)G/O	-12°	0°	0°	3	LR	●	-	12-311-44G	12-321-44G
					LL	●		12-311-34G	12-321-34G
					LR	●	D	12-311-44HKG	12-321-44HKG
					LL	●		12-311-34HKG	12-321-34HKG
2nd Bicuspid (L5)	-17°	0°	0°	3	LR	●	-	12-311-45	12-321-45
					LL	●		12-311-35	12-321-35
					LR	●	D	12-311-45HK	12-321-45HK
					LL	●		12-311-35HK	12-321-35HK
2nd Bicuspid (L5)G/O	-17°	0°	0°	3	LR	●	-	12-311-45G	12-321-45G
					LL	●		12-311-35G	12-321-35G
					LR	●	D	12-311-45HKG	12-321-45HKG
					LL	●		12-311-35HKG	12-321-35HKG

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Classic Ophro Brackets

Ophro series McBeTr* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT12-312-00	KIT12-322-00
U/L 5×5 Hook on 3	KIT12-312-00CHK	KIT12-322-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT12-312-00CBCHK	KIT12-322-00CBCHK

McBeTr* Mini

MAXILLARY

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3	UR	●	-	12-312-11	12-322-11
					UL	●		12-312-21	12-322-21
Lateral (U2)	+10°	+8°	0°	2.6	UR	●	-	12-312-12	12-322-12
					UL	●		12-312-22	12-322-22
Cuspid (U3)	-7°	+8°	0°	2.8	UR	●	-	12-312-13	12-322-13
					UL	●		12-312-23	12-322-23
					UR	●	D	12-312-13HK	12-322-13HK
					UL	●		12-312-23HK	12-322-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR	●	-	12-312-14	12-322-14
					UL	●		12-312-24	12-322-24
					UR	●	M	12-312-14HK	12-322-14HK
					UL	●		12-312-24HK	12-322-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR	●	-	12-312-15	12-322-15
					UL	●		12-312-25	12-322-25
					UR	●	M	12-312-15HK	12-322-15HK
					UL	●		12-312-25HK	12-322-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	●	-	12-312-41	12-322-41
					LL	●		12-312-31	12-322-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	●	-	12-312-42	12-322-42
					LL	●		12-312-32	12-322-32
Cuspid (L3)	-6°	+3°	0°	2.8	LR	●	-	12-312-43	12-322-43
					LL	●		12-312-33	12-322-33
					LR	●	D	12-312-43HK	12-322-43HK
					LL	●		12-312-33HK	12-322-33HK
1st Bicuspid (L4)	-12°	0°	0°	2.8	LR	●	-	12-312-44	12-322-44
					LL	●		12-312-34	12-322-34
					LR	●	D	12-312-44HK	12-322-44HK
					LL	●		12-312-34HK	12-322-34HK
1st Bicuspid (L4)G/O	-12°	0°	0°	2.8	LR	●	-	12-312-44G	12-322-44G
					LL	●		12-312-34G	12-322-34G
					LR	●	D	12-312-44HKG	12-322-44HKG
					LL	●		12-312-34HKG	12-322-34HKG
2nd Bicuspid (L5)	-17°	0°	0°	2.8	LR	●	-	12-312-45	12-322-45
					LL	●		12-312-35	12-322-35
					LR	●	D	12-312-45HK	12-322-45HK
					LL	●		12-312-35HK	12-322-35HK
2nd Bicuspid (L5)G/O	-17°	0°	0°	2.8	LR	●	-	12-312-45G	12-322-45G
					LL	●		12-312-35G	12-322-35G
					LR	●	D	12-312-45HKG	12-322-45HKG
					LL	●		12-312-35HKG	12-322-35HKG

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HELIO

- Foil Mesh bracket- 80 Gauge

- Metal Injection Molding (MIM) for smooth and non-deformable slot
- A 80 gauge mesh

BRACKET I.D. CHART

Helio series Edgewise standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT14-111-00	KIT14-121-00
U/L 5×5 Hook on 3	KIT14-111-00CHK	KIT14-121-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT14-111-00CBCHK	KIT14-121-00CBCHK

MAXILLARY

Edgewise Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3.2	UR	●	-	14-111-11	14-121-11
					UL	●		14-111-21	14-121-21
Lateral (U2)	0°	0°	0°	2.8	UR	●	-	14-111-12	14-121-12
					UL	●		14-111-22	14-121-22
Cuspid (U3)	0°	0°	0°	2.8	UR	●	-	14-111-13	14-121-13
					UL	●		14-111-23	14-121-23
					UR	●	D	14-111-13HK	14-121-13HK
					UL	●		14-111-23HK	14-121-23HK
Bicuspid (U4)	0°	0°	0°	2.8	UR	●	-	14-111-14	14-121-14
					UL	●		14-111-24	14-121-24
					UR	●	M	14-111-14HK	14-121-14HK
					UL	●		14-111-24HK	14-121-24HK
Bicuspid (U5)	0°	0°	0°	2.8	UR	●	-	14-111-15	14-121-15
					UL	●		14-111-25	14-121-25
					UR	●	M	14-111-15HK	14-121-15HK
					UL	●		14-111-25HK	14-121-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.4	LR	●	-	14-111-41	14-121-41
					LL	●		14-111-31	14-121-31
Anteriors (L2)	0°	0°	0°	2.4	LR	●	-	14-111-42	14-121-42
					LL	●		14-111-32	14-121-32
Cuspid (L3)	0°	0°	0°	2.8	LR	●	-	14-111-43	14-121-43
					LL	●		14-111-33	14-121-33
					LR	●	D	14-111-43HK	14-121-43HK
					LL	●		14-111-33HK	14-121-33HK
1st Bicuspid (L4)	0°	0°	0°	2.8	LR	●	-	14-111-44	14-121-44
					LL	●		14-111-34	14-121-34
					LR	●	D	14-111-44HK	14-121-44HK
					LL	●		14-111-34HK	14-121-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.8	LR	●	-	14-111-45	14-121-45
					LL	●		14-111-35	14-121-35
					LR	●	D	14-111-45HK	14-121-45HK
					LL	●		14-111-35HK	14-121-35HK

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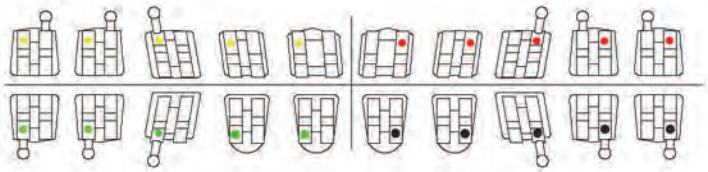
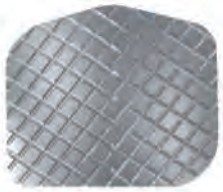
BRACKET I.D. CHART



An 80 gauge mesh forming a superior surface area of interlocking retention



Helio series Edgewise mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT14-112-00	KIT14-122-00
U/L 5×5 Hook on 3	KIT14-112-00CHK	KIT14-122-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT14-112-00CBCHK	KIT14-122-00CBCHK

MAXILLARY — Edgewise Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3	UR	yellow	-	14-112-11	14-122-11
					UL	red		14-112-21	14-122-21
Lateral (U2)	0°	0°	0°	3	UR	yellow	-	14-112-12	14-122-12
					UL	red		14-112-22	14-122-22
Cuspid (U3)	0°	0°	0°	2.6	UR	yellow	-	14-112-13	14-122-13
					UL	red		14-112-23	14-122-23
					UR	yellow	D	14-112-13HK	14-122-13HK
					UL	red		14-112-23HK	14-122-23HK
Bicuspid (U4)	0°	0°	0°	2.6	UR	yellow	-	14-112-14	14-122-14
					UL	red		14-112-24	14-122-24
					UR	yellow	M	14-112-14HK	14-122-14HK
					UL	red		14-112-24HK	14-122-24HK
Bicuspid (U5)	0°	0°	0°	2.6	UR	yellow	-	14-112-15	14-122-15
					UL	red		14-112-25	14-122-25
					UR	yellow	M	14-112-15HK	14-122-15HK
					UL	red		14-112-25HK	14-122-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.4	LR	green	-	14-112-41	14-122-41
					LL	black		14-112-31	14-122-31
Anteriors (L2)	0°	0°	0°	2.4	LR	green	-	14-112-42	14-122-42
					LL	black		14-112-32	14-122-32
Cuspid (L3)	0°	0°	0°	2.6	LR	green	-	14-112-43	14-122-43
					LL	black		14-112-33	14-122-33
					LR	green	D	14-112-43HK	14-122-43HK
					LL	black		14-112-33HK	14-122-33HK
1st Bicuspid (L4)	0°	0°	0°	2.6	LR	green	-	14-112-44	14-122-44
					LL	black		14-112-34	14-122-34
					LR	green	D	14-112-44HK	14-122-44HK
					LL	black		14-112-34HK	14-122-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.6	LR	green	-	14-112-45	14-122-45
					LL	black		14-112-35	14-122-35
					LR	green	D	14-112-45HK	14-122-45HK
					LL	black		14-112-35HK	14-122-35HK

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Helio series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT14-211-00	KIT14-221-00
U/L 5×5 Hook on 3	KIT14-211-00CHK	KIT14-221-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT14-211-00CBCHK	KIT14-221-00CBCHK

MAXILLARY

Roth Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.3	UR		-	14-211-11	14-221-11
					UL			14-211-21	14-221-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	14-211-12	14-221-12
					UL			14-211-22	14-221-22
Cuspid (U3)	-2°	+13°	0°	3	UR		-	14-211-13	14-221-13
					UL			14-211-23	14-221-23
					UR		D	14-211-13HK	14-221-13HK
					UL			14-211-23HK	14-221-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	14-211-14	14-221-14
					UL			14-211-24	14-221-24
					UR		M	14-211-14HK	14-221-14HK
					UL			14-211-24HK	14-221-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	14-211-15	14-221-15
					UL			14-211-25	14-221-25
					UR		M	14-211-15HK	14-221-15HK
					UL			14-211-25HK	14-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.4	LR		-	14-211-41	14-221-41
					LL			14-211-31	14-221-31
Anteriors (L2)	-1°	+2°	0°	2.4	LR		-	14-211-42	14-221-42
					LL			14-211-32	14-221-32
Cuspid (L3)	-11°	+7°	0°	3	LR		-	14-211-43	14-221-43
					LL			14-211-33	14-221-33
					LR		D	14-211-43HK	14-221-43HK
					LL			14-211-33HK	14-221-33HK
1st Bicuspid (L4)	-17°	-1°	0°	2.8	LR		-	14-211-44	14-221-44
					LL			14-211-34	14-221-34
					LR		D	14-211-44HK	14-221-44HK
					LL			14-211-34HK	14-221-34HK
1st Bicuspid (L4)G/O	-17°	-1°	0°	2.8	LR		-	14-211-44G	14-221-44G
					LL			14-211-34G	14-221-34G
					LR		D	14-211-44HKG	14-221-44HKG
					LL			14-211-34HKG	14-221-34HKG
2nd Bicuspid (L5)	-22°	-1°	0°	2.8	LR		-	14-211-45	14-221-45
					LL			14-211-35	14-221-35
					LR		D	14-211-45HK	14-221-45HK
					LL			14-211-35HK	14-221-35HK
2nd Bicuspid (L5)G/O	-22°	-1°	0°	2.8	LR		-	14-211-45G	14-221-45G
					LL			14-211-35G	14-221-35G
					LR		D	14-211-45HKG	14-221-45HKG
					LL			14-211-35HKG	14-221-35HKG

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Helio series Roth* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT14-212-00	KIT14-222-00
U/L 5×5 Hook on 3	KIT14-212-00CHK	KIT14-222-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT14-212-00CBCHK	KIT14-222-00CBCHK

MAXILLARY

Roth* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.3	UR		-	14-212-11	14-222-11
					UL			14-212-21	14-222-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	14-212-12	14-222-12
					UL			14-212-22	14-222-22
Cuspid (U3)	-2°	+13°	0°	3	UR		-	14-212-13	14-222-13
					UL			14-212-23	14-222-23
					UR		D	14-212-13HK	14-222-13HK
					UL			14-212-23HK	14-222-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	14-212-14	14-222-14
					UL			14-212-24	14-222-24
					UR		M	14-212-14HK	14-222-14HK
					UL			14-212-24HK	14-222-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	14-212-15	14-222-15
					UL			14-212-25	14-222-25
					UR		M	14-212-15HK	14-222-15HK
					UL			14-212-25HK	14-222-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.4	LR		-	14-212-41	14-222-41
					LL			14-212-31	14-222-31
Anteriors (L2)	-1°	+2°	0°	2.4	LR		-	14-212-42	14-222-42
					LL			14-212-32	14-222-32
Cuspid (L3)	-11°	+7°	0°	3	LR		-	14-212-43	14-222-43
					LL			14-212-33	14-222-33
					LR		D	14-212-43HK	14-222-43HK
					LL			14-212-33HK	14-222-33HK
1st Bicuspid (L4)	-17°	-1°	0°	2.8	LR		-	14-212-44	14-222-44
					LL			14-212-34	14-222-34
					LR		D	14-212-44HK	14-222-44HK
					LL			14-212-34HK	14-222-34HK
1st Bicuspid (L4)G/O	-17°	-1°	0°	2.8	LR		-	14-212-44G	14-222-44G
					LL			14-212-34G	14-222-34G
					LR		D	14-212-44HKG	14-222-44HKG
					LL			14-212-34HKG	14-222-34HKG
2nd Bicuspid (L5)	-22°	-1°	0°	2.8	LR		-	14-212-45	14-222-45
					LL			14-212-35	14-222-35
					LR		D	14-212-45HK	14-222-45HK
					LL			14-212-35HK	14-222-35HK
2nd Bicuspid (L5)G/O	-22°	-1°	0°	2.8	LR		-	14-212-45G	14-222-45G
					LL			14-212-35G	14-222-35G
					LR		D	14-212-45HKG	14-222-45HKG
					LL			14-212-35HKG	14-222-35HKG

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Helio series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT14-311-00	KIT14-321-00
U/L 5×5 Hook on 3	KIT14-311-00CHK	KIT14-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT14-311-00CBCHK	KIT14-321-00CBCHK

MAXILLARY — McBeTr* Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR		-	14-311-11	14-321-11
					UL			14-311-21	14-321-21
Lateral (U2)	+10°	+8°	0°	3	UR		-	14-311-12	14-321-12
					UL			14-311-22	14-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR		-	14-311-13	14-321-13
					UL			14-311-23	14-321-23
					UR		D	14-311-13HK	14-321-13HK
					UL			14-311-23HK	14-321-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR		-	14-311-14	14-321-14
					UL			14-311-24	14-321-24
					UR		M	14-311-14HK	14-321-14HK
					UL			14-311-24HK	14-321-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR		-	14-311-15	14-321-15
					UL			14-311-25	14-321-25
					UR		M	14-311-15HK	14-321-15HK
					UL			14-311-25HK	14-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR		-	14-311-41	14-321-41
					LL			14-311-31	14-321-31
Anteriors (L2)	-6°	0°	0°	2.4	LR		-	14-311-42	14-321-42
					LL			14-311-32	14-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR		-	14-311-43	14-321-43
					LL			14-311-33	14-321-33
					LR		D	14-311-43HK	14-321-43HK
					LL			14-311-33HK	14-321-33HK
1st Bicuspid (L4)	-12°	0°	0°	3	LR		-	14-311-44	14-321-44
					LL			14-311-34	14-321-34
					LR		D	14-311-44HK	14-321-44HK
					LL			14-311-34HK	14-321-34HK
1st Bicuspid (L4)G/O	-12°	0°	0°	3	LR		-	14-311-44G	14-321-44G
					LL			14-311-34G	14-321-34G
					LR		D	14-311-44HKG	14-321-44HKG
					LL			14-311-34HKG	14-321-34HKG
2nd Bicuspid (L5)	-17°	0°	0°	3	LR		-	14-311-45	14-321-45
					LL			14-311-35	14-321-35
					LR		D	14-311-45HK	14-321-45HK
					LL			14-311-35HK	14-321-35HK
2nd Bicuspid (L5)G/O	-17°	0°	0°	3	LR		-	14-311-45G	14-321-45G
					LL			14-311-35G	14-321-35G
					LR		D	14-311-45HKG	14-321-45HKG
					LL			14-311-35HKG	14-321-35HKG

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Helio series McBeTr* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT14-312-00	KIT14-322-00
U/L 5×5 Hook on 3	KIT14-312-00CHK	KIT14-322-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT14-312-00CBCHK	KIT14-322-00CBCHK

MAXILLARY

McBeTr* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3	UR		-	14-312-11	14-322-11
					UL			14-312-21	14-322-21
Lateral (U2)	+10°	+8°	0°	2.6	UR		-	14-312-12	14-322-12
					UL			14-312-22	14-322-22
Cuspid (U3)	-7°	+8°	0°	2.8	UR		-	14-312-13	14-322-13
					UL			14-312-23	14-322-23
					UR		D	14-312-13HK	14-322-13HK
					UL			14-312-23HK	14-322-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	14-312-14	14-322-14
					UL			14-312-24	14-322-24
					UR		M	14-312-14HK	14-322-14HK
					UL			14-312-24HK	14-322-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	14-312-15	14-322-15
					UL			14-312-25	14-322-25
					UR		M	14-312-15HK	14-322-15HK
					UL			14-312-25HK	14-322-25HK

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Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR		-	14-312-41	14-322-41
					LL			14-312-31	14-322-31
Anteriors (L2)	-6°	0°	0°	2.4	LR		-	14-312-42	14-322-42
					LL			14-312-32	14-322-32
Cuspid (L3)	-6°	+3°	0°	2.8	LR		-	14-312-43	14-322-43
					LL			14-312-33	14-322-33
					LR		D	14-312-43HK	14-322-43HK
					LL			14-312-33HK	14-322-33HK
1st Bicuspid (L4)	-12°	0°	0°	2.8	LR		-	14-312-44	14-322-44
					LL			14-312-34	14-322-34
					LR		D	14-312-44HK	14-322-44HK
					LL			14-312-34HK	14-322-34HK
1st Bicuspid (L4)G/O	-12°	0°	0°	2.8	LR		-	14-312-44G	14-322-44G
					LL			14-312-34G	14-322-34G
					LR		D	14-312-44HKG	14-322-44HKG
					LL			14-312-34HKG	14-322-34HKG
2nd Bicuspid (L5)	-17°	0°	0°	2.8	LR		-	14-312-45	14-322-45
					LL			14-312-35	14-322-35
					LR		D	14-312-45HK	14-322-45HK
					LL			14-312-35HK	14-322-35HK
2nd Bicuspid (L5)G/O	-17°	0°	0°	2.8	LR		-	14-312-45G	14-322-45G
					LL			14-312-35G	14-322-35G
					LR		D	14-312-45HKG	14-322-45HKG
					LL			14-312-35HKG	14-322-35HKG

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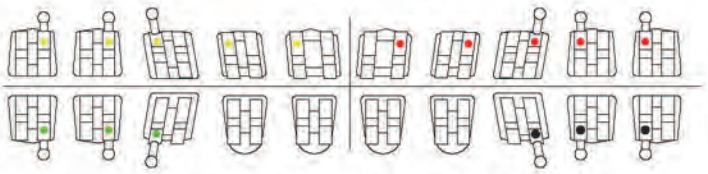
SMILE - One piece bracket



- Milling technology with stainless steel for non-deformable slot
- Traditional one piece bracket with good stiffness and amazing bonding strength

Smile series Edgewise standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT15-111-00	KIT15-121-00
U/L 5×5 Hook on 3	KIT15-111-00CHK	KIT15-121-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT15-111-00CBCHK	KIT15-121-00CBCHK

MAXILLARY

Edgewise Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3	UR	●	-	15-111-11	15-121-11
					UL	●		15-111-21	15-121-21
Lateral (U2)	0°	0°	0°	2.7	UR	●	-	15-111-12	15-121-12
					UL	●		15-111-22	15-121-22
Cuspid (U3)	0°	0°	0°	2.3	UR	●	-	15-111-13	15-121-13
					UL	●		15-111-23	15-121-23
					UR	●	D	15-111-13HK	15-121-13HK
					UL	●		15-111-23HK	15-121-23HK
Bicuspid (U4)	0°	0°	0°	3	UR	●	-	15-111-14	15-121-14
					UL	●		15-111-24	15-121-24
					UR	●	M	15-111-14HK	15-121-14HK
					UL	●		15-111-24HK	15-121-24HK
Bicuspid (U5)	0°	0°	0°	2.7	UR	●	-	15-111-15	15-121-15
					UL	●		15-111-25	15-121-25
					UR	●	M	15-111-15HK	15-121-15HK
					UL	●		15-111-25HK	15-121-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	3	LR	●	-	15-111-41	15-121-41
					LL	●		15-111-31	15-121-31
Anteriors (L2)	0°	0°	0°	2.7	LR	●	-	15-111-42	15-121-42
					LL	●		15-111-32	15-121-32
Cuspid (L3)	0°	0°	0°	2.3	LR	●	-	15-111-43	15-121-43
					LL	●		15-111-33	15-121-33
					LR	●	D	15-111-43HK	15-121-43HK
					LL	●		15-111-33HK	15-121-33HK
1st Bicuspid (L4)	0°	0°	0°	3	LR	●	-	15-111-44	15-121-44
					LL	●		15-111-34	15-121-34
					LR	●	M	15-111-44HK	15-121-44HK
					LL	●		15-111-34HK	15-121-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.7	LR	●	-	15-111-45	15-121-45
					LL	●		15-111-35	15-121-35
					LR	●	M	15-111-45HK	15-121-45HK
					LL	●		15-111-35HK	15-121-35HK

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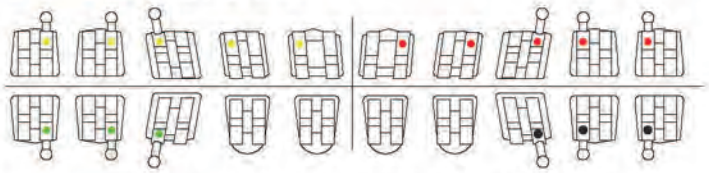
BRACKET I.D. CHART



Smile series Edgewise mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT15-112-00	KIT15-122-00
U/L 5×5 Hook on 3	KIT15-112-00CHK	KIT15-122-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT15-112-00CBCHK	KIT15-122-00CBCHK

Sandblasted base to provide safe and consistent bonding

MAXILLARY

Edgewise Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3	UR	●	-	15-112-11	15-122-11
					UL	●		15-112-21	15-122-21
Lateral (U2)	0°	0°	0°	2.7	UR	●	-	15-112-12	15-122-12
					UL	●		15-112-22	15-122-22
Cuspid (U3)	0°	0°	0°	2.3	UR	●	-	15-112-13	15-122-13
					UL	●		15-112-23	15-122-23
					UR	●	D	15-112-13HK	15-122-13HK
					UL	●		15-112-23HK	15-122-23HK
Bicuspid (U4)	0°	0°	0°	3	UR	●	-	15-112-14	15-122-14
					UL	●		15-112-24	15-122-24
					UR	●	M	15-112-14HK	15-122-14HK
					UL	●		15-112-24HK	15-122-24HK
Bicuspid (U5)	0°	0°	0°	2.7	UR	●	-	15-112-15	15-122-15
					UL	●		15-112-25	15-122-25
					UR	●	M	15-112-15HK	15-122-15HK
					UL	●		15-112-25HK	15-122-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	3	LR	●	-	15-112-41	15-122-41
					LL	●		15-112-31	15-122-31
Anteriors (L2)	0°	0°	0°	2.6	LR	●	-	15-112-42	15-122-42
					LL	●		15-112-32	15-122-32
Cuspid (L3)	0°	0°	0°	2.6	LR	●	-	15-112-43	15-122-43
					LL	●		15-112-33	15-122-33
					LR	●	D	15-112-43HK	15-122-43HK
					LL	●		15-112-33HK	15-122-33HK
1st Bicuspid (L4)	0°	0°	0°	2.6	LR	●	-	15-112-44	15-122-44
					LL	●		15-112-34	15-122-34
					LR	●	M	15-112-44HK	15-122-44HK
					LL	●		15-112-34HK	15-122-34HK
2nd Bicuspid (L5)	0°	0°	0°	2.6	LR	●	-	15-112-45	15-122-45
					LL	●		15-112-35	15-122-35
					LR	●	M	15-112-45HK	15-122-45HK
					LL	●		15-112-35HK	15-122-35HK

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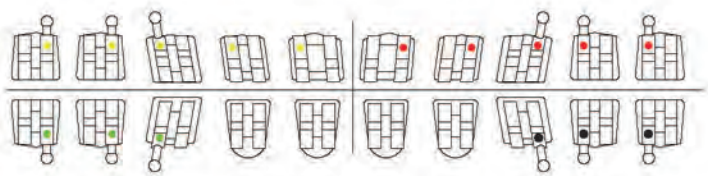
BRACKET I.D. CHART



Smile series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT15-211-00	KIT15-221-00
U/L 5×5 Hook on 3	KIT15-211-00CHK	KIT15-221-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT15-211-00CBCHK	KIT15-221-00CBCHK

MAXILLARY — Roth* Standard

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.2	UR	yellow	-	15-211-11	15-221-11
					UL	red		15-211-21	15-221-21
Lateral (U2)	+8°	+9°	0°	2.8	UR	yellow	-	15-211-12	15-221-12
					UL	red		15-211-22	15-221-22
Cuspid (U3)	-2°	+13°	0°	3.2	UR	yellow	-	15-211-13	15-221-13
					UL	red		15-211-23	15-221-23
					UR	yellow	D	15-211-13HK	15-221-13HK
					UL	red		15-211-23HK	15-221-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR	yellow	-	15-211-14	15-221-14
					UL	red		15-211-24	15-221-24
					UR	yellow	M	15-211-14HK	15-221-14HK
					UL	red		15-211-24HK	15-221-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR	yellow	-	15-211-15	15-221-15
					UL	red		15-211-25	15-221-25
					UR	yellow	M	15-211-15HK	15-221-15HK
					UL	red		15-211-25HK	15-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.4	LR	green	-	15-211-41	15-221-41
					LL	black		15-211-31	15-221-31
Anteriors (L2)	-1°	+2°	0°	2.4	LR	green	-	15-211-42	15-221-42
					LL	black		15-211-32	15-221-32
Cuspid (L3)	-11°	+7°	0°	3.2	LR	green	-	15-211-43	15-221-43
					LL	black		15-211-33	15-221-33
					LR	green	D	15-211-43HK	15-221-43HK
					LL	black		15-211-33HK	15-221-33HK
1st Bicuspid (L4)	-17°	-1°	0°	3	LR	green	-	15-211-44	15-221-44
					LL	black		15-211-34	15-221-34
					LR	green	M	15-211-44HK	15-221-44HK
					LL	black		15-211-34HK	15-221-34HK
2nd Bicuspid (L5)	-22°	-1°	0°	3	LR	green	-	15-211-45	15-221-45
					LL	black		15-211-35	15-221-35
					LR	green	M	15-211-45HK	15-221-45HK
					LL	black		15-211-35HK	15-221-35HK

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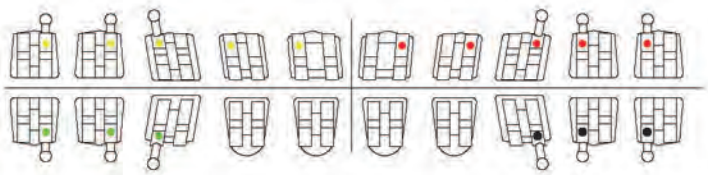
BRACKET I.D. CHART



Smile series Roth* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT15-212-00	KIT15-222-00
U/L 5×5 Hook on 3	KIT15-212-00CHK	KIT15-222-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT15-212-00CBCHK	KIT15-222-00CBCHK

MAXILLARY — Roth* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3	UR		-	15-212-11	15-222-11
					UL			15-212-21	15-222-21
Lateral (U2)	+8°	+9°	0°	2.6	UR		-	15-212-12	15-222-12
					UL			15-212-22	15-222-22
Cuspid (U3)	-2°	+13°	0°	2.8	UR		-	15-212-13	15-222-13
					UL			15-212-23	15-222-23
					UR		D	15-212-13HK	15-222-13HK
					UL			15-212-23HK	15-222-23HK
Bicuspid (U4)	-7°	0°	0°	2.6	UR		-	15-212-14	15-222-14
					UL			15-212-24	15-222-24
					UR		M	15-212-14HK	15-222-14HK
					UL			15-212-24HK	15-222-24HK
Bicuspid (U5)	-7°	0°	0°	2.6	UR		-	15-212-15	15-222-15
					UL			15-212-25	15-222-25
					UR		M	15-212-15HK	15-222-15HK
					UL			15-212-25HK	15-222-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.4	LR		-	15-212-41	15-222-41
					LL			15-212-31	15-222-31
Anteriors (L2)	-1°	+2°	0°	2.4	LR		-	15-212-42	15-222-42
					LL			15-212-32	15-222-32
Cuspid (L3)	-11°	+7°	0°	2.8	LR		-	15-212-43	15-222-43
					LL			15-212-33	15-222-33
					LR		D	15-212-43HK	15-222-43HK
					LL			15-212-33HK	15-222-33HK
1st Bicuspid (L4)	-17°	-1°	0°	2.6	LR		-	15-212-44	15-222-44
					LL			15-212-34	15-222-34
					LR		M	15-212-44HK	15-222-44HK
					LL			15-212-34HK	15-222-34HK
2nd Bicuspid (L5)	-22°	-1°	0°	2.6	LR		-	15-212-45	15-222-45
					LL			15-212-35	15-222-35
					LR		M	15-212-45HK	15-222-45HK
					LL			15-212-35HK	15-222-35HK

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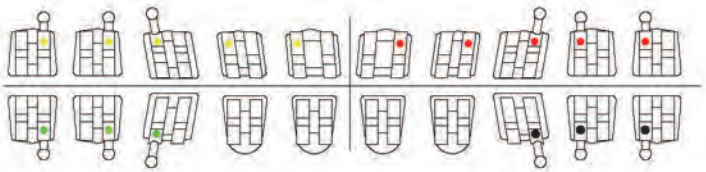
BRACKET I.D. CHART



Smile series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT15-311-00	KIT15-321-00
U/L 5×5 Hook on 3	KIT15-311-00CHK	KIT15-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT15-311-00CBCHK	KIT15-321-00CBCHK

MAXILLARY — McBeTr* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.6	UR	yellow	-	15-311-11	15-321-11
					UL	red		15-311-21	15-321-21
Lateral (U2)	+10°	+8°	0°	3	UR	yellow	-	15-311-12	15-321-12
					UL	red		15-311-22	15-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR	yellow	-	15-311-13	15-321-13
					UL	red		15-311-23	15-321-23
					UR	yellow	D	15-311-13HK	15-321-13HK
					UL	red		15-311-23HK	15-321-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR	yellow	-	15-311-14	15-321-14
					UL	red		15-311-24	15-321-24
					UR	yellow	M	15-311-14HK	15-321-14HK
					UL	red		15-311-24HK	15-321-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR	yellow	-	15-311-15	15-321-15
					UL	red		15-311-25	15-321-25
					UR	yellow	M	15-311-15HK	15-321-15HK
					UL	red		15-311-25HK	15-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.6	LR	green	-	15-311-41	15-321-41
					LL	black		15-311-31	15-321-31
Anteriors (L2)	-6°	0°	0°	2.6	LR	green	-	15-311-42	15-321-42
					LL	black		15-311-32	15-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR	green	-	15-311-43	15-321-43
					LL	black		15-311-33	15-321-33
					LR	green	D	15-311-43HK	15-321-43HK
					LL	black		15-311-33HK	15-321-33HK
1st Bicuspid (L4)	-12°	+2°	0°	3	LR	green	-	15-311-44	15-321-44
					LL	black		15-311-34	15-321-34
					LR	green	M	15-311-44HK	15-321-44HK
					LL	black		15-311-34HK	15-321-34HK
2nd Bicuspid (L5)	-17°	+2°	0°	3	LR	green	-	15-311-45	15-321-45
					LL	black		15-311-35	15-321-35
					LR	green	M	15-311-45HK	15-321-45HK
					LL	black		15-311-35HK	15-321-35HK

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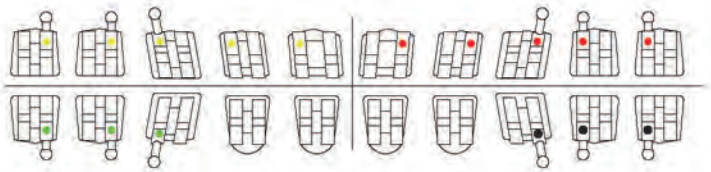

Smile series McBeTr* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT15-312-00	KIT15-322-00
U/L 5×5 Hook on 3	KIT15-312-00CHK	KIT15-322-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT15-312-00CBCHK	KIT15-322-00CBCHK

MAXILLARY — McBeTr* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR		-	15-312-11	15-322-11
					UL			15-312-21	15-322-21
Lateral (U2)	+10°	+8°	0°	2.8	UR		-	15-312-12	15-322-12
					UL			15-312-22	15-322-22
Cuspid (U3)	-7°	+8°	0°	3	UR		-	15-312-13	15-322-13
					UL			15-312-23	15-322-23
					UR		D	15-312-13HK	15-322-13HK
					UL			15-312-23HK	15-322-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	15-312-14	15-322-14
					UL			15-312-24	15-322-24
					UR		M	15-312-14HK	15-322-14HK
					UL			15-312-24HK	15-322-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	15-312-15	15-322-15
					UL			15-312-25	15-322-25
					UR		M	15-312-15HK	15-322-15HK
					UL			15-312-25HK	15-322-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR		-	15-312-41	15-322-41
					LL			15-312-31	15-322-31
Anteriors (L2)	-6°	0°	0°	2.4	LR		-	15-312-42	15-322-42
					LL			15-312-32	15-322-32
Cuspid (L3)	-6°	+3°	0°	3	LR		-	15-312-43	15-322-43
					LL			15-312-33	15-322-33
					LR		D	15-312-43HK	15-322-43HK
					LL			15-312-33HK	15-322-33HK
1st Bicuspid (L4)	-12°	+2°	0°	2.8	LR		-	15-312-44	15-322-44
					LL			15-312-34	15-322-34
					LR		M	15-312-44HK	15-322-44HK
					LL			15-312-34HK	15-322-34HK
2nd Bicuspid (L5)	-17°	+2°	0°	2.8	LR		-	15-312-45	15-322-45
					LL			15-312-35	15-322-35
					LR		M	15-312-45HK	15-322-45HK
					LL			15-312-35HK	15-322-35HK

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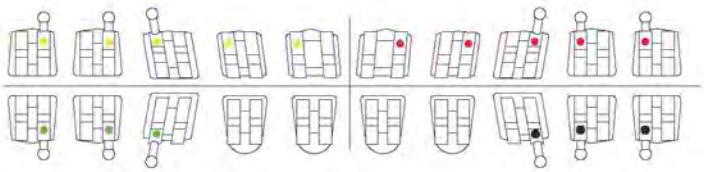

New Smile series Roth* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT17-212-00	KIT17-222-00
U/L 5×5 Hook on 3	KIT17-212-00CHK	KIT17-222-00CHK
U/L 5×5 Hook on 3, 4 & 5	KIT17-212-00CBCHK	KIT17-222-00CBCHK

MAXILLARY — Roth* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.1	UR		-	17-212-11	17-222-11
					UL			17-212-21	17-222-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	17-212-12	17-222-12
					UL			17-212-22	17-222-22
Cuspid (U3)	-2°	+11°	0°	2.8	UR		-	17-212-13	17-222-13
					UL			17-212-23	17-222-23
					UR		D	17-212-13HK	17-222-13HK
					UL			17-212-23HK	17-222-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	17-212-14	17-222-14
					UL			17-212-24	17-222-24
					UR		M	17-212-14HK	17-222-14HK
					UL			17-212-24HK	17-222-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	17-212-15	17-222-15
					UL			17-212-25	17-222-25
					UR		M	17-212-15HK	17-222-15HK
					UL			17-212-25HK	17-222-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	0°	2.3	LR		-	17-212-41	17-222-41
					LL			17-212-31	17-222-31
Anteriors (L2)	-1°	+5°	0°	2.8	LR		-	17-212-42	17-222-42
					LL			17-212-32	17-222-32
Cuspid (L3)	-11°	+5°	0°	2.8	LR		-	17-212-43	17-222-43
					LL			17-212-33	17-222-33
					LR		D	17-212-43HK	17-222-43HK
					LL			17-212-33HK	17-222-33HK
1st Bicuspid (L4)	-11°	-1°	0°	2.8	LR		-	17-212-44	17-222-44
					LL			17-212-34	17-222-34
					LR		M	17-212-44HK	17-222-44HK
					LL			17-212-34HK	17-222-34HK
2nd Bicuspid (L5)	-22°	-1°	0°	2.8	LR		-	17-212-45	17-222-45
					LL			17-212-35	17-222-35
					LR		M	17-212-45HK	17-222-45HK
					LL			17-212-35HK	17-222-35HK

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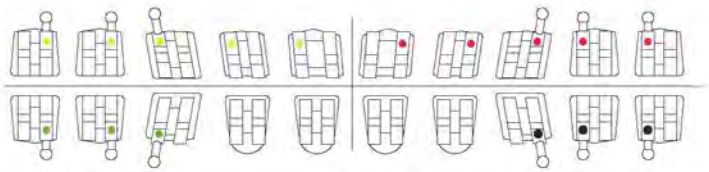
BRACKET SYSTEMS

New Smile Brackets

MIM one-piece Brackets

BRACKET I.D. CHART



New Smile series McBeTr* mini bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT17-312-00	KIT17-322-00
U/L 5×5 Hook on 3	KIT17-312-00CHK	KIT17-322-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT17-312-00CBCHK	KIT17-322-00CBCHK

MAXILLARY — McBeTr* Mini

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.1	UR		-	17-312-11	17-322-11
					UL			17-312-21	17-322-21
Lateral (U2)	+10°	+8°	0°	2.8	UR		-	17-312-12	17-322-12
					UL			17-312-22	17-322-22
Cuspid (U3)	-7°	+8°	0°	2.8	UR		-	17-312-13	17-322-13
					UL			17-312-23	17-322-23
					UR		D	17-312-13HK	17-322-13HK
					UL			17-312-23HK	17-322-23HK
Bicuspid (U4)	-7°	0°	0°	2.8	UR		-	17-312-14	17-322-14
					UL			17-312-24	17-322-24
					UR		M	17-312-14HK	17-322-14HK
					UL			17-312-24HK	17-322-24HK
Bicuspid (U5)	-7°	0°	0°	2.8	UR		-	17-312-15	17-322-15
					UL			17-312-25	17-322-25
					UR		M	17-312-15HK	17-322-15HK
					UL			17-312-25HK	17-322-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.2	LR		-	17-312-41	17-322-41
					LL			17-312-31	17-322-31
Anteriors (L2)	-6°	0°	0°	2.8	LR		-	17-312-42	17-322-42
					LL			17-312-32	17-322-32
Cuspid (L3)	-6°	+3°	0°	2.8	LR		-	17-312-43	17-322-43
					LL			17-312-33	17-322-33
					LR		D	17-312-43HK	17-322-43HK
					LL			17-312-33HK	17-322-33HK
1st Bicuspid (L4)	-12°	+2°	0°	2.8	LR		-	17-312-44	17-322-44
					LL			17-312-34	17-322-34
					LR		M	17-312-44HK	17-322-44HK
					LL			17-312-34HK	17-322-34HK
2nd Bicuspid (L5)	-17°	+2°	0°	2.8	LR		-	17-312-45	17-322-45
					LL			17-312-35	17-322-35
					LR		M	17-312-45HK	17-322-45HK
					LL			17-312-35HK	175-322-35HK

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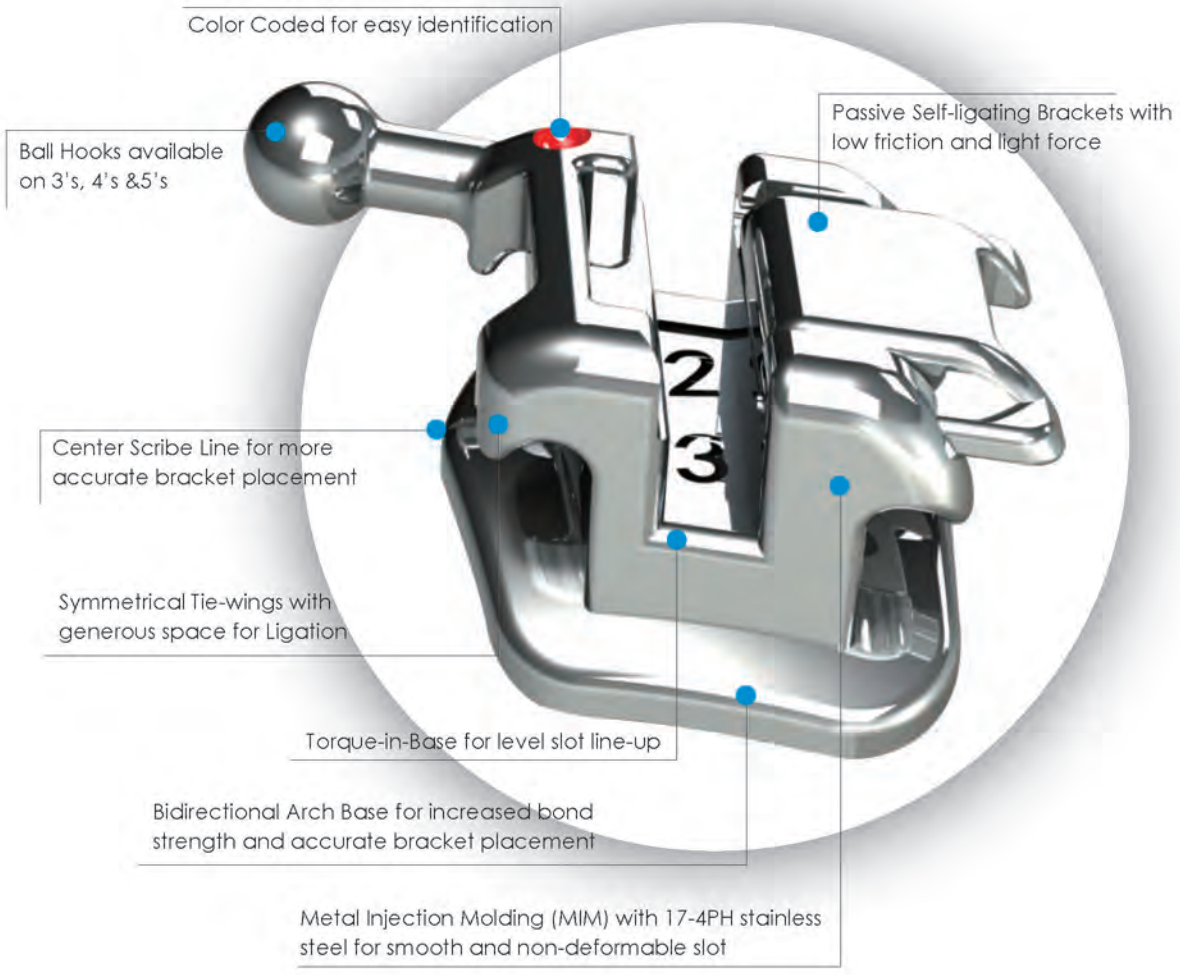
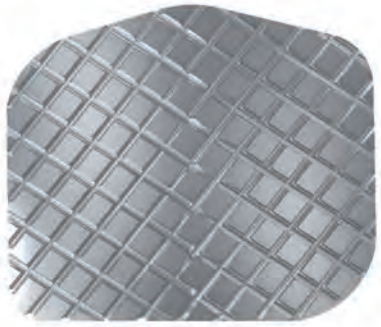
ProMIM - Foil Mesh bracket- 80 Gauge

Not available in the U.S. or Japan



Single layer MIM construction

Single layer MIM construction combines strength and precision into a single layer construction, enabling easy achievement of desired torques and angulations.



ProMIM Passive Self-ligating Brackets

ProMIM

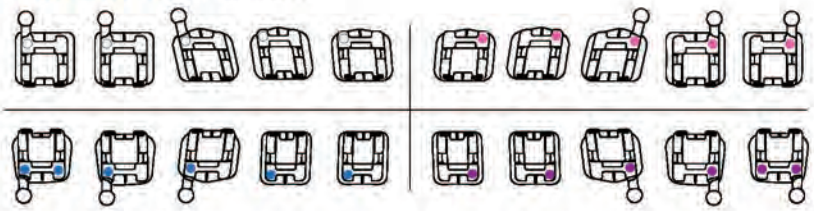
Easy opening clip

Easy opening clip and slot blocker design allows for quick, easy and time saving wire changes when compared to conventional brackets- simply open the clip with an opening instrument, engage the wire, and then slide the clip closed with your fingertip- it's that simple!

Opening Instrument

Reference Number	05-101-01

BRACKET I.D. CHART



ProMIM series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT21-311-00	KIT21-321-00
U/L 5×5 Hook on 3	KIT21-311-00CHK	KIT21-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT21-311-00CBCHK	KIT21-321-00CBCHK

McBeTr*

MAXILLARY

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3	UR	O	-	21-311-11	21-321-11
					UL	●		21-311-21	21-321-21
Lateral (U2)	+10°	+8°	0°	2.8	UR	O	-	21-311-12	21-321-12
					UL	●		21-311-22	21-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR	O	-	21-311-13	21-321-13
					UL	●		21-311-23	21-321-23
					UR	O	D	21-311-13HK	21-321-13HK
					UL	●		21-311-23HK	21-321-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR	O	-	21-311-14	21-321-14
					UL	●		21-311-24	21-321-24
					UR	O	D	21-311-14HK	21-321-14HK
					UL	●		21-311-24HK	21-321-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR	O	-	21-311-15	21-321-15
					UL	●		21-311-25	21-321-25
					UR	O	D	21-311-15HK	21-321-15HK
					UL	●		21-311-25HK	21-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.6	LR	●	-	21-311-41	21-321-41
					LL	●		21-311-31	21-321-31
Anteriors (L2)	-6°	0°	0°	2.6	LR	●	-	21-311-42	21-321-42
					LL	●		21-311-32	21-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR	●	-	21-311-43	21-321-43
					LL	●		21-311-33	21-321-33
					LR	●	D	21-311-43HK	21-321-43HK
					LL	●		21-311-33HK	21-321-33HK
1st Bicuspid (L4)	-12°	0°	0°	3	LR	●	-	21-311-44	21-321-44
					LL	●		21-311-34	21-321-34
					LR	●	D	21-311-44HK	21-321-44HK
					LL	●		21-311-34HK	21-321-34HK
2nd Bicuspid (L5)	-17°	0°	0°	3	LR	●	-	21-311-45	21-321-45
					LL	●		21-311-35	21-321-35
					LR	●	D	21-311-45HK	21-321-45HK
					LL	●		21-311-35HK	21-321-35HK

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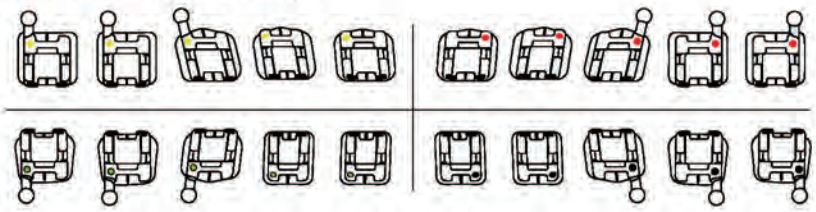
BRACKET SYSTEMS

ProMIM Passive Self-ligating Brackets

BRACKET I.D. CHART



ProMIM series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT21-211-00	KIT21-221-00
U/L 5×5 Hook on 3	KIT21-211-00CHK	KIT21-221-00CHK
U/L 5×5 Hook on 3, 4 & 5	KIT21-211-00CBCHK	KIT21-221-00CBCHK

Roth*

MAXILLARY

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3	UR		-	21-211-11	21-221-11
					UL			21-211-21	21-221-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	21-211-12	21-221-12
					UL			21-211-22	21-221-22
Cuspid (U3)	-2°	+13°	4°M	3	UR		-	21-211-13	21-221-13
					UL			21-211-23	21-221-23
					UR		D	21-211-13HK	21-221-13HK
					UL			21-211-23HK	21-221-23HK
Bicuspid (U4)	-7°	0°	2°D	3	UR		-	21-211-14	21-221-14
					UL			21-211-24	21-221-24
					UR		D	21-211-14HK	21-221-14HK
					UL			21-211-24HK	21-221-24HK
Bicuspid (U5)	-7°	0°	2°D	3	UR		-	21-211-15	21-221-15
					UL			21-211-25	21-221-25
					UR		D	21-211-15HK	21-221-15HK
					UL			21-211-25HK	21-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.6	LR		-	21-211-41	21-221-41
					LL			21-211-31	21-221-31
Anteriors (L2)	-1°	+2°	0°	2.6	LR		-	21-211-42	21-221-42
					LL			21-211-32	21-221-32
Cuspid (L3)	-11°	+7°	2°M	3	LR		-	21-211-43	21-221-43
					LL			21-211-33	21-221-33
					LR		D	21-211-43HK	21-221-43HK
					LL			21-211-33HK	21-221-33HK
1st Bicuspid (L4)	-17°	-1°	4°D	3	LR		-	21-211-44	21-221-44
					LL			21-211-34	21-221-34
					LR		D	21-211-44HK	21-221-44HK
					LL			21-211-34HK	21-221-34HK
2nd Bicuspid (L5)	-22°	-1°	4°D	3	LR		-	21-211-45	21-221-45
					LL			21-211-35	21-221-35
					LR		D	21-211-45HK	21-221-45HK
					LL			21-211-35HK	21-221-35HK

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ProMIM Passive Self-Ligating Brackets Sequence for Cu-Alloy Archwire

Steps	Recommended Wires and Sequence	Periods	Purpose
Step-1	.014 Cu-Alloy (U/L)	2~4 months	Level and align Resolve rotation
Step-2	.014 x .025 Cu-Alloy (U/L)	2~4 months	Complete leveling and aligning. Begin torque control Resolve remaining rotations.
Step-3	.018 x .025 Cu-Alloy (U)	2~3 months	Additional torque control Anterior space consolidation Arch development.
Step-4	.019 x .025 Stainless steel (U/L)	5~7 months	Consolidate posterior space. Arch coordination
Step-5	.019 x .025 Stainless steel (U/L) .021 x .025 Stainless steel (U/L)	4~5 months	Complete root movement
Step-6	.021 x .025 Stainless steel (U/L)	1~2 months	Final detailing

ProMIM Passive Self-Ligating Brackets Sequence for MEMAlloy and BIO MEMAlloy Archwire

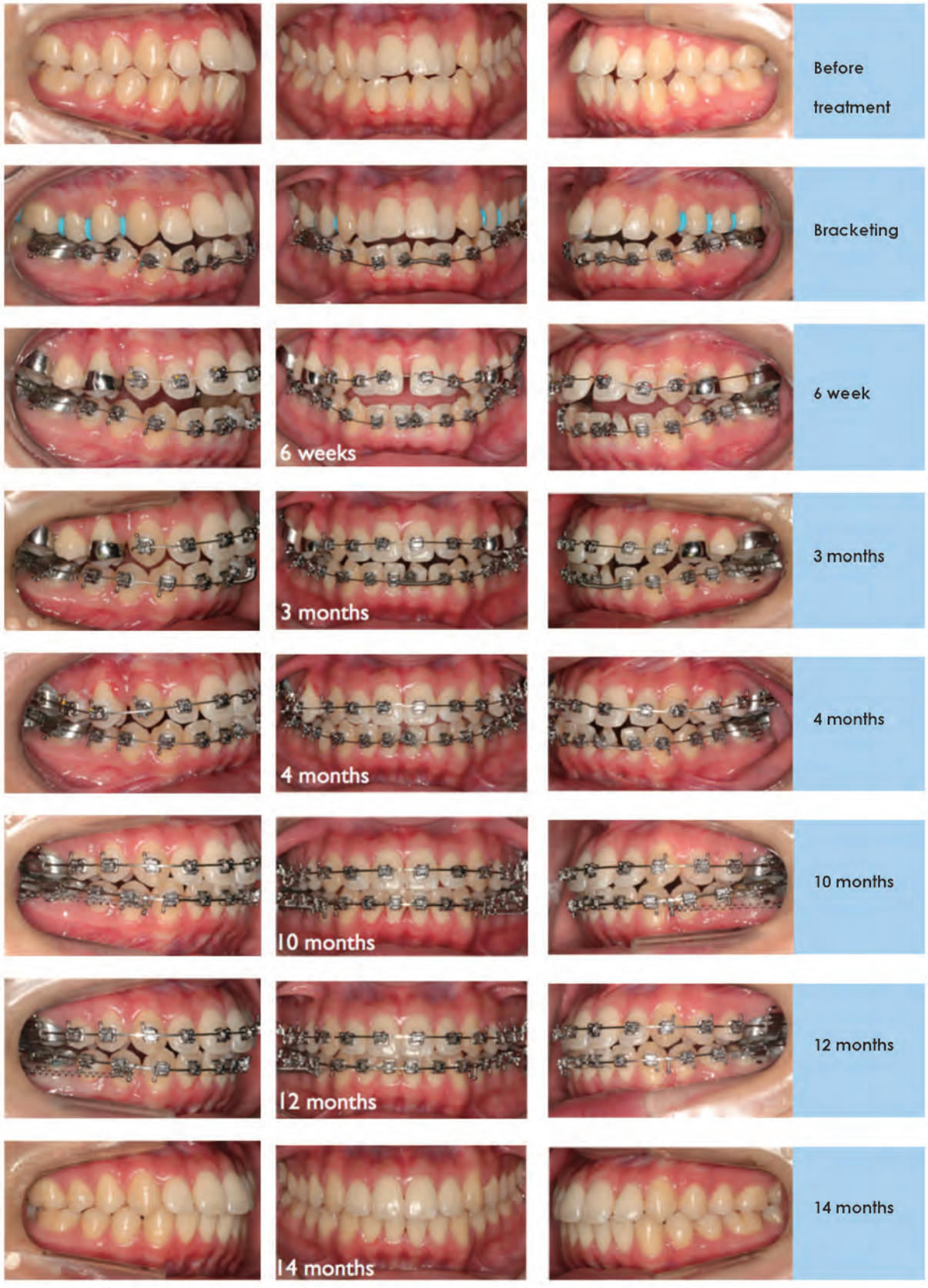
Steps	Recommended Wires and Sequence	Periods	Purpose
Step-1	.014 MEMAlloy (U/L) .018 MEMAlloy (U/L)	2~3 months	Level and align Resolve rotation
Step-2	.018 x .018 Bio MEMAlloy (U/L) .020 x .020 Bio MEMAlloy (U/L)	3~4 months	Complete leveling and aligning Begin torque control
Step-3	.019 x .025 Stainless steel (U/L)	5~7 months	Close extraction space
Step-4	.019 x .025 Stainless steel (U/L) .021 x .025 Stainless steel (U/L)	4~5 months	Complete root movement
Step-5	.021 x .025 Stainless steel (U/L)	1~2 months	Final detailing

Remarks:

1. The wires sequence is recommended by IMD, the specific use of the wire and its sequence are determined by dentists
2. The treatment time will be referred to the actual status of the cases
3. Above recommended wires are in pieces, dentists can make the decision of the wires' quantity according to different situations.

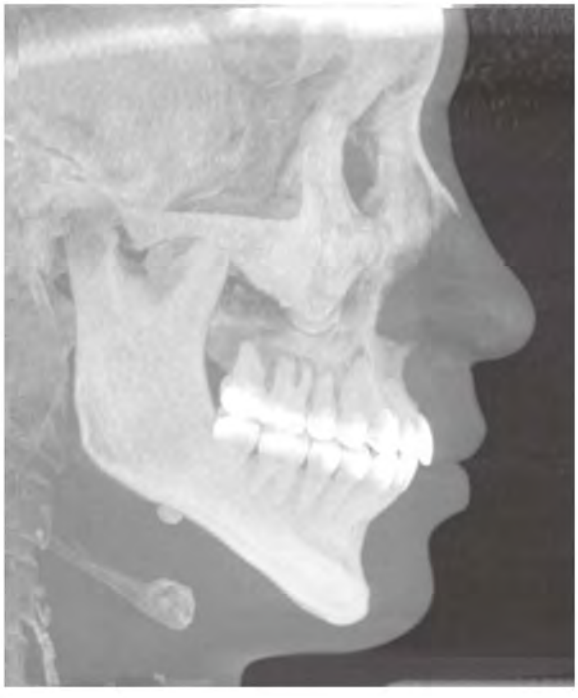
Case Study 1

— Case Treated by Dr. Jina Linton Lee



Before treatment

After treatment



Before treatment

After treatment

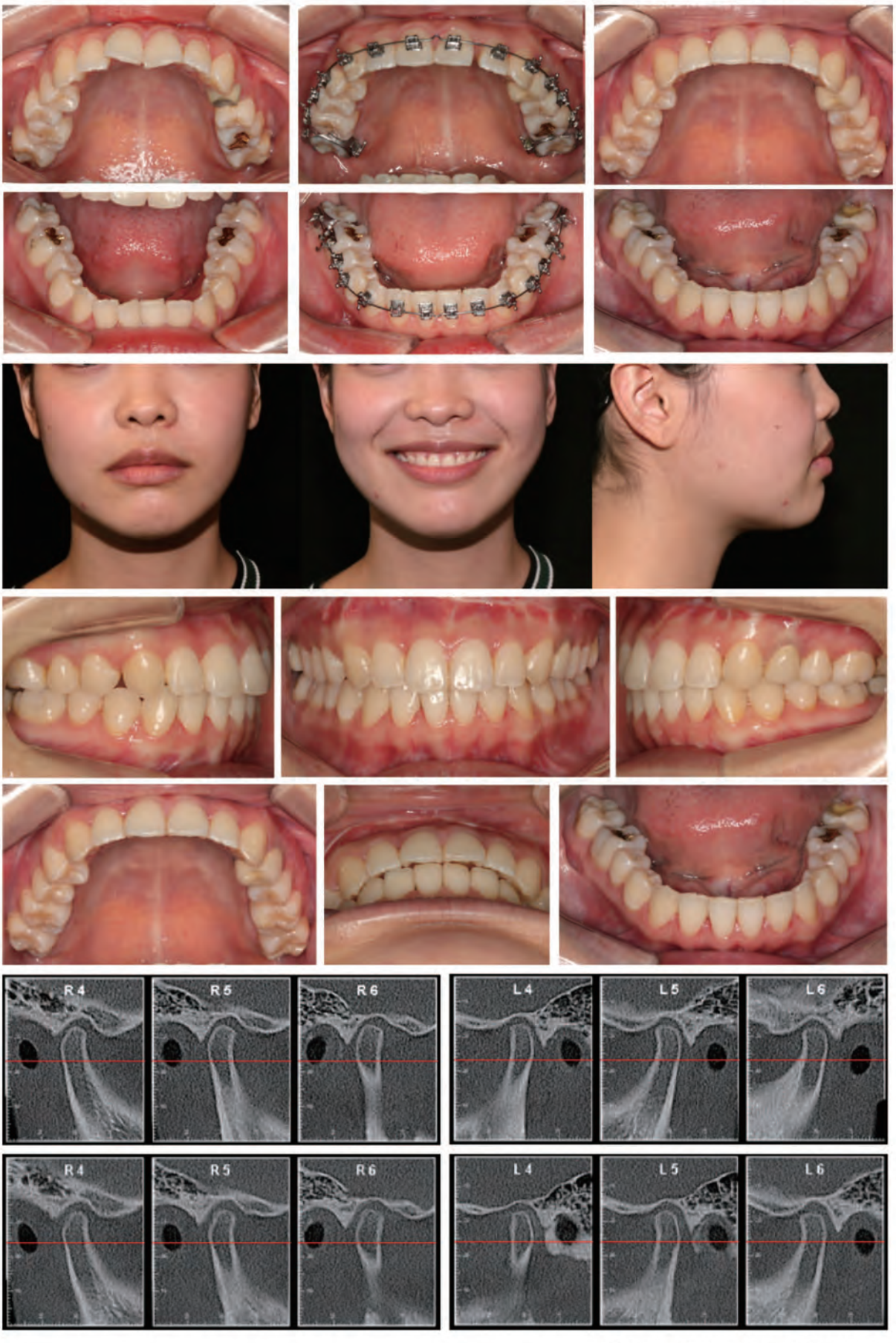
Functional occlusion

— Case Treated by Dr. Jina Linton Lee

Case Study 2

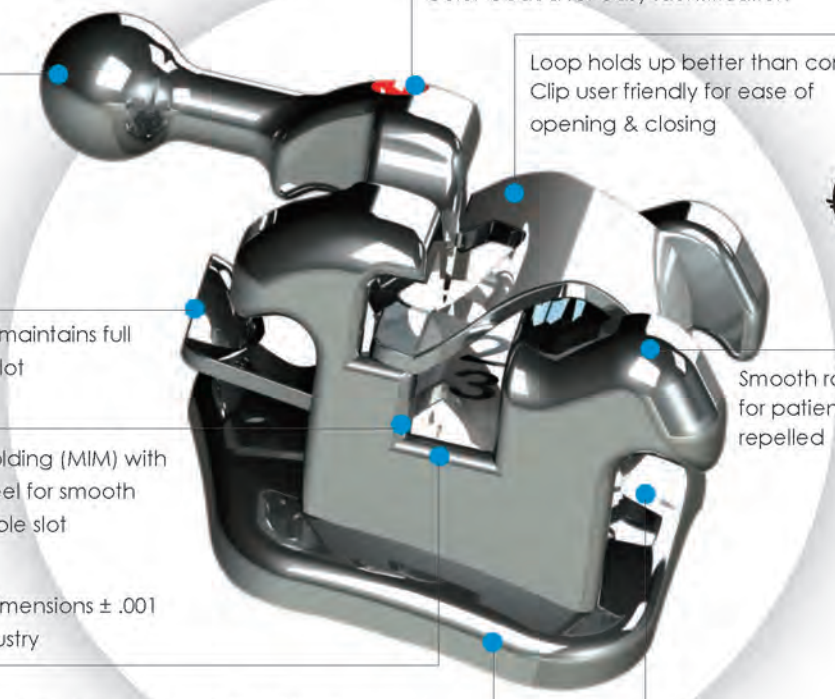
— Case Treated by Dr. Jina Linton Lee

Skeletal Class III open bite
22 yrs female



----- Case Treated by Dr. Jina Linton Lee

ACTMIM - Foil Mesh bracket- 80 Gauge



Color Coded for easy identification

Loop holds up better than competitors
Clip user friendly for ease of opening & closing

Ball Hooks available on 3's, 4's &5's

Special spring temper clip maintains full engagement of archwire slot

Smooth rounded over all design for patient comfort & plaque repelled

Metal Injection Molding (MIM) with 17-4PH stainless steel for smooth and non-deformable slot

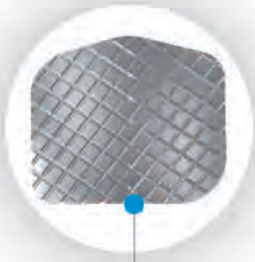
Precison slot dimensions ± .001 best in the industry

Compound coutour /Torque in base for optimal tooth to bracket base adaptation & placement

Generous tie-wing clearance for ease of ligation for power chain elastics &steel ligature

Single layer MIM construction

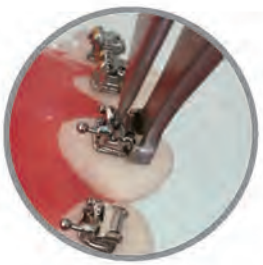
Single layer MIM construction combines strength and precision into a single layer construction, enabling easy achievement of desired torques and angulations.



Foil mesh base(80G) for superior bond strength

ActMIM Active Self-ligating Brackets

Easy Open Clip
Opening the clip of ActMIM bracket is a snap! Place the opening instrument to the v-notched clip at the gingival side of the bracket and the clip will open easily once pressure is applied occlusal-ly to the clip.



Closing Technique
Using a tweezer, or your fingertip, gently apply pressure on occlusal side of the clip to gingival

Opening Instrument

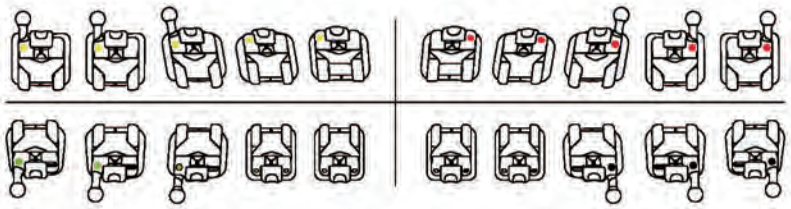
Reference Number 05-101-01

MEMAlloy and BIO MEMAlloy Archwire Sequence for ActMIM Active Self-Ligating Brackets

Steps	Recommended Wires and Sequence	Periods	Purpose
Step-1	.014 MEMAlloy (U/L) .018 MEMAlloy (U/L)	2~3 months	Level and align Resolve rotation
Step-2	.018 x .018 Bio MEMAlloy (U/L) .020 x .020 Bio MEMAlloy (U/L)	2~4 months	Complete leveling and aligning Begin torque control
Step-3	.019 x .025 Stainless steel (U/L)	5~8 months	Close extraction space
Step-4	.019 x .025 Stainless steel (U/L) .021 x .025 Stainless steel (U/L)	3~4 months	Complete root movement
Step-5	.021 x .025 Stainless steel (U/L)	1~2 months	Final detailing

Remarks:
1. The wires sequence is recommended by IMD, the specific use of the wire and its sequence are determined by dentists
2. The treatment time will be referred to the actual status of the cases
3. Above recommended wires are in pieces, dentists can make the decision of the wires' quantity according to different situations.

BRACKET I.D. CHART



ActMIM series Roth* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	-	-
U/L 5×5 Hook on 3	KIT22-211-00CHK	KIT22-221-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT22-211-00CBCHK	KIT22-221-00CBCHK

MAXILLARY

Roth*

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3	UR		-	22-211-11	22-221-11
					UL		-	22-211-21	22-221-21
Lateral (U2)	+8°	+9°	0°	2.8	UR		-	22-211-12	22-221-12
					UL		-	22-211-22	22-221-22
Cuspid (U3)	-2°	+10°	2°	3	UR		D	22-211-13HK	22-221-13HK
					UL		D	22-211-23HK	22-221-23HK
Bicuspid (U4)	-7°	0°	2°	3	UR		-	22-211-14	22-221-14
					UL		-	22-211-24	22-221-24
					UR		D	22-211-14HK	22-221-14HK
					UL		D	22-211-24HK	22-221-24HK
Bicuspid (U5)	-7°	0°	2°	3	UR		-	22-211-15	22-221-15
					UL		-	22-211-25	22-221-25
					UR		D	22-211-15HK	22-221-15HK
					UL		D	22-211-25HK	22-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.6	LR		-	22-211-41	22-221-41
					LL		-	22-211-31	22-221-31
Anteriors (L2)	-1°	+2°	0°	2.6	LR		-	22-211-42	22-221-42
					LL		-	22-211-32	22-221-32
Cuspid (L3)	-11°	+7°	2°	3	LR		D	22-211-43HK	22-221-43HK
					LL		D	22-211-33HK	22-221-33HK
1st Bicuspid (L4)	-17°	-1°	4°	3	LR		-	22-211-44	22-221-44
					LL		-	22-211-34	22-221-34
					LR		D	22-211-44HK	22-221-44HK
					LL		D	22-211-34HK	22-221-34HK
2nd Bicuspid (L5)	-22°	-1°	4°	3	LR		-	22-211-45	22-221-45
					LL		-	22-211-35	22-221-35
					LR		D	22-211-45HK	22-221-45HK
					LL		D	22-211-35HK	22-221-35HK

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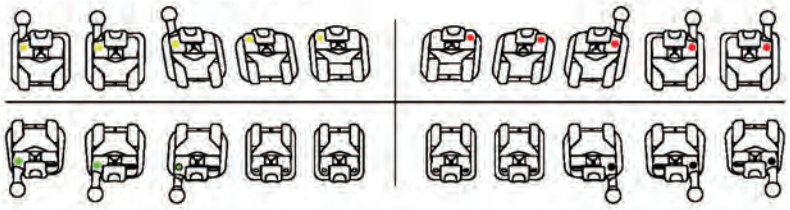
BRACKET SYSTEMS

ActMIM Active Self-ligating Brackets

BRACKET I.D. CHART



ActMIM series McBeTr* standard bracket kits

	.018 in.	.022 in.
U/L 5×5	-	-
U/L 5×5 Hook on 3	KIT22-311-00CHK	KIT22-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT22-311-00CBCHK	KIT22-321-00CBCHK

MAXILLARY

McBeTr*

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central(U1)	+17°	+4°	0°	3	UR		-	22-311-11	22-321-11
					UL			22-311-21	22-321-21
Lateral(U2)	+10°	+8°	0°	2.8	UR		-	22-311-12	22-321-12
					UL			22-311-22	22-321-22
Cuspid(U3)	-7°	+8°	0°	3	UR		-	22-311-13	22-321-13
					UL			22-311-23	22-321-23
					UR		D	22-311-13HK	22-321-13HK
					UL		D	22-311-23HK	22-321-23HK
Bicuspid(U4)	-7°	0°	0°	3	UR		-	22-311-14	22-321-14
					UL			22-311-24	22-321-24
					UR		D	22-311-14HK	22-321-14HK
					UL		D	22-311-24HK	22-321-24HK
Bicuspid(U5)	-7°	0°	0°	3	UR		-	22-311-15	22-321-15
					UL			22-311-25	22-321-25
					UR		D	22-311-15HK	22-321-15HK
					UL		D	22-311-25HK	22-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors(L1)	-6°	0°	0°	2.6	LR		-	22-311-41	22-321-41
					LL		-	22-311-31	22-321-31
Anteriors(L2)	-6°	0°	0°	2.6	LR		-	22-311-42	22-321-42
					LL		-	22-311-32	22-321-32
Cuspid(L3)	-6°	+3°	0°	3	LR		-	22-311-43	22-321-43
					LL		-	22-311-33	22-321-33
					LR		D	22-311-43HK	22-321-43HK
					LL		D	22-311-33HK	22-321-33HK
1st Bicuspid(L4)	-12°	+2°	0°	3	LR		-	22-311-44	22-321-44
					LL		-	22-311-34	22-321-34
					LR		D	22-311-44HK	22-321-44HK
					LL		D	22-311-34HK	22-321-34HK
2nd Bicuspid(L5)	-17°	+2°	0°	3	LR		-	22-311-45	22-321-45
					LL		-	22-311-35	22-321-35
					LR		D	22-311-45HK	22-321-45HK
					LL		D	22-311-35HK	22-321-35HK

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BUCCAL TUBE

Buccal Tube information

PLUTO PLUS

1 Funnelled access for easy wire insertion, simplifying arch Wire adjustments and saving valuable chair time

2 Torque in base

3 Indented pad design

4 Recess design for easy gripping with tweezers

5、6、7 Ball hook, optimal incline and rounded edges enhance patient comfort

8 Bidirectional arch base for increased bonding strength and accurate placement`

9 Beveled corners & edges enhanced patient comfort

Buccal Tube Prescription Reference Chart

MAXILLARY

	System	M/D	Tip	Torque	Slot size	Bondpads Right	Bondpads Left	Weldable Right	Weldable Left	Auxiliary Slot	Auxiliary Hooks
New1st molar single non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.2	-14°	10°	.018	71-621-11N	71-621-21N	73-621-11N	73-621-21N	-	Gingival Hook
		4.2	-14°	10°	.022	71-622-11N	71-622-21N	73-622-11N	73-622-21N	-	Gingival Hook
	McBeTr*	4.2	-14°	10°	.018	71-631-11N	71-631-21N	73-631-11N	73-631-21N	-	Gingival Hook
		4.2	-14°	10°	.022	71-632-11N	71-632-21N	73-632-11N	73-632-21N	-	Gingival Hook
New 2nd molar single non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	3.25	-14°	10°	.018	71-721-11N	71-721-21N	73-721-11N	73-721-21N	-	Gingival Hook
		3.25	-14°	10°	.022	71-722-11N	71-722-21N	73-722-11N	73-722-21N	-	Gingival Hook
	McBeTr*	3.25	-14°	10°	.018	71-731-11N	71-731-21N	73-731-11N	73-731-21N	-	Gingival Hook
		3.25	-14°	10°	.022	71-732-11N	71-732-21N	73-732-11N	73-732-21N	-	Gingival Hook
1st molar single non-convertible	Edgewise	4.0	0°	0°	.018	71-611-11	71-611-21	73-611-11	73-611-21	-	Gingival Hook
		4.0	0°	0°	.022	71-612-11	71-612-21	73-612-11	73-612-21	-	Gingival Hook
	Roth*	4.0	-14°	10°	.018	71-621-11	71-621-21	73-621-11	73-621-21	-	Gingival Hook
		4.0	-14°	10°	.022	71-622-11	71-622-21	73-622-11	73-622-21	-	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	71-631-11	71-631-21	73-631-11	73-631-21	-	Gingival Hook
		4.0	-14°	10°	.022	71-632-11	71-632-21	73-632-11	73-632-21	-	Gingival Hook
1st molar single convertible	Edgewise	4.0	0°	0°	.018	72-611-11	72-611-21	74-611-11	74-611-21	-	Gingival Hook
		4.0	0°	0°	.022	72-612-11	72-612-21	74-612-11	74-612-21	-	Gingival Hook
	Roth*	4.0	-14°	10°	.018	72-621-11	72-621-21	74-621-11	74-621-21	-	Gingival Hook
		4.0	-14°	10°	.022	72-622-11	72-622-21	74-622-11	74-622-21	-	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	72-631-11	72-631-21	74-631-11	74-631-21	-	Gingival Hook
		4.0	-14°	10°	.022	72-632-11	72-632-21	74-632-11	74-632-21	-	Gingival Hook
1st molar double non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	71-621-12	71-621-22	73-621-12	73-621-22	.045	Gingival Hook
		4.0	-14°	10°	.022	71-622-12	71-622-22	73-622-12	73-622-22	.045	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	71-631-12	71-631-22	73-631-12	73-631-22	.045	Gingival Hook
		4.0	-14°	10°	.022	71-632-12	71-632-22	73-632-12	73-632-22	.045	Gingival Hook
1st molar double convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	72-621-12	72-621-22	74-621-12	74-621-22	.045	Gingival Hook
		4.0	-14°	10°	.022	72-622-12	72-622-22	74-622-12	74-622-22	.045	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	72-631-12	72-631-22	74-631-12	74-631-22	.045	Gingival Hook
		4.0	-14°	10°	.022	72-632-12	72-632-22	74-632-12	74-632-22	.045	Gingival Hook
1st molar double convertible Gingival	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	72-621-12G	72-621-22G	74-621-12G	74-621-22G	.045	Gingival Hook
		4.0	-14°	10°	.022	72-622-12G	72-622-22G	74-622-12G	74-622-22G	.045	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	72-631-12G	72-631-22G	74-631-12G	74-631-22G	.045	Gingival Hook
		4.0	-14°	10°	.022	72-632-12G	72-632-22G	74-632-12G	74-632-22G	.045	Gingival Hook

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BUCCAL TUBE

Buccal Tube Prescription Reference Chart

	System	M/T	Slot Torque	Distal Offset	Slot Size	Bracketside Right	Bracketside Left	Weldside Right	Weldside Left	Auxiliary Slot	Auxiliary Hooks
MAXILLARY											
1st molar double convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	72-621-12S	72-621-22S	74-621-12S	74-621-22S	.018	Gingival Hook
		4.0	-14°	10°	.022	72-622-12S	72-622-22S	74-622-12S	74-622-22S	.018	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	72-631-12S	72-631-22S	74-631-12S	74-631-22S	.018	Gingival Hook
		4.0	-14°	10°	.022	72-632-12S	72-632-22S	74-632-12S	74-632-22S	.018	Gingival Hook
1st molar double non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	71-621-12S	71-621-22S	73-621-12S	73-621-22S	.018	Gingival Hook
		4.0	-14°	10°	.022	71-622-12S	71-622-22S	73-622-12S	73-622-22S	.018	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	71-631-12S	71-631-22S	73-631-12S	73-631-22S	.018	Gingival Hook
		4.0	-14°	10°	.022	71-632-12S	71-632-22S	73-632-12S	73-632-22S	.018	Gingival Hook
1st molar triple non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	71-621-13	71-621-23	73-621-13	73-621-23	.045 .018	Gingival Hook
		4.0	-14°	10°	.022	71-622-13	71-622-23	73-622-13	73-622-23	.045 .022	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	71-631-13	71-631-23	73-631-13	73-631-23	.045 .018	Gingival Hook
		4.0	-14°	10°	.022	71-632-13	71-632-23	73-632-13	73-632-23	.045 .022	Gingival Hook
1st molar triple convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-14°	10°	.018	72-621-13	72-621-23	74-621-13	74-621-23	.045 .018	Gingival Hook
		4.0	-14°	10°	.022	72-622-13	72-622-23	74-622-13	74-622-23	.045 .018	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	72-631-13	72-631-23	74-631-13	74-631-23	.045 .018	Gingival Hook
		4.0	-14°	10°	.022	72-632-13	72-632-23	74-632-13	74-632-23	.045 .018	Gingival Hook
2nd molar single non-convertible	Edgewise	4.0	0°	0°	.018	71-711-11	71-711-21	73-711-11	73-711-21	-	Gingival Hook
		4.0	0°	0°	.022	71-712-11	71-712-21	73-712-11	73-712-21	-	Gingival Hook
	Roth*	4.0	-14°	10°	.018	71-721-11	71-721-21	73-721-11	73-721-21	-	Gingival Hook
		4.0	-14°	10°	.022	71-722-11	71-722-21	73-722-11	73-722-21	-	Gingival Hook
	McBeTr*	4.0	-14°	10°	.018	71-731-11	71-731-21	73-731-11	73-731-21	-	Gingival Hook
		4.0	-14°	10°	.022	71-732-11	71-732-21	73-732-11	73-732-21	-	Gingival Hook
MANDIBULAR											
New 1st molar single non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.5	-14°	10°	.018	71-621-41N	71-621-31N	73-621-41N	73-621-31N	-	Gingival Hook
		4.5	-14°	10°	.022	71-622-41N	71-622-31N	73-622-41N	73-622-31N	-	Gingival Hook
	McBeTr*	4.5	-14°	10°	.018	71-631-41N	71-631-31N	73-631-41N	73-631-31N	-	Gingival Hook
		4.5	-14°	10°	.022	71-632-41N	71-632-31N	73-632-41N	73-632-31N	-	Gingival Hook
New 2nd molar single non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	3.25	-14°	10°	.018	71-721-41N	71-721-31N	73-721-41N	73-721-31N	-	Gingival Hook
		3.25	-14°	10°	.022	71-722-41N	71-722-31N	73-722-41N	73-722-31N	-	Gingival Hook
	McBeTr*	3.25	-14°	10°	.018	71-731-41N	71-731-31N	73-731-41N	73-731-31N	-	Gingival Hook
		3.25	-14°	10°	.022	71-732-41N	71-732-31N	73-732-41N	73-732-31N	-	Gingival Hook

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Buccal Tube Prescription Reference Chart

MANDIBULAR

	System	M/D	Slot Torque	Distal Offset	Slot Size	Bondable Right	Bondable Left	Weldable Right	Weldable Left	Auxiliary Size	Auxiliary Hook
1st molar single non-convertible	Edgewise	4.0	0°	0°	.018	71-611-41	71-611-31	73-611-41	73-611-31	-	Gingival Hook
		4.0	0°	0°	.022	71-612-41	71-612-31	73-612-41	73-612-31	-	Gingival Hook
	Roth*	4.0	-25°	4°	.018	71-621-41	71-621-31	73-621-41	73-621-31	-	Gingival Hook
		4.0	-25°	4°	.022	71-622-41	71-622-31	73-622-41	73-622-31	-	Gingival Hook
	McBeTr*	4.0	-20°	0°	.018	71-631-41	71-631-31	73-631-41	73-631-31	-	Gingival Hook
		4.0	-20°	0°	.022	71-632-41	71-632-31	73-632-41	73-632-31	-	Gingival Hook
1st molar single convertible	Edgewise	4.0	0°	0°	.018	72-611-41	72-611-31	74-611-41	74-611-31	-	Gingival Hook
		4.0	0°	0°	.022	72-612-41	72-612-31	74-612-41	74-612-31	-	Gingival Hook
	Roth*	4.0	-25°	4°	.018	72-621-41	72-621-31	74-621-41	74-621-31	-	Gingival Hook
		4.0	-25°	4°	.022	72-622-41	72-622-31	74-622-41	74-622-31	-	Gingival Hook
	McBeTr*	4.0	-20°	0°	.018	72-631-41	72-631-31	74-631-41	74-631-31	-	Gingival Hook
		4.0	-20°	0°	.022	72-632-41	72-632-31	74-632-41	74-632-31	-	Gingival Hook
1st molar double convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-25°	4°	.018	72-621-42	72-621-32	74-621-42	74-621-32	.045	Gingival Hook
		4.2	-25°	4°	.022	72-622-42	72-622-32	74-622-42	74-622-32	.045	Gingival Hook
	McBeTr*	4.0	-20°	0°	.018	72-631-42	72-631-32	74-631-42	74-631-32	.045	Gingival Hook
		4.0	-20°	0°	.022	72-632-42	72-632-32	74-632-42	74-632-32	.045	Gingival Hook
1st molar double convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-25°	4°	.018	72-621-42S	72-621-32S	74-621-42S	74-621-32S	.018	Gingival Hook
		4.0	-25°	4°	.022	72-622-42S	72-622-32S	74-622-42S	74-622-32S	.018	Gingival Hook
	McBeTr*	4.0	-20°	0°	.018	72-631-42S	72-631-32S	74-631-42S	74-631-32S	.018	Gingival Hook
		4.0	-20°	0°	.022	72-632-42S	72-632-32S	74-632-42S	74-632-32S	.018	Gingival Hook
1st molar double non-convertible	Edgewise	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
	Roth*	4.0	-25°	4°	.018	71-621-42S	71-621-32S	73-621-42S	73-621-32S	.018	Gingival Hook
		4.0	-25°	4°	.022	71-622-42S	71-622-32S	73-622-42S	73-622-32S	.018	Gingival Hook
	McBeTr*	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-
2nd molar single non-convertible	Edgewise	3.2	0°	0°	.018	71-711-41	71-711-31	73-711-41	73-711-31	-	Gingival Hook
		3.2	0°	0°	.022	71-712-41	71-712-31	73-712-41	73-712-31	-	Gingival Hook
	Roth*	3.2	-25°	4°	.018	71-721-41	71-721-31	73-721-41	73-721-31	-	Gingival Hook
		3.2	-25°	4°	.022	71-722-41	71-722-31	73-722-41	73-722-31	-	Gingival Hook
	McBeTr*	3.2	-20°	0°	.018	71-731-41	71-731-31	73-731-41	73-731-31	-	Gingival Hook
		3.2	-20°	0°	.022	71-732-41	71-732-31	73-732-41	73-732-31	-	Gingival Hook

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CERAMIC
BRACKETS

Glacier

The Best Quality Ceramic Self Ligating Bracket
By The Best Quality Durable Ceramic Materia/
The Most Advanced Patented Structure Design
& The Ultimate Smart & Secured Clip Performance.

Smart & Excellent Performance

Oneself Bracket enables you smooth and efficient treatment by advanced design of Bracket Body & Clip with outstanding interaction & structure

Advanced Bonding & Debonding Efficiency

Oneself Bracket enables you the most efficient Bonding & Debonding process by the patented Smart Meshed Base Design.

Simple & Fast Wire Exchange

Oneself Bracket enables you can change Wire in simple & easy way with its Easy Open & Shut Type Interactive Clip.

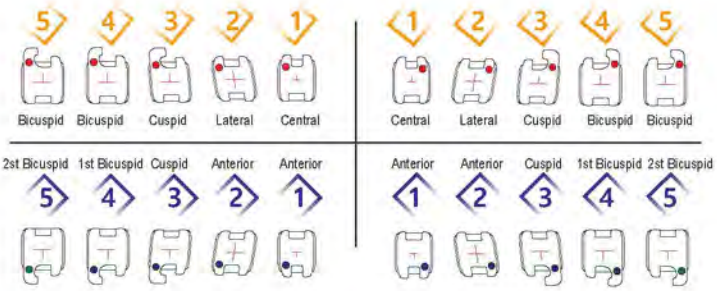
Comfort & Stable Design

Oneself Bracket asures patients the most comfort and stable treatment by patented Smart Design with Curved & contoured structure.

Rhodium Coated Clip

Rhodium Coated Clip for Aesthetic Natural-Friendly effect.

Glacier



▲ Opening tool

Easy Opening

1. Place the opening tool into the hole on brackets clip
2. Simply push down the opening tool for the clip brackets

Archwire Sizes

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

Glacier series Roth* bracket kits

	.018 in.	.022 in.
U5-5, L5-5	KIT34-211-00	KIT34-221-00
U5-5, L5-5Hook on 3、4&5	KIT34-211-00CBCHK	KIT34-221-00CBCHK
U5-5, L5-5Hook on 3	KIT34-211-00CHK	KIT34-221-00CHK
U3-3, L3-3	KIT34-211-01	KIT34-221-01
U3-3, L3-3 Hook on 3	KIT34-211-01CHK	KIT34-221-01CHK
U3-3	KIT34-211-53	KIT34-221-53
U3-3 Hook on 3	KIT34-211-53CHK	KIT34-221-53CHK
U5-5	KIT34-211-55	KIT34-221-55
U5-5 Hook on 3、4&5	KIT34-211-55CBCHK	KIT34-221-55CBCHK
U5-5 Hook on 3	KIT34-211-55CHK	KIT34-221-55CHK
L3-3	KIT34-211-63	KIT34-221-63
L3-3 Hook on 3	KIT34-211-63CHK	KIT34-221-63CHK
L5-5	KIT34-211-65	KIT34-221-65
L5-5 Hook on 3、4&5	KIT34-211-65CBCHK	KIT34-221-65CBCHK
L5-5 Hook on 3	KIT34-211-65CHK	KIT34-221-65CHK

MAXILLARY

Roth* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	-	-	UR	●	-	34-211-11	34-221-11
					UL	●		34-211-21	34-221-21
Lateral (U2)	+8°	+9°	-	-	UR	●	-	34-211-12	34-221-12
					UL	●		34-211-22	34-221-22
Cuspid (U3)	-2°	+9°	-	-	UR	●	-	34-211-13	34-221-13
					UL	●		34-211-23	34-221-23
					UR	●	D	34-211-13HK	34-221-13HK
					UL	●		34-211-23HK	34-221-23HK
Bicuspid (U4)	-7°	0°	-	-	UR	●	-	34-211-14	34-221-14
					UL	●		34-211-24	34-221-24
					UR	●	D	34-211-14HK	34-221-14HK
					UL	●		34-211-24HK	34-221-24HK
Bicuspid (U5)	-7°	0°	-	-	UR	●	-	34-211-15	34-221-15
					UL	●		34-211-25	34-221-25
					UR	●	D	34-211-15HK	34-221-15HK
					UL	●		34-211-22HK	34-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	-	-	LR	●	-	34-211-41	34-221-41
					LL	●		34-211-31	34-221-31
Anteriors (L2)	-1°	0°	-	-	LR	●	-	34-211-42	34-221-42
					LL	●		34-211-32	34-221-32
Cuspid (L3)	-11°	+7°	-	-	LR	●	-	34-211-43	34-221-43
					LL	●		34-211-33	34-221-33
					LR	●	D	34-211-43HK	34-221-43HK
					LL	●		34-211-33HK	34-221-33HK
1st Bicuspid (L4)	-17°	0°	-	-	LR	●	-	34-211-44	34-221-44
					LL	●		34-211-34	34-221-34
					LR	●	D	34-211-44HK	34-221-44HK
					LL	●		34-211-34HK	34-221-34HK
2nd Bicuspid (L5)	-22°	6°	-	-	LR	●	-	34-211-45	34-221-45
					LL	●		34-211-35	34-221-35
					LR	●	D	34-211-45HK	34-221-45HK
					LL	●		34-211-35HK	34-221-35HK

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Glacier Aesthetic Self-ligating Brackets

Glacier series McBeTr* bracket kits

	.018 in.	.022 in.
U5-5, L5-5	KIT34-311-00	KIT34-321-00
U5-5, L5-5CBCHK	KIT34-311-00CBCHK	KIT34-321-00CBCHK
U5-5, L5-5CHK	KIT34-311-00CHK	KIT34-321-00CHK
U3-3, L3-3	KIT34-311-01	KIT34-321-01
U3-3, L3-3CHK	KIT34-311-01CHK	KIT34-321-01CHK
U3-3	KIT34-311-53	KIT34-321-53
U3-3CHK	KIT34-311-53CHK	KIT34-321-53CHK
U5-5	KIT34-311-55	KIT34-321-55
U5-5CBCHK	KIT34-311-55CBCHK	KIT34-321-55CBCHK
U5-5CHK	KIT34-311-55CHK	KIT34-321-55CHK
L3-3	KIT34-311-63	KIT34-321-63
L3-3CHK	KIT34-311-63CHK	KIT34-321-63CHK
L5-5	KIT34-311-65	KIT34-321-65
L5-5CBCHK	KIT34-311-65CBCHK	KIT34-321-65CBCHK
L5-5CHK	KIT34-311-65CHK	KIT34-321-65CHK

MAXILLARY — McBeTr® Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	-	-	UR	●	-	-	34-321-11
	+10°				UL	●			34-321-21
Lateral (U2)	+17°	+8°	-	-	UR	●	-	-	34-321-12
	+10°				UL	●			34-321-22
Cuspid (U3)	-7°	+8°	-	-	UR	●	-	-	34-321-13
					UL	●			34-321-23
					UR	●	D	-	34-321-13HK
					UL	●			34-321-23HK
Bicuspid (U4)	-7°	0°	-	-	UR	●	-	-	34-321-14
					UL	●			34-321-24
					UR	●	D	-	34-321-14HK
					UL	●			34-321-24HK
Bicuspid (U5)	-7°	0°	-	-	UR	●	-	-	34-321-15
					UL	●			34-321-25
					UR	●	D	-	34-321-15HK
					UL	●			34-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	●	-	-	34-321-41
					LL	●			34-321-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	●	-	-	34-321-42
					LL	●			34-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR	●	-	-	34-321-43
					LL	●			34-321-33
					LR	●	D	-	34-321-43HK
					LL	●			34-321-33HK
1st Bicuspid (L4)	-12° -17°	+2°	0°	3	LR	●	-	-	34-321-44
					LL	●			34-321-34
					LR	●	D	-	34-321-44HK
					LL	●			34-321-34HK
2nd Bicuspid (L5)	-17°	+2°	0°	3	LR	●	-	-	34-321-45
					LL	●			34-321-35
					LR	●	D	-	34-321-45HK
					LL	●			34-321-35HK

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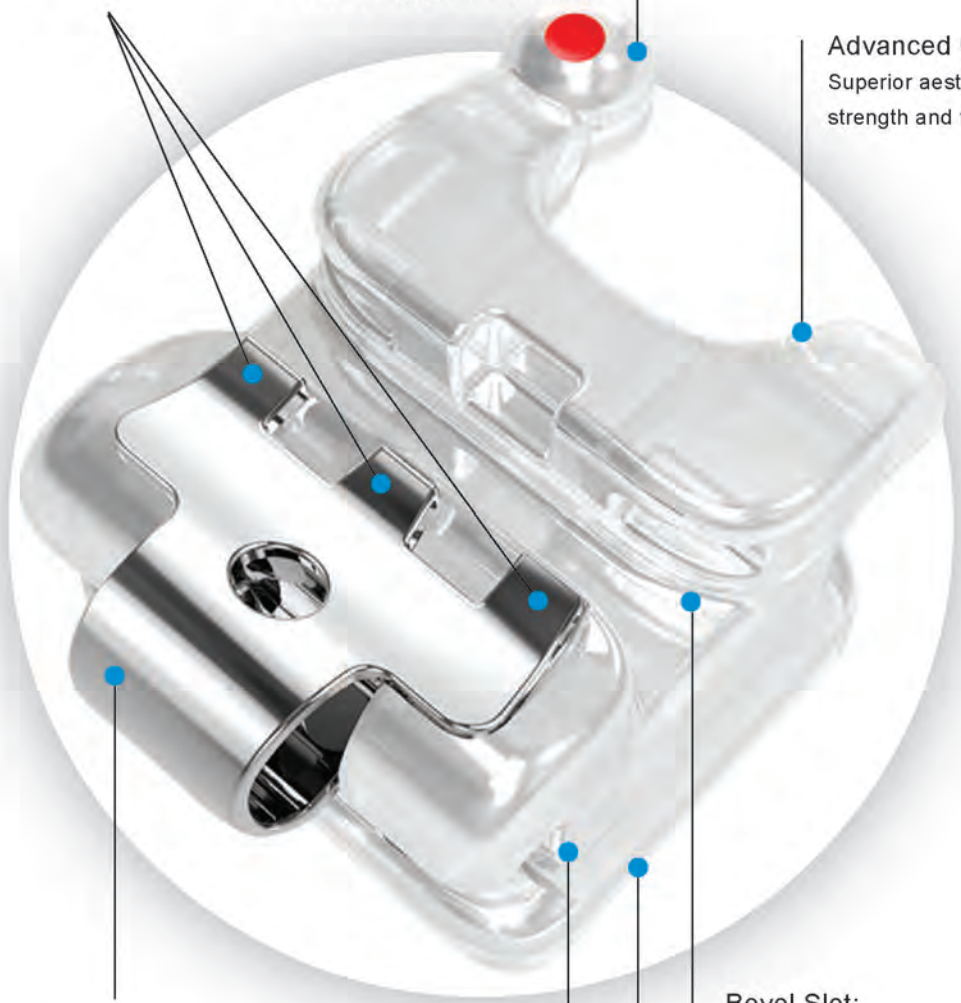
Glacier II



Three Finger Mechanism:
Secures the archwire in the slot while preventing mesial-distal movement

Smooth Rounded Hook Design
For added patient comfort and secure engagement of elastics

Advanced Ceramic Material
Superior aesthetic appearance strength and fracture resistance

Nickel-Titanium Tension Clip:
Exceptionnal memory properties ensures reliable open and closing for the entire length of treatment

Tie Wing:
Ample undercuts for use of elastic chains and other ligation auxiliaries

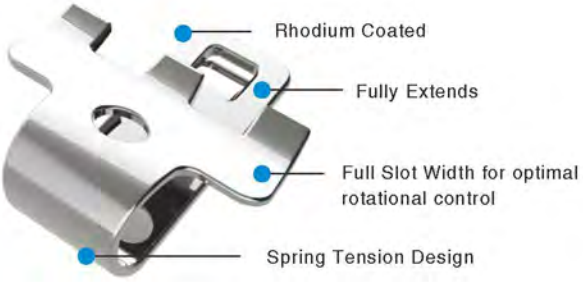
Bevel Slot:
Optimizes sliding mechanics and minimizes archwire binding and crimping

Triple X Base:
Superior mechanical bonding with reliable and consistent debonding

Glacier II Aesthetic Self-ligating Brackets

Triple Bevel Slot

Optimizes sliding mechanics and minimizes archwire binding and crimping



Triple X Base

Superior mechanical bonding with reliable and consistent debonding

Glacier Ⅱ series Roth* bracket kits

	.018 in.	.022 in.
U5-5, L5-5	KIT35-211-00	KIT35-221-00
U5-5, L5-5Hook on 3、4&5	KIT35-211-00CBCHK	KIT35-221-00CBCHK
U5-5, L5-5Hook on 3	KIT35-211-00CHK	KIT35-221-00CHK
U3-3, L3-3	KIT35-211-01	KIT35-221-01
U3-3, L3-3 Hook on 3	KIT35-211-01CHK	KIT35-221-01CHK
U3-3	KIT35-211-53	KIT35-221-53
U3-3 Hook on 3	KIT35-211-53CHK	KIT35-221-53CHK
U5-5	KIT35-211-55	KIT35-221-55
U5-5 Hook on 3、4&5	KIT35-211-55CBCHK	KIT35-221-55CBCHK
U5-5 Hook on 3	KIT35-211-55CHK	KIT35-221-55CHK
L3-3	KIT35-211-63	KIT35-221-63
L3-3 Hook on 3	KIT35-211-63CHK	KIT35-221-63CHK
L5-5	KIT35-211-65	KIT35-221-65
L5-5 Hook on 3、4&5	KIT35-211-65CBCHK	KIT35-221-65CBCHK
L5-5 Hook on 3	KIT35-211-65CHK	KIT35-221-65CHK

MAXILLARY

Roth* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	-	-	UR	●	-	35-211-11	35-221-11
					UL	●		35-211-21	35-221-21
Lateral (U2)	+8°	+9°	-	-	UR	●	-	35-211-12	35-221-12
					UL	●		35-211-22	35-221-22
Cuspid (U3)	-2°	+11°	-	-	UR	●	-	35-211-13	35-221-13
					UL	●		35-211-23	35-221-23
					UR	●	D	35-211-13HK	35-221-13HK
					UL	●		35-211-23HK	35-221-23HK
Bicuspid (U4)	-7°	0°	-	-	UR	●	-	35-211-14	35-221-14
					UL	●		35-211-24	35-221-24
					UR	●	D	35-211-14HK	35-221-14HK
					UL	●		35-211-24HK	35-221-24HK
Bicuspid (U5)	-7°	0°	-	-	UR	●	-	35-211-15	35-221-15
					UL	●		35-211-25	35-221-25
					UR	●	D	35-211-15HK	35-221-15HK
					UL	●		35-211-22HK	35-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	-	-	LR	●	-	35-211-41	35-221-41
					LL	●		35-211-31	35-221-31
Anteriors (L2)	0°	0°	-	-	LR	●	-	35-211-42	35-221-42
					LL	●		35-211-32	35-221-32
Cuspid (L3)	-11°	+6°	-	-	LR	●	-	35-211-43	35-221-43
					LL	●		35-211-33	35-221-33
					LR	●	D	35-211-43HK	35-221-43HK
					LL	●		35-211-33HK	35-221-33HK
1st Bicuspid (L4) (Metal SLB)	-17°	0°	-	-	LR	●	-	35-211-44	35-221-44
					LL	●		35-211-34	35-221-34
					LR	●	D	35-211-44HK	35-221-44HK
					LL	●		35-211-34HK	35-221-34HK
2nd Bicuspid (L5) (Metal SLB)	-22°	0°	-	-	LR	●	-	35-211-45	35-221-45
					LL	●		35-211-35	35-221-35
					LR	●	D	35-211-45HK	35-221-45HK
					LL	●		35-211-35HK	35-221-35HK

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Glacier ‖ Aesthetic Self-ligating Brackets

Glacier ‖ series McBeTr* bracket kits

	.018 in.	.022 in.
U5-5, L5-5	KIT35-311-00	KIT35-321-00
U5-5, L5-5Hook on 3、4&5	KIT35-311-00CBCHK	KIT35-321-00CBCHK
U5-5, L5-5Hook on 3	KIT35-311-00CHK	KIT35-321-00CHK
U3-3, L3-3	KIT35-311-01	KIT35-321-01
U3-3, L3-3 Hook on 3	KIT35-311-01CHK	KIT35-321-01CHK
U3-3	KIT35-311-53	KIT35-321-53
U3-3 Hook on 3	KIT35-311-53CHK	KIT35-321-53CHK
U5-5	KIT35-311-55	KIT35-321-55
U5-5 Hook on 3、4&5	KIT35-311-55CBCHK	KIT35-321-55CBCHK
U5-5 Hook on 3	KIT35-311-55CHK	KIT35-321-55CHK
L3-3	KIT35-311-63	KIT35-321-63
L3-3 Hook on 3	KIT35-311-63CHK	KIT35-321-63CHK
L5-5	KIT35-311-65	KIT35-321-65
L5-5 Hook on 3、4&5	KIT35-311-65CBCHK	KIT35-321-65CBCHK
L5-5 Hook on 3	KIT35-311-65CHK	KIT35-321-65CHK

MAXILLARY — McBeTr* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	-	-	UR	●	-	35-311-11	35-321-11
					UL	●		35-311-21	35-321-21
Lateral (U2)	+10°	+8°	-	-	UR	●	-	35-311-12	35-321-12
					UL	●		35-311-22	35-321-22
Cuspid (U3)	-7°	+8°	-	-	UR	●	-	35-311-13	35-321-13
					UL	●		35-311-23	35-321-23
					UR	●	D	35-311-13HK	35-321-13HK
					UL	●		35-311-23HK	35-321-23HK
Bicuspid (U4)	-7°	0°	-	-	UR	●	-	35-311-14	35-321-14
					UL	●		35-311-24	35-321-24
					UR	●	D	35-311-14HK	35-321-14HK
					UL	●		35-311-24HK	35-321-24HK
Bicuspid (U5)	-7°	0°	-	-	UR	●	-	35-311-15	35-321-15
					UL	●		35-311-25	35-321-25
					UR	●	D	35-311-15HK	35-321-15HK
					UL	●		35-311-22HK	35-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	-	-	LR	●	-	35-311-41	35-321-41
					LL	●		35-311-31	35-321-31
Anteriors (L2)	-6°	0°	-	-	LR	●	-	35-311-42	35-321-42
					LL	●		35-311-32	35-321-32
Cuspid (L3)	-5°	+3°	-	-	LR	●	-	35-311-43	35-321-43
					LL	●		35-311-33	35-321-33
					LR	●	D	35-311-43HK	35-321-43HK
					LL	●		35-311-33HK	35-321-33HK
1st Bicuspid (L4) (Metal SLB)	+12°	+2°	-	-	LR	●	-	35-311-44	35-321-44
					LL	●		35-311-34	35-321-34
					LR	●	D	35-311-44HK	35-321-44HK
					LL	●		35-311-34HK	35-321-34HK
2nd Bicuspid (L5) (Metal SLB)	+12°	+2°	-	-	LR	●	-	35-311-45	35-321-45
					LL	●		35-311-35	35-321-35
					LR	●	D	35-311-45HK	35-321-45HK
					LL	●		35-311-35HK	35-321-35HK

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Sapphire

- Biocompatibility Test Report
. The First certified brackets by GLP in Korea
. Suitable dimensions and shapes for ISO standard

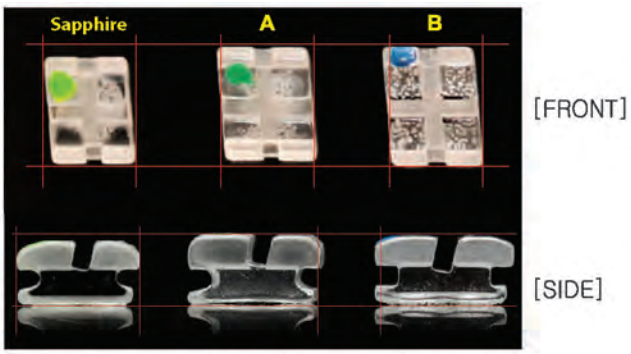
- Silica Coating
. More Durability, Less Breakage
. Excellent Sliding the same as Metal Brackets

- Esthetic Qualitiy
. Superior Transparency : not only flat surface but also rounded edge

- Base Curvature
. The most suitable curvature for teeth

-Comfort
. Low profile
. Minimal contact to soft tissue
. Smooth surface & Rounded Wing

- Circular Base Treatment
. Stable Bonding & Easy Debonding



▼ comparison of Sapphire and Others

Sapphire Ceramic Brackets

Sapphire series Roth* bracket kits

	.018 in.	.022 in.
U5-5, L5-5	KIT33-211-00	KIT33-221-00
U5-5, L5-5Hook on 3、4&5	KIT33-211-00CBCHK	KIT33-221-00CBCHK
U5-5, L5-5Hook on 3	KIT33-211-00CHK	KIT33-221-00CHK
U3-3, L3-3	KIT33-211-01	KIT33-221-01
U3-3, L3-3 Hook on 3	KIT33-211-01CHK	KIT33-221-01CHK
U3-3	KIT33-211-53	KIT33-221-53
U3-3 Hook on 3	KIT33-211-53CHK	KIT33-221-53CHK
U5-5	KIT33-211-55	KIT33-221-55
U5-5 Hook on 3、4&5	KIT33-211-55CBCHK	KIT33-221-55CBCHK
U5-5 Hook on 3	KIT33-211-55CHK	KIT33-221-55CHK
L3-3	KIT33-211-63	KIT33-221-63
L3-3 Hook on 3	KIT33-211-63CHK	KIT33-221-63CHK
L5-5	KIT33-211-65	KIT33-221-65
L5-5 Hook on 3、4&5	KIT33-211-65CBCHK	KIT33-221-65CBCHK
L5-5 Hook on 3	KIT33-211-65CHK	KIT33-221-65CHK

MAXILLARY

Roth* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+11°	+5°	0°	3.6	UR	●	-	33-211-11	33-221-11
					UL	●		33-211-21	33-221-21
Lateral (U2)	+8°	+9°	0°	3	UR	●	-	33-211-12	33-221-12
					UL	●		33-211-22	33-221-22
Cuspid (U3)	-2°	+8°	0°	3.2	UR	●	-	33-211-13	33-221-13
					UL	●		33-211-23	33-221-23
					UR	●	D	33-211-13HK	33-221-13HK
					UL	●		33-211-23HK	33-221-23HK
Bicuspid (U4)	-7°	0°	0°	3.2	UR	●	-	33-211-14	33-221-14
					UL	●		33-211-24	33-221-24
					UR	●	D	33-211-14HK	33-221-14HK
					UL	●		33-211-24HK	33-221-24HK
Bicuspid (U5)	-7°	0°	0°	3.2	UR	●	-	33-211-15	33-221-15
					UL	●		33-211-25	33-221-25
					UR	●	D	33-211-15HK	33-221-15HK
					UL	●		33-211-22HK	33-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	0°	0°	2.6	LR	●	-	33-211-41	33-221-41
					LL	●		33-211-31	33-221-31
Anteriors (L2)	-1°	0°	0°	2.6	LR	●	-	33-211-42	33-221-42
					LL	●		33-211-32	33-221-32
Cuspid (L3)	-11°	+7°	0°	3.2	LR	●	-	33-211-43	33-221-43
					LL	●		33-211-33	33-221-33
					LR	●	D	33-211-43HK	33-221-43HK
					LL	●		33-211-33HK	33-221-33HK
1st Bicuspid (L4)	-17°	3°	0°	3.2	LR	●	-	33-211-44	33-221-44
					LL	●		33-211-34	33-221-34
					LR	●	D	33-211-44HK	33-221-44HK
					LL	●		33-211-34HK	33-221-34HK
2nd Bicuspid (L5)	-21°	6°	0°	3.2	LR	●	-	33-211-45	33-221-45
					LL	●		33-211-35	33-221-35
					LR	●	D	33-211-45HK	33-221-45HK
					LL	●		33-211-35HK	33-221-35HK

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Sapphire series McBeTr* bracket kits

	.018 in.	.022 in.
U5-5, L5-5	KIT33-311-00	KIT33-321-00
U5-5, L5-5CBCHK	KIT33-311-00CBCHK	KIT33-321-00CBCHK
U5-5, L5-5CHK	KIT33-311-00CHK	KIT33-321-00CHK
U3-3, L3-3	KIT33-311-01	KIT33-321-01
U3-3, L3-3CHK	KIT33-311-01CHK	KIT33-321-01CHK
U3-3	KIT33-311-53	KIT33-321-53
U3-3CHK	KIT33-311-53CHK	KIT33-321-53CHK
U5-5	KIT33-311-55	KIT33-321-55
U5-5CBCHK	KIT33-311-55CBCHK	KIT33-321-55CBCHK
U5-5CHK	KIT33-311-55CHK	KIT33-321-55CHK
L3-3	KIT33-311-63	KIT33-321-63
L3-3CHK	KIT33-311-63CHK	KIT33-321-63CHK
L5-5	KIT33-311-65	KIT33-321-65
L5-5CBCHK	KIT33-311-65CBCHK	KIT33-321-65CBCHK
L5-5CHK	KIT33-311-65CHK	KIT33-321-65CHK

MAXILLARY — McBeTr* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR	●	-	33-311-11	33-321-11
					UL	●		33-311-21	33-321-21
Lateral (U2)	+10°	+8°	0°	3	UR	●	-	33-311-12	33-321-12
					UL	●		33-311-22	33-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR	●	-	33-311-13	33-321-13
					UL	●		33-311-23	33-321-23
					UR	●	D	33-311-13HK	33-321-13HK
					UL	●		33-311-23HK	33-321-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR	●	-	33-311-14	33-321-14
					UL	●		33-311-24	33-321-24
					UR	●	D	33-311-14HK	33-321-14HK
					UL	●		33-311-24HK	33-321-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR	●	-	33-311-15	33-321-15
					UL	●		33-311-25	33-321-25
					UR	●	D	33-311-15HK	33-321-15HK
					UL	●		33-311-25HK	33-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	●	-	33-311-41	33-321-41
					LL	●		33-311-31	33-321-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	●	-	33-311-42	33-321-42
					LL	●		33-311-32	33-321-32
Cuspid (L3)	0°	+3°	0°	3	LR	●	-	33-311-43	33-321-43
					LL	●		33-311-33	33-321-33
					LR	●	D	33-311-43HK	33-321-43HK
					LL	●		33-311-33HK	33-321-33HK
1st Bicuspid (L4)	-12°	+2°	0°	3	LR	●	-	33-311-44	33-321-44
					LL	●		33-311-34	33-321-34
					LR	●	D	33-311-44HK	33-321-44HK
					LL	●		33-311-34HK	33-321-34HK
2nd Bicuspid (L5)	-17°	+2°	0°	3	LR	●	-	33-311-45	33-321-45
					LL	●		33-311-35	33-321-35
					LR	●	D	33-311-45HK	33-321-45HK
					LL	●		33-311-35HK	33-321-35HK

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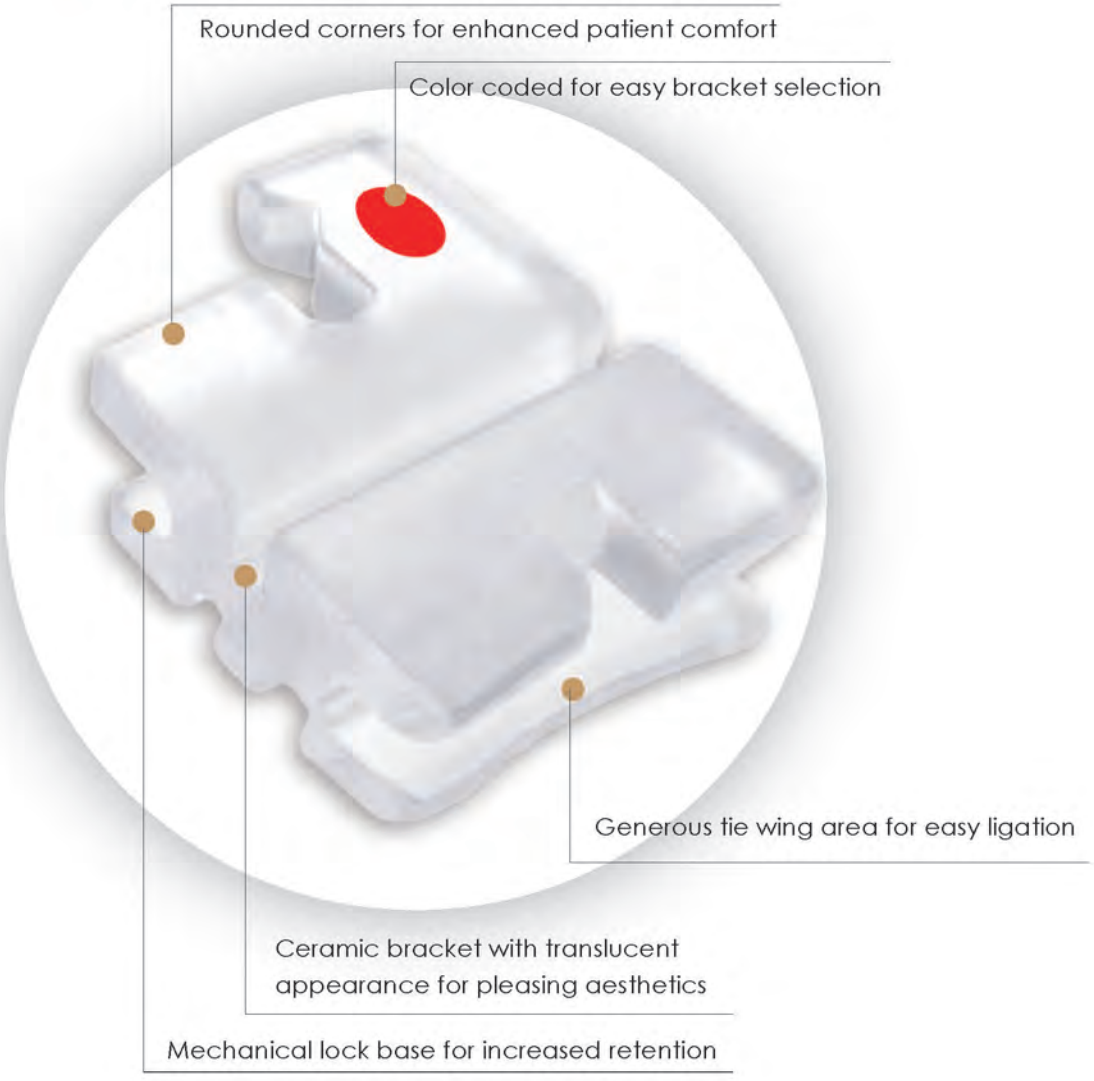
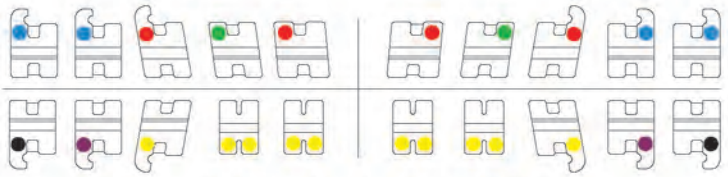
AMORA



Amora aesthetic brackets applied to a demonstration model

BRACKET I.D. CHART



Amora series Edgewise bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT31-111-00	KIT31-121-00
U/L 5×5 Hook on 3	KIT31-111-00CHK	KIT31-121-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT31-111-00CBCHK	KIT31-121-00CBCHK

MAXILLARY

Edgewise Bracket

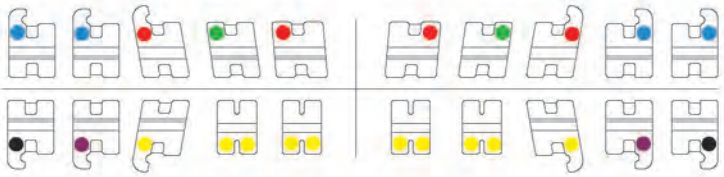
Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	0°	0°	0°	3.6	UR	●	-	31-111-11	31-121-11
					UL	●		31-111-21	31-121-21
Lateral (U2)	0°	0°	0°	3	UR	●	-	31-111-12	31-121-12
					UL	●		31-111-22	31-121-22
Cuspid (U3)	0°	0°	0°	3.2	UR	●	-	31-111-13	31-121-13
					UL	●		31-111-23	31-121-23
					UR	●	D	31-111-13HK	31-121-13HK
					UL	●		31-111-23HK	31-121-23HK
Bicuspid (U4)	0°	0°	0°	3.2	UR	●	-	31-111-14	31-121-14
					UL	●		31-111-24	31-121-24
					UR	●	D	31-111-14HK	31-121-14HK
					UL	●		31-111-24HK	31-121-24HK
Bicuspid (U5)	0°	0°	0°	3.2	UR	●	-	31-111-15	31-121-15
					UL	●		31-111-25	31-121-25
					UR	●	D	31-111-15HK	31-121-15HK
					UL	●		31-111-25HK	31-121-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	0°	0°	0°	2.6	LR	●	-	31-111-41	31-121-41
					LL	●		31-111-31	31-121-31
Anteriors (L2)	0°	0°	0°	2.6	LR	●	-	31-111-42	31-121-42
					LL	●		31-111-32	31-121-32
Cuspid (L3)	0°	0°	0°	3.2	LR	●	-	31-111-43	31-121-43
					LL	●		31-111-33	31-121-33
					LR	●	D	31-111-43HK	31-121-43HK
					LL	●		31-111-33HK	31-121-33HK
1st Bicuspid (L4)	0°	0°	0°	3.2	LR	●	-	31-111-44	31-121-44
					LL	●		31-111-34	31-121-34
					LR	●	D	31-111-44HK	31-121-44HK
					LL	●		31-111-34HK	31-121-34HK
2nd Bicuspid (L5)	0°	0°	0°	3.2	LR	●	-	31-111-45	31-121-45
					LL	●		31-111-35	31-121-35
					LR	●	D	31-111-45HK	31-121-45HK
					LL	●		31-111-35HK	31-121-35HK

Amora Ceramic brackets

BRACKET I.D. CHART



Amora series Roth* bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT31-211-00	KIT31-221-00
U/L 5×5 Hook on 3	KIT31-211-00CHK	KIT31-221-00CHK
U/L 5×5 Hook on 3, 4 & 5	KIT31-211-00CBCHK	KIT31-221-00CBCHK

MAXILLARY

Roth* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+12°	+5°	0°	3.6	UR	red	-	31-211-11	31-221-11
					UL	red		31-211-21	31-221-21
Lateral (U2)	+8°	+9°	0°	3	UR	green	-	31-211-12	31-221-12
					UL	green		31-211-22	31-221-22
Cuspid (U3)	-2°	+13°	0°	3.2	UR	red	-	31-211-13	31-221-13
					UL	red		31-211-23	31-221-23
					UR	red	D	31-211-13HK	31-221-13HK
					UL	red		31-211-23HK	31-221-23HK
Bicuspid (U4)	-7°	0°	0°	3.2	UR	blue	-	31-211-14	31-221-14
					UL	blue		31-211-24	31-221-24
					UR	blue	D	31-211-14HK	31-221-14HK
					UL	blue		31-211-24HK	31-221-24HK
Bicuspid (U5)	-7°	0°	0°	3.2	UR	blue	-	31-211-15	31-221-15
					UL	blue		31-211-25	31-221-25
					UR	blue	D	31-211-15HK	31-221-15HK
					UL	blue		31-211-22HK	31-221-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-1°	+2°	0°	2.6	LR	red	-	31-211-41	31-221-41
					LL	red		31-211-31	31-221-31
Anteriors (L2)	-1°	+2°	0°	2.6	LR	red	-	31-211-42	31-221-42
					LL	red		31-211-32	31-221-32
Cuspid (L3)	-11°	+7°	0°	3.2	LR	yellow	-	31-211-43	31-221-43
					LL	yellow		31-211-33	31-221-33
					LR	yellow	D	31-211-43HK	31-221-43HK
					LL	yellow		31-211-33HK	31-221-33HK
1st Bicuspid (L4)	-17°	-1°	0°	3.2	LR	yellow	-	31-211-44	31-221-44
					LL	yellow		31-211-34	31-221-34
					LR	yellow	D	31-211-44HK	31-221-44HK
					LL	yellow		31-211-34HK	31-221-34HK
2nd Bicuspid (L5)	-22°	-1°	0°	3.2	LR	purple	-	31-211-45	31-221-45
					LL	purple		31-211-35	31-221-35
					LR	black	D	31-211-45HK	31-221-45HK
					LL	black		31-211-35HK	31-221-35HK

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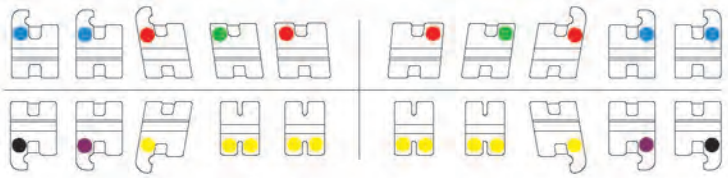
BRACKET I.D. CHART



Amora series McBeTr* bracket kits

	.018 in.	.022 in.
U/L 5×5	KIT31-311-00	KIT31-321-00
U/L 5×5 Hook on 3	KIT31-311-00CHK	KIT31-321-00CHK
U/L 5×5 Hook on 3、4 & 5	KIT31-311-00CBCHK	KIT31-321-00CBCHK

MAXILLARY

McBeTr* Bracket

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Central (U1)	+17°	+4°	0°	3.4	UR	red	-	31-311-11	31-321-11
					UL	red		31-311-21	31-321-21
Lateral (U2)	+10°	+8°	0°	3	UR	green	-	31-311-12	31-321-12
					UL	green		31-311-22	31-321-22
Cuspid (U3)	-7°	+8°	0°	3	UR	red	-	31-311-13	31-321-13
					UL	red		31-311-23	31-321-23
					UR	red	D	31-311-13HK	31-321-13HK
					UL	red		31-311-23HK	31-321-23HK
Bicuspid (U4)	-7°	0°	0°	3	UR	blue	-	31-311-14	31-321-14
					UL	blue		31-311-24	31-321-24
					UR	blue	D	31-311-14HK	31-321-14HK
					UL	blue		31-311-24HK	31-321-24HK
Bicuspid (U5)	-7°	0°	0°	3	UR	blue	-	31-311-15	31-321-15
					UL	blue		31-311-25	31-321-25
					UR	blue	D	31-311-15HK	31-321-15HK
					UL	blue		31-311-25HK	31-321-25HK

MANDIBULAR

Tooth	Torque	Angle	Offset	M/D in mm	R/L	Color Code	Hook	Item Number .018	Item Number .022
Anteriors (L1)	-6°	0°	0°	2.4	LR	red	-	31-311-41	31-321-41
					LL	red		31-311-31	31-321-31
Anteriors (L2)	-6°	0°	0°	2.4	LR	red	-	31-311-42	31-321-42
					LL	red		31-311-32	31-321-32
Cuspid (L3)	-6°	+3°	0°	3	LR	yellow	-	31-311-43	31-321-43
					LL	yellow		31-311-33	31-321-33
					LR	yellow	D	31-311-43HK	31-321-43HK
					LL	yellow		31-311-33HK	31-321-33HK
1st Bicuspid (L4)	-12°	+2°	0°	3	LR	yellow	-	31-311-44	31-321-44
					LL	yellow		31-311-34	31-321-34
					LR	yellow	D	31-311-44HK	31-321-44HK
					LL	yellow		31-311-34HK	31-321-34HK
2nd Bicuspid (L5)	-17°	+2°	0°	3	LR	purple	-	31-311-45	31-321-45
					LL	purple		31-311-35	31-321-35
					LR	black	D	31-311-45HK	31-321-45HK
					LL	black		31-311-35HK	31-321-35HK

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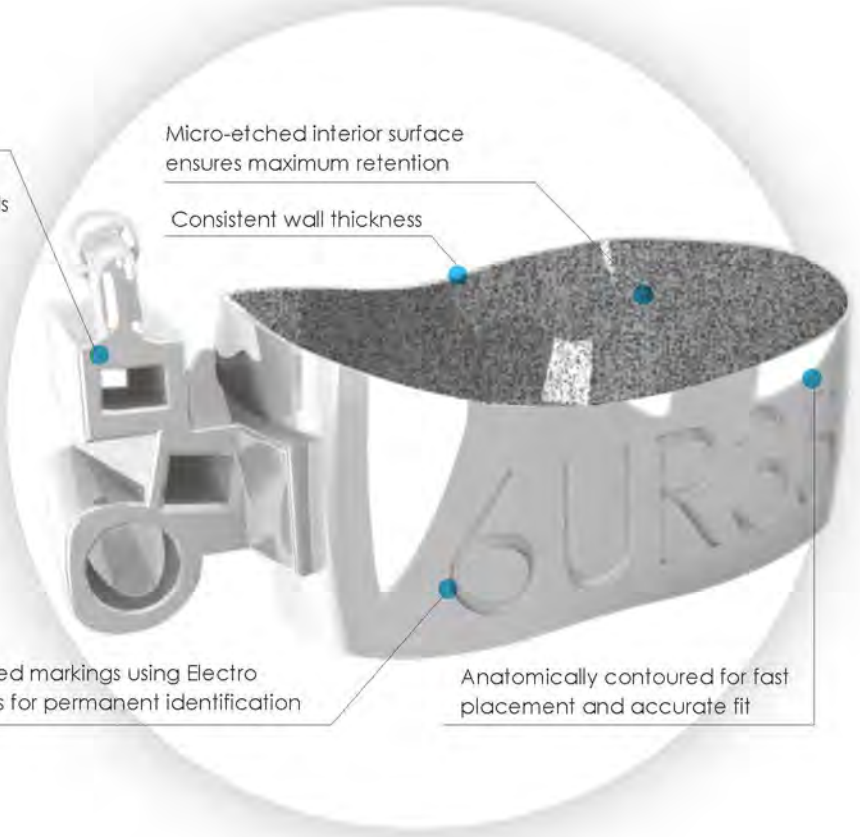
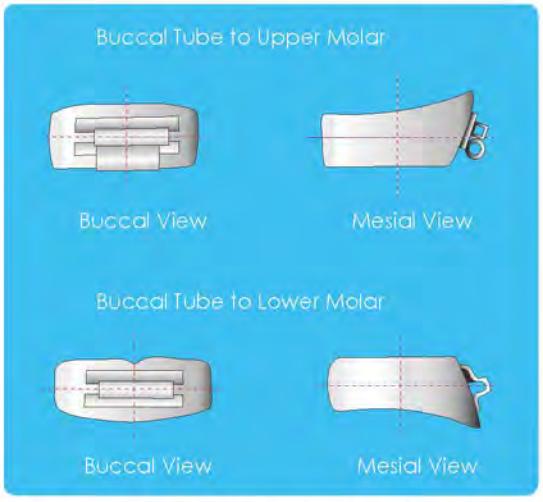
BANDS & ATTACHMENTS

BANDS





- Buccal tube will be centered mesial to distal, and occlusal to gingival with 0° angulation
- Slot will be parallel to occlusal edge of band

- Plastic band organizer with lid
- Plastic band organizers are designed for proper band storage and will fit most band cabinets, including kit purchase

BANDS

IMD Easy Fit	Ortho Technology	"A" Company	GAC Snaptit	Lancer Supra	Ormco Washban	TP	Unitek Victory Std
-	29		2			29	29
-	29.5					29.5	29.5
		1	3		1		
					00		
31	30	2		30	2	30	30
31.5	30.5	3	4	30.5		30.5	30.5
					3		
		4					
32	31	5		31	4	31	31
		6	5		5		
32.5	31.5			31.5		31.5	31.5
33	32	7		32	6	32	32
33.5	32.5	8	6	32.5		32.5	32.5
34	33	9		33	8	33	33
					9		
34.5	33.5	10	7	33.5	10	33.5	33.5
35	34			34		34	34
		11					
35.5	34.5	12	8	34.5	11	34.5	34.5
		13			12		
36	35	14	9	35	13	35	35
36.5	35.5	15	10	35.5	14	35.5	35.5
			11		15		
37	36	16	12	36		36	36
		17					
			13		17		
37.5	36.5	18	14	36.5		36.5	36.5
38	37			37	18	37	37
		19	15				
38.5	37.5		16	37.5	19	37.5	37.5
		20					
			17	38	20	38	38
39	38	21	18		21		
		22			22		
39.5	38.5	23		38.5		38.5	38.5
40	39	24		39	24	39	39
40.5	39.5	25		39.5	26	39.5	39.5
					27		
		26					
41	40			40	28	40	40
41.5	40.5	27		40.5		40.5	40.5
		29			29		
42	41			41	30	41	41
42.5	41.5	30		41.5	31	41.5	41.5
43	42			42		42	42
43.5	42.5			42.5	32	42.5	42.5
44	43			43		43	43
-	43.5			43.5		43.5	43.5
-	44			44		44	44

Bands Prescription Reference Chart

BANDS

Perimeter MM	Maxillary 1st Molar Right	Left	Maxillary 2nd Molar Right	Left	Mandibular 1st Molar Right	Left	Mandibular Right
31	81-612-310	81-622-310	81-712-310	81-722-310	81-642-310	81-632-310	81-742-310	81-732-310
31.5	81-612-315	81-622-315	81-712-315	81-722-315	81-642-315	81-632-315	81-742-315	81-732-315
32	81-612-320	81-622-320	81-712-320	81-722-320	81-642-320	81-632-320	81-742-320	81-732-320
32.5	81-612-325	81-622-325	81-712-325	81-722-325	81-642-325	81-632-325	81-742-325	81-732-325
33	81-612-330	81-622-330	81-712-330	81-722-330	81-642-330	81-632-330	81-742-330	81-732-330
33.5	81-612-335	81-622-335	81-712-335	81-722-335	81-642-335	81-632-335	81-742-335	81-732-335
34	81-612-340	81-622-340	81-712-340	81-722-340	81-642-340	81-632-340	81-742-340	81-732-340
34.5	81-612-345	81-622-345	81-712-345	81-722-345	81-642-345	81-632-345	81-742-345	81-732-345
35	81-612-350	81-622-350	81-712-350	81-722-350	81-642-350	81-632-350	81-742-350	81-732-350
35.5	81-612-355	81-622-355	81-712-355	81-722-355	81-642-355	81-632-355	81-742-355	81-732-355
36	81-612-360	81-622-360	81-712-360	81-722-360	81-642-360	81-632-360	81-742-360	81-732-360
36.5	81-612-365	81-622-365	81-712-365	81-722-365	81-642-365	81-632-365	81-742-365	81-732-365
37	81-612-370	81-622-370	81-712-370	81-722-370	81-642-370	81-632-370	81-742-370	81-732-370
37.5	81-612-375	81-622-375	81-712-375	81-722-375	81-642-375	81-632-375	81-742-375	81-732-375
38	81-612-380	81-622-380	81-712-380	81-722-380	81-642-380	81-632-380	81-742-380	81-732-380
38.5	81-612-385	81-622-385	81-712-385	81-722-385	81-642-385	81-632-385	81-742-385	81-732-385
39	81-612-390	81-622-390	81-712-390	81-722-390	81-642-390	81-632-390	81-742-390	81-732-390
39.5	81-612-395	81-622-395	81-712-395	81-722-395	81-642-395	81-632-395	81-742-395	81-732-395
40	81-612-400	81-622-400	81-712-400	81-722-400	81-642-400	81-632-400	81-742-400	81-732-400
40.5	81-612-405	81-622-405	81-712-405	81-722-405	81-642-405	81-632-405	81-742-405	81-732-405
41	81-612-410	81-622-410	81-712-410	81-722-410	81-642-410	81-632-410	81-742-410	81-732-410
41.5	81-612-415	81-622-415	81-712-415	81-722-415	81-642-415	81-632-415	81-742-415	81-732-415
42	81-612-420	81-622-420	81-712-420	81-722-420	81-642-420	81-632-420	81-742-420	81-732-420
42.5	81-612-425	81-622-425	81-712-425	81-722-425	81-642-425	81-632-425	81-742-425	81-732-425
43	81-612-430	81-622-430	81-7612-430	81-722-430	81-642-430	81-632-430	81-742-430	81-732-430
43.5	81-612-435	81-622-435	81-712-435	81-722-435	81-642-435	81-632-435	81-742-435	81-732-435
44	81-612-440	81-622-440	81-712-440	81-722-440	81-642-440	81-632-440	81-742-440	81-732-440

WELDABLE & BONDABLE ATTACHMENTS

BANDS

Choose from three kit assortments

- Trial Kit containing 50 bands
- Intro Kit containing 100 bands
- Pro Kit containing 200 bands

1st Molar Bands

Kit Type/No	31	31.5	32	32.5	33	33.5	34	34.5	35	35.5	36	36.5	37	37.5	38	38.5	39	39.5	40	40.5	41	41.5	42	42.5	43	43.5	44
01/Trial	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	2	2	2	2
02/Intro	1	1	1	1	1	1	1	1	2	2	2	3	5	5	5	5	5	7	7	7	7	7	7	4	4	4	4
03/Pro	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	11	11	11	11	11	11	7	7	7	7

Reference Number

KIT 81-612-XX

KIT 81-622-XX

KIT 81-632-XX

KIT 81-642-XX

XX: 01/02/03

2nd Molar Bands

Kit Type/No	31	31.5	32	32.5	33	33.5	34	34.5	35	35.5	36	36.5	37	37.5	38	38.5	39	39.5	40	40.5	41	41.5	42
01/Trial	1	1	1	1	2	2	2	2	4	4	4	4	4	4	2	2	2	2	2	1	1	1	1
02/Intro	1	1	2	3	3	3	3	3	10	10	10	10	10	10	3	3	3	3	3	3	1	1	1

Reference Number

KIT 81-712-XX

KIT 81-722-XX

KIT 81-732-XX

KIT 81-742-XX

XX: 01/02

FREE! PREWELDING SERVICE

Ordering bands with attachments can be a time consuming process, not to mention the time and expertise required to weld the attachment. IMD offers complimentary welding with all of our bands and attachments.
When we receive an order, the weld specifications are kept on file so recorders utilizing the same bands and weld attachments can be simplified by asking us to duplicate your last order.

Bondable/weldable lingual buttons

10 PACK

No.	Description	Reference NO.
A	Weldable round base	93-001-01
B	Weldable rectangular base	93-001-02
C	Bondable round base	93-002-01
D	Bondable rectangular base	93-002-02

Our bondable and weldable lingual buttons are perfect for all your patients. Formed for patient comfort, our lingual buttons easily bond to any tooth. Weldable lingual buttons can be welded to bands.

Weldable/Bondable Lingual Cleats

10 PACK

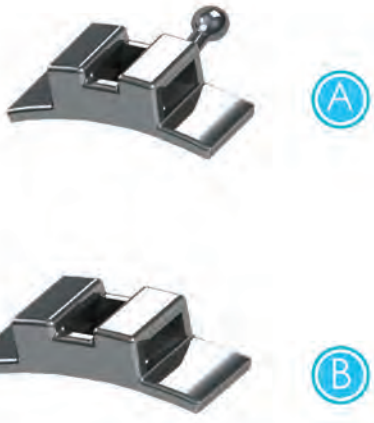
No.	Description	Reference NO.
A	Weldable slim sheet	93-003-01
B	Weldable round base	93-003-02
C	Bondable slim sheet	93-004-01
D	Bondable round base	93-004-02

Lingual Sheath

10 PACK

No.	Description	Reference NO.
A	Lingual sheath with hook	93-021-01 L 93-021-01 R
B	Lingual sheath without hook	93-021-02

Applied together with palatal bars and expansion springs, capable of inserting 2 pieces of 0.9mm wires



Bands & Attachment information

Twin Slot Lingual Sheath — 10 PACK

No.	Description	Reference NO.
A	Twin Slot Lingual Sheath	93-022-01

Applied together with vertical palatal bars, capable of inserting 1 piece of 0.9mm wire

Vertical Palatal Bars — 10 PACK

No.	Description	Reference NO.
B	Vertical Palatal Bars	93-022-02

Applied together with twin slot lingual sheath, made of 0.9mm SS wires

Movable Crimple Hooks — 10 PACK

No.	Description	Reference NO.
C	Sliding alone the arch wires, easy to use	92-002-02

Long Crimple Hooks — 10 PACK

No.	Description	Reference NO.
D	Fixed on the wires inserted instructure,easy to use	92-001-03

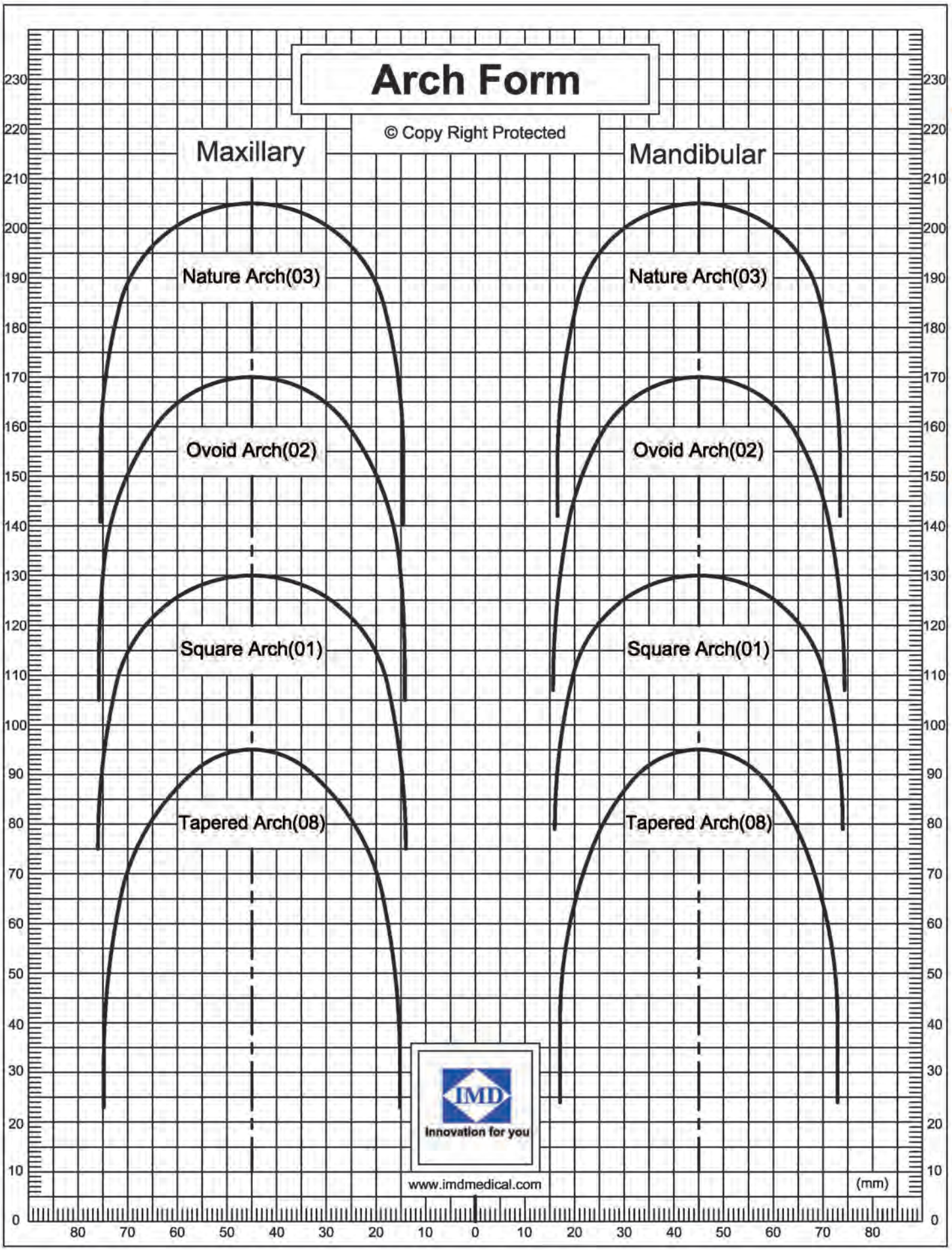
Crimple Hooks — 10 PACK

No.	Description	Reference NO.
E	Fixed on the wires inserted instructure,easy to use	92-001-02

Long Curved Crimple Hooks — 10 PACK

No.	Description	Reference NO.
F	Fixed on the archwire	
	Left	92-001-04 L
	Right	92-001-14 R

ARCHWIRES & SPRINGS


Arch Form
© Copy Right Protected
Maxillary
Mandibular
Nature Arch(03)
Ovoid Arch(02)
Square Arch(01)
Tapered Arch(08)
Nature Arch(03)
Ovoid Arch(02)
Square Arch(01)
Tapered Arch(08)
IMD
Innovation for you
www.imdmedical.com
(mm)
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

Arch Form

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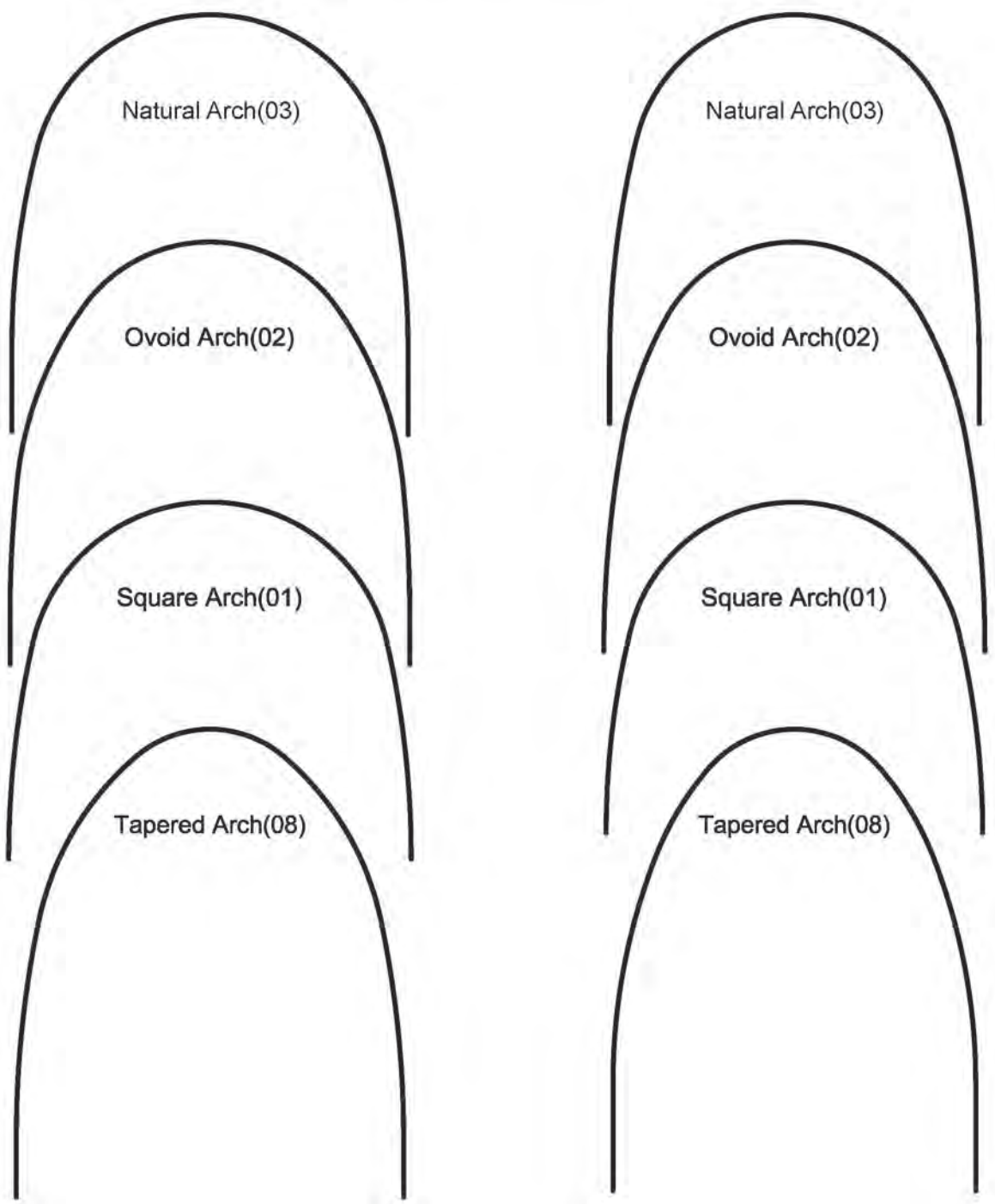

Damon Arch(09)

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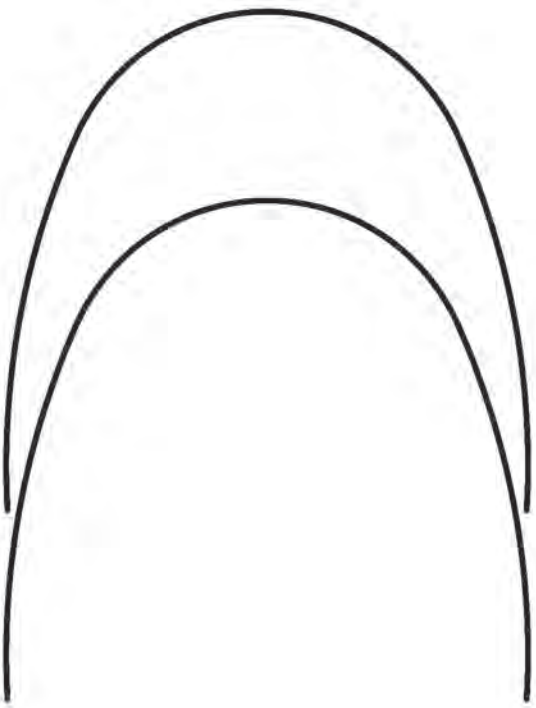

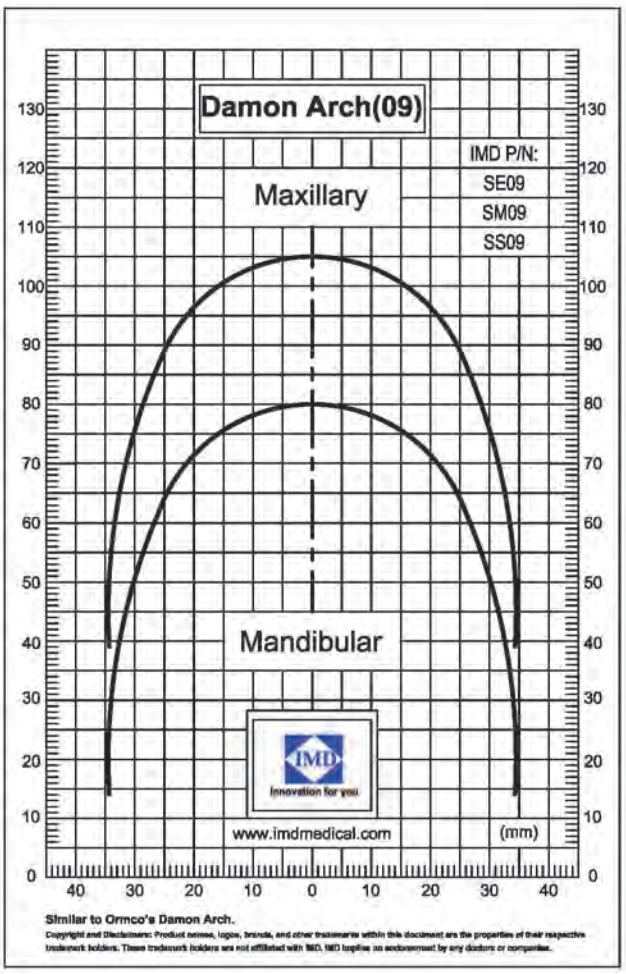

Lingual Arch(07)

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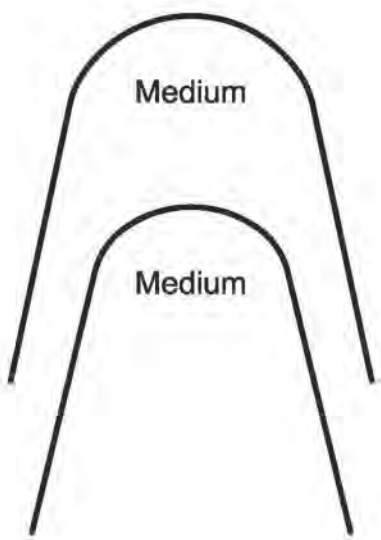
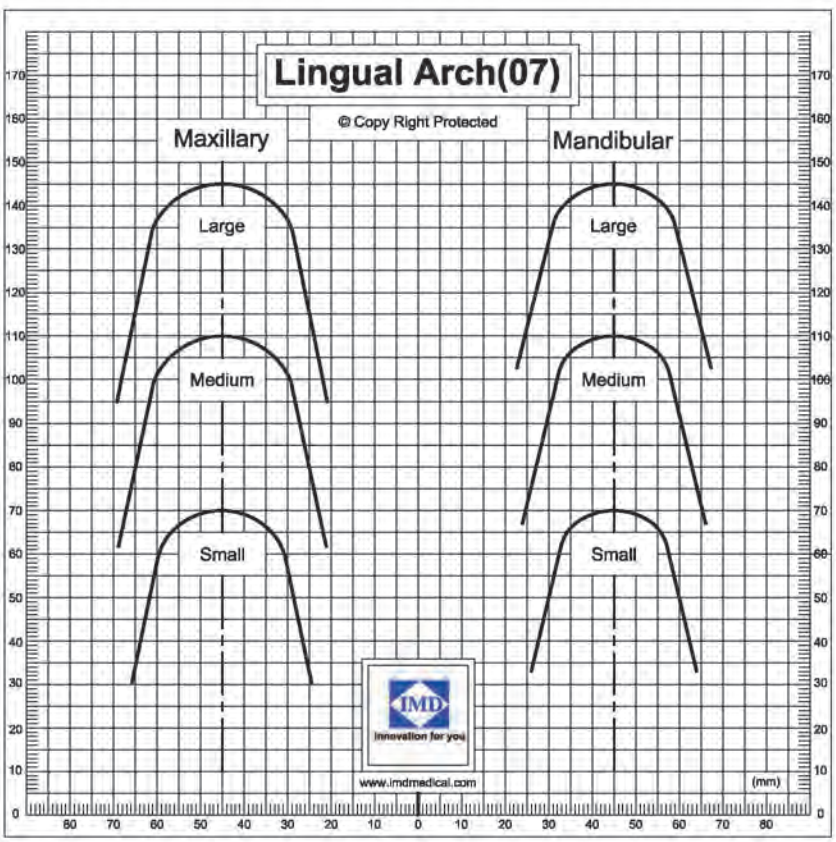


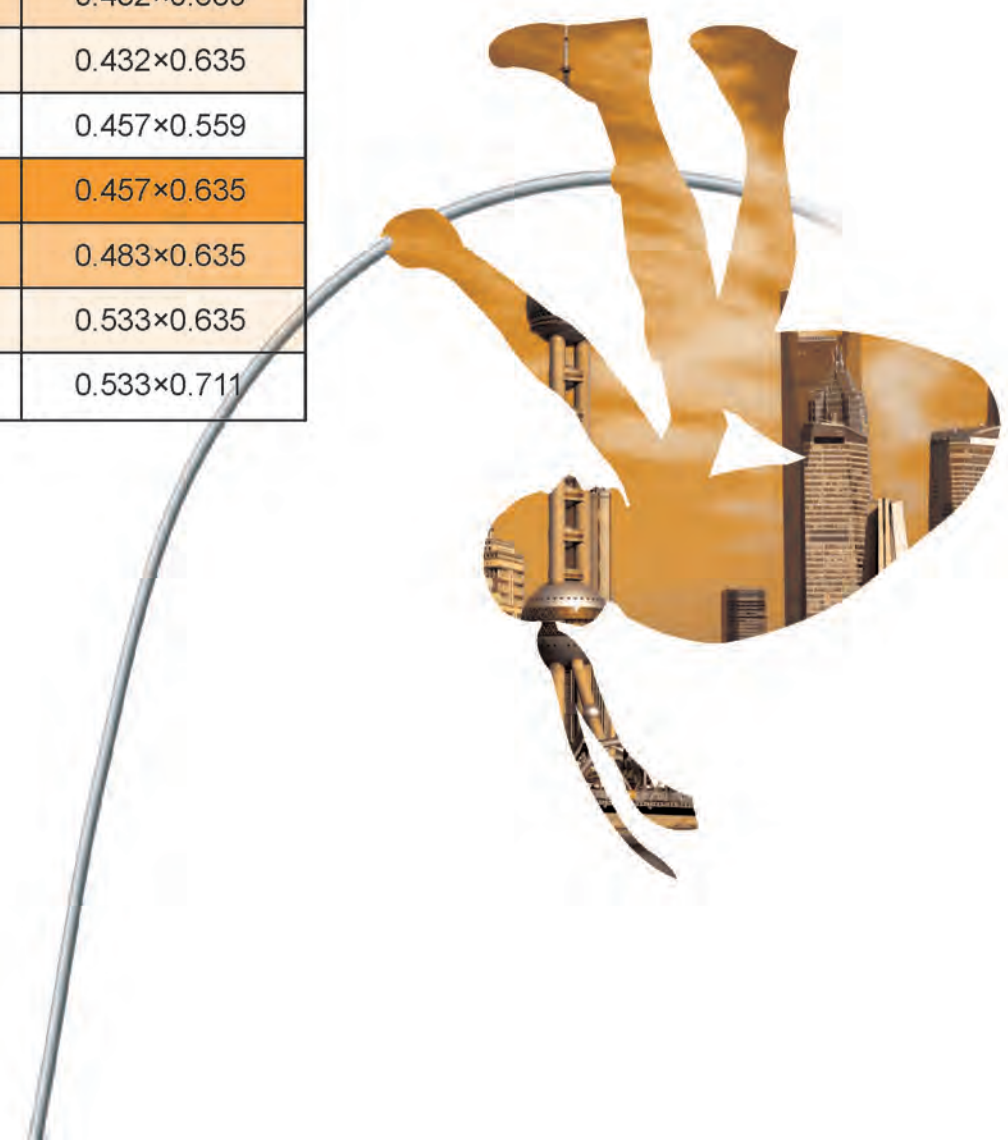


Metric Conversions

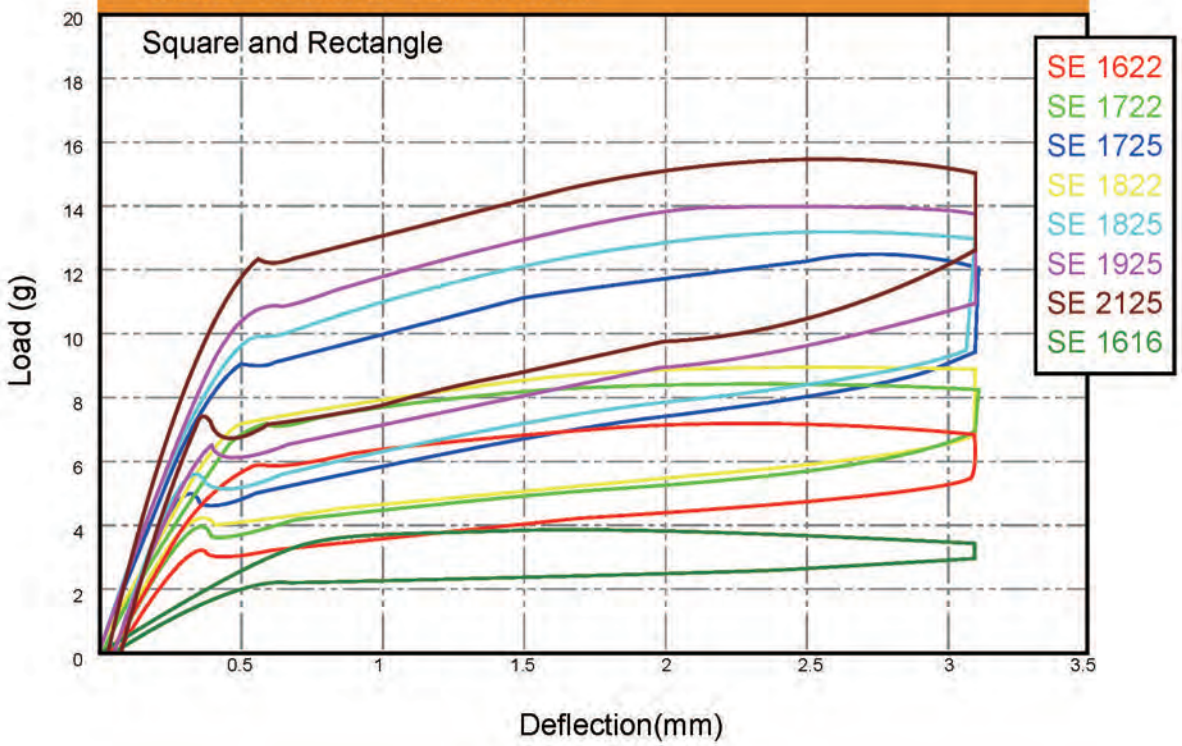
Squre Wire	
Inch(in)	Millimeter(mm)
0.016×0.016	0.406×0.406
0.018×0.018	0.406×0.559
0.020×0.020	0.406×0.635

Round Wire	
Inch(in)	Millimeter(mm)
0.012	0.305
0.013	0.33
0.014	0.356
0.016	0.406
0.018	0.457
0.02	0.508

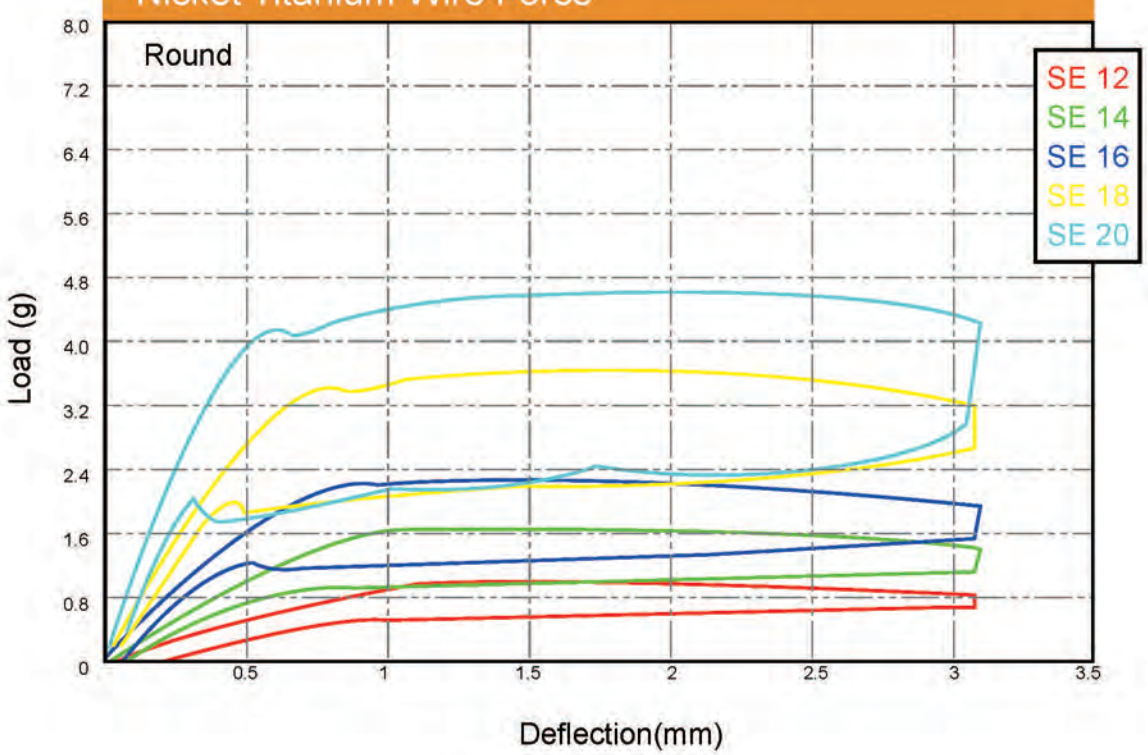
Rectangle Wire	
Inch(in)	Millimeter(mm)
0.014×0.025	0.356×0.435
0.016×0.022	0.406×0.559
0.016×0.025	0.406×0.635
0.017×0.022	0.432×0.559
0.017×0.025	0.432×0.635
0.018×0.022	0.457×0.559
0.018×0.025	0.457×0.635
0.019×0.025	0.483×0.635
0.021×0.025	0.533×0.635
0.021×0.028	0.533×0.711



Nicket Titanium Wire Force



Nicket Titanium Wire Force



Tri-MEMAlloy Wires

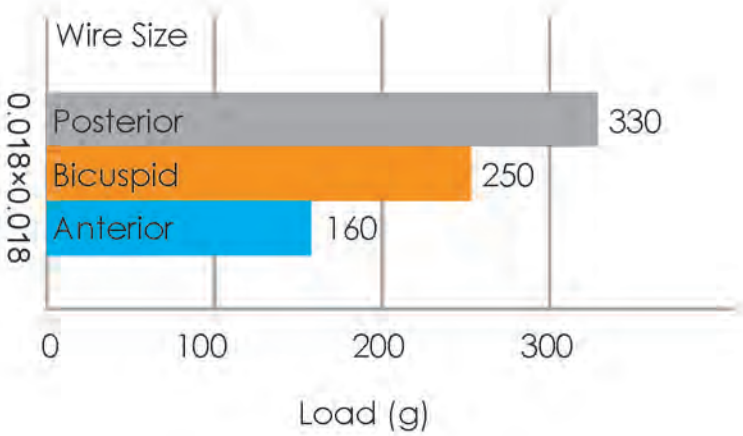
Tri MEMAlloy

TM (Tri-MEMAlloy) is the enhanced super elastic and thermal active wire that starts with lower, gentle forces for the anterior, and then automatically increases the force to the posterior, where it plateaus in the molar region.
With TM you have an early treatment arch wire that will torque, level, and align at the same time starting from rectangle sizes.

Advantages of TM wire:

1. Reducing appointment time with less wire changes
2. Improving patient comfortable
3. Reducing the treatment time

The optimal force needed to move anterior is not the same as the optimal force needed to move molars. Traditional wires offer one force at a time, requiring at least two or three wire changes to achieve the desired movement. TM begins at approximately 100 grams of force at the anterior, and gradually increases to approximately 300 grams of force in the molars. Each tooth receives the optimal biological force. You achieve desired movement with just one wire and without causing trauma to your patient.
Round TM wire is not necessary because Rectangular TM provides the light enough force for the anterior in the early stage.



2nd Generation Super Elastic NiTi Wires

MEMAlloy

MEMAlloy Niti arch wires are a low-force alternative to the traditional thermal active arch wires. They hold all the same properties of thermal active arch wires but deliver a gentle, light continuous forces for optimum tooth movement, moving teeth without dissipation of force and periodontal stress. It is round and owns superelasticity than traditional thermal active arch wires.

Ovoid

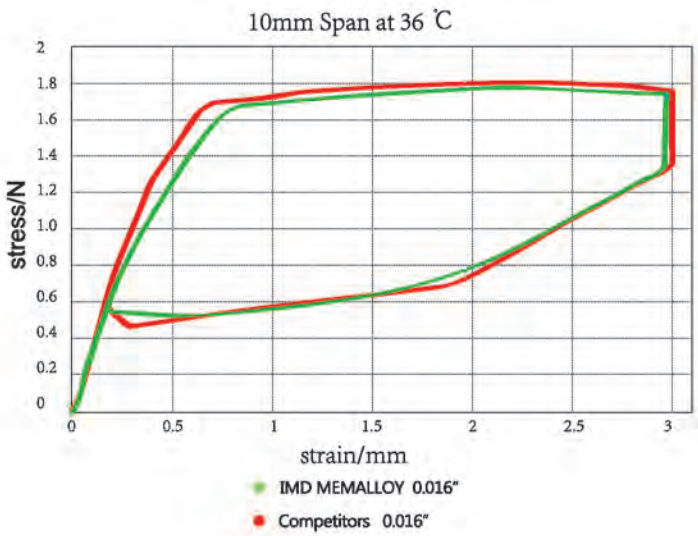
Natural

Damon*

Size	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
0.012"	ME021201	ME021202	ME031201	ME031202	ME091201	ME091202
0.014"	ME021401	ME021402	ME031401	ME031402	ME091401	ME091402
0.016"	ME021601	ME021602	ME031601	ME031602	ME091601	ME091602
0.018"	ME021801	ME021802	ME031801	ME031802	ME091801	ME091802
0.020"	ME022001	ME022002	ME032001	ME032002	ME092001	ME092002

Features

1. Continuous gentle force working for the whole treatment
2. Better elasticity for tooth movement efficiency
3. Easy to bend into different shapes with thermal active characteristics
4. Significant better results when working with active self-ligating bracket.



10 PACK

2nd Generation Super Elastic NiTi Wires

BIO MEMAlloy

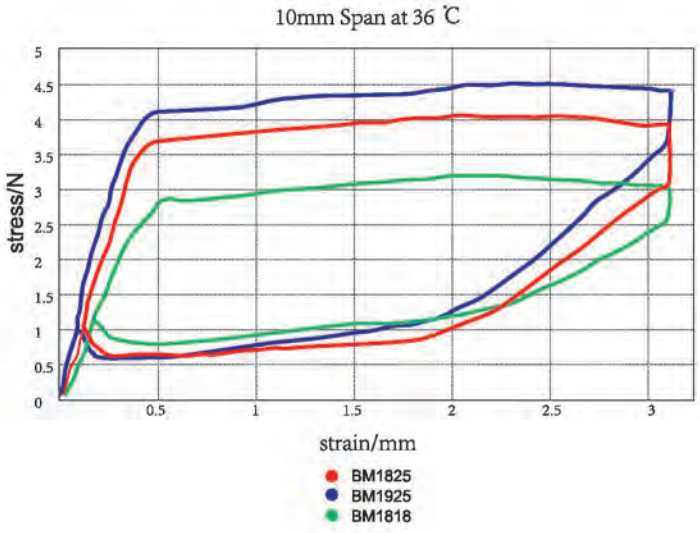
MEMAlloy Niti arch wires are a low-force alternative to the traditional thermal active arch wires. They hold all the same properties of thermal active arch wires but deliver a gentle, light continuous forces for optimum tooth movement, moving teeth without dissipation of force and periodontal stress. It is rectangular and owns superelasticity than traditional thermal active arch wires.

Ovoid

Natural

Damon*

Size	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
0.016"x0.016"	BM02161601	BM02161602	BM03161601	BM03161602	BM09161601	BM09161602
0.016"x0.022"	BM02162201	BM02162202	BM03162201	BM03162202	BM09162201	BM09162202
0.017"x0.022"	BM02172201	BM02172202	BM03172201	BM03172202	BM09172201	BM09172202
0.017"x0.025"	BM02172501	BM02172502	BM03172501	BM03172502	BM09172501	BM09172502
0.018"x0.018"	BM02181801	BM02181802	BM03181801	BM03181802	BM09181801	BM09181802
0.018"x0.022"	BM02182201	BM02182202	BM03182201	BM03182202	BM09182201	BM09182202
0.018"x0.025"	BM02182501	BM02182502	BM03182501	BM03182502	BM09182501	BM09182502
0.019"x0.025"	BM02192501	BM02192502	BM03192501	BM03192502	BM09192501	BM09192502
0.020"X0.020"	BM02202001	BM02202002	BM03202001	BM03202002	BM09202001	BM09202002
0.021"x0.025"	BM02212501	BM02212502	BM03212501	BM03212502	BM09212501	BM09212502
0.021"x0.028"	BM02212801	BM02212802	BM03212801	BM03212802	BM09212801	BM09212802



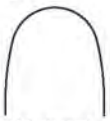
10 PACK

Copper Nickel Titanium Alloy Wires

Cu-Alloy

Cu-Alloy Niti arch wires consist of nickel, titanium, copper and chromium. The wires' activated temperature is close to mouth temperature and is soft in room temperature to facilitate engagement. It falls within a very efficient force range when used with the large round or rectangle sizes.

Ovoid

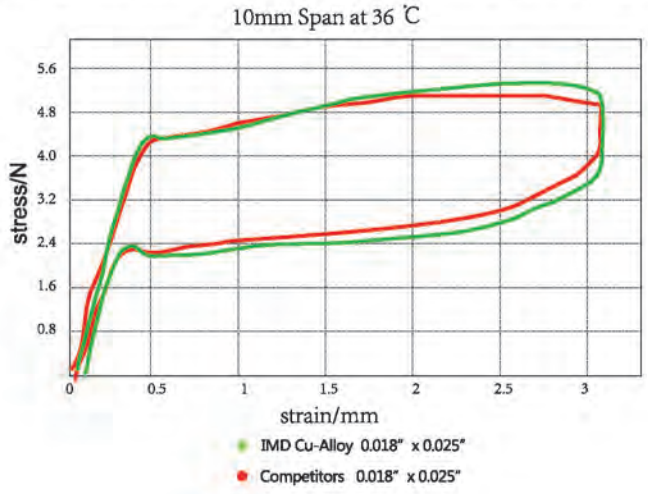

Natural

Damon*

Size	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
0.013"	CU021301	CU021302	CU031301	CU031302	CU091301	CU091302
0.014"	CU021401	CU021402	CU031401	CU031402	CU091401	CU091402
0.016"	CU021601	CU021602	CU031601	CU031602	CU091601	CU091602
0.018"	CU021801	CU021802	CU031801	CU031802	CU091801	CU091802
0.014"x0.025"	CU02142501	CU02142502	CU03142501	CU03142502	CU09142501	CU09142502
0.016"x0.022"	CU02162201	CU02162202	CU03162201	CU03162202	CU09162201	CU09162202
0.016"x0.025"	CU02162501	CU02162502	CU03162501	CU03162502	CU09162501	CU09162502
0.017"x0.017"	CU02171701	CU02171702	CU03171701	CU03171702	CU09171701	CU09171702
0.017"x0.025"	CU02172501	CU02172502	CU03172501	CU03172502	CU09172501	CU09172502
0.018"x0.025"	CU02182501	CU02182502	CU03182501	CU03182502	CU09182501	CU09182502
0.019"x0.025"	CU02192501	CU02192502	CU03192501	CU03192502	CU09192501	CU09192502
0.020"x0.020"	CU02202001	CU02202002	CU03202001	CU03202002	CU09202001	CU09202002
0.021"x0.025"	CU02212501	CU02212502	CU03212501	CU03212502	CU09212501	CU09212502

Features

1. Smaller loading force for easier wire engagement.
2. Enhanced thermal-reactive properties by additional copper
3. More resistant to permanent deformation
4. Unique springback characteristics provide continuous force, even at very small deflections
5. Reducing the frequency of changing wires and appointment time
6. Significant better results when working with passive self-ligating bracket.

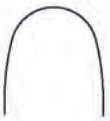


10 PACK

Beta Titanium Wires

Beta Titanium Arch wires provide memory properties similar to nickel titanium while providing high-forces and low deflections similar to stainless steel. Our Beta titanium arch wires provide force levels that are 42% less than those of equivalent stainless steel arch wires. It is a great nickel-free alternative with a variety of application possibilities. It can be used at any stage of treatment, but it is especially effective where moderate forces are necessary for early torque control and final detailing.

Ovoid

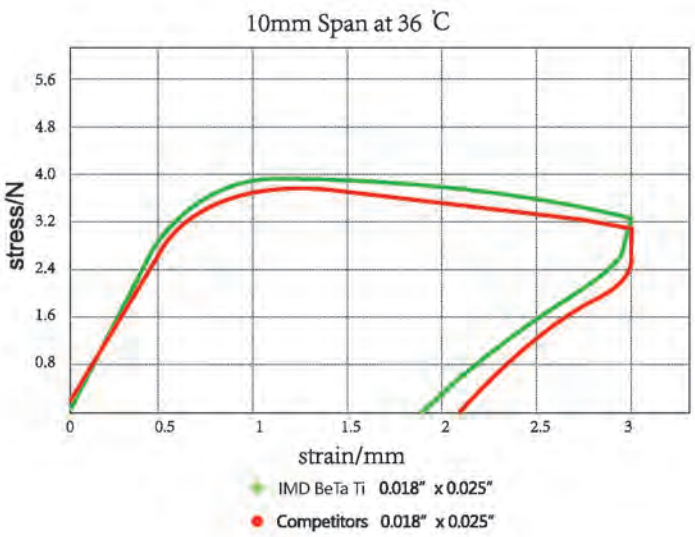


Natural

Size	Maxillary	Mandibular	Maxillary	Mandibular
0.016"	A-W-ST021601	A-W-ST021602	A-W-ST031601	A-W-ST031602
0.018"	A-W-ST021801	A-W-ST021802	A-W-ST031801	A-W-ST031802
0.020"	A-W-ST022001	A-W-ST022002	A-W-ST032001	A-W-ST032002
0.016"x0.022"	A-W-ST02162201	A-W-ST02162202	A-W-ST03162201	A-W-ST03162202
0.017"x0.025"	A-W-ST02172501	A-W-ST02172502	A-W-ST03172501	A-W-ST03172502
0.018"x0.018"	A-W-ST02181801	A-W-ST02181802	A-W-ST03181801	A-W-ST03181802
0.018"x0.025"	A-W-ST02182501	A-W-ST02182502	A-W-ST03182501	A-W-ST03182502
0.019"x0.025"	A-W-ST02192501	A-W-ST02192502	A-W-ST03192501	A-W-ST03192502
0.021"x0.025"	A-W-ST02212501	A-W-ST02212502	A-W-ST03212501	A-W-ST03212502

Features

1. Safe for nickel-allergy patients.
2. Moderate springback and flexibility
3. Moderate stiffness
4. Excellent formability
5. Better bend performance than stainless steel
6. Gentle force delivery with larger archwire sizes
7. Fill bracket slots earlier and correct torque



10 PACK

Stainless Steel Archwires

Stainless steel arch wires are excellent for detailing and finishing. It uses only 304 medical grade stainless steel wire in forming these wires. By acquiring our wire from the finest stainless steel processing houses, we can assure its customers a product high in quality and consistent in performance. In addition, we use state of the special forming equipment which ensures product integrity, consistent performance characteristics and precise arch forms. With years of wire forming experience, IMD understands the intricacies and nature of arch wire production and takes great pride in craftsmanship.

10 PACK

Square

Ovoid

Natural

Wire Size	Upper	Lower	Upper	Lower	Upper	Lower
0.012"	SS011201	SS011202	SS021201	SS021202	SS031201	SS031202
0.014"	SS011401	SS011402	SS021401	SS021402	SS031401	SS031402
0.016"	SS011601	SS011602	SS021601	SS021602	SS031601	SS031602
0.018"	SS011801	SS011802	SS021801	SS021802	SS031801	SS031802
0.020"	SS012001	SS012002	SS022001	SS022002	SS032001	SS032002
0.016"x0.016"	SS01161601	SS01161602	SS02161601	SS02161602	SS03161601	SS03161602
0.016"x0.022"	SS01162201	SS01162202	SS02162201	SS02162202	SS03162201	SS03162202
0.017"x0.022"	SS01172201	SS01172202	SS02172201	SS02172202	SS03172201	SS03172202
0.017"x0.025"	SS01172501	SS01172502	SS02172501	SS02172502	SS03172501	SS03172502
0.018"x0.022"	SS01182201	SS01182202	SS02182201	SS02182202	SS03182201	SS03182202
0.018"x0.025"	SS01182501	SS01182502	SS02182501	SS02182502	SS03182501	SS03182502
0.019"x0.025"	SS01192501	SS01192502	SS02192501	SS02192502	SS03192501	SS03192502
0.021"x0.025"	SS01212501	SS01212502	SS02212501	SS02212502	SS03212501	SS03212502

ARCHWIRES & SPRINGS

Stainless Steel Archwires

Zz Medium

Lingual Medium

Wire Size	Upper		Lower	Upper
0.012"	SS06M1201	SS06M1202	SS07M1201	SS07M1202
0.014"	SS06M1401	SS06M1402	SS07M1401	SS07M1402
0.016"	SS06M1601	SS06M1602	SS07M1601	SS07M1602
0.018"	SS06M1801	SS06M1802	SS07M1801	SS07M1802
0.020"	SS06M2001	SS06M2002	SS07M2001	SS07M2002
0.016"x0.016"	SS06M161601	SS06M161602	SS07M161601	SS07M161602
0.016"x0.022"	SS06M162201	SS06M162202	SS07M162201	SS07M162202
0.017"x0.022"	SS06M172201	SS06M172202	SS07M172201	SS07M172202
0.017"x0.025"	SS06M172501	SS06M172502	SS07M172501	SS07M172502
0.018"x0.022"	SS06M182201	SS06M182202	SS07M182201	SS07M182202
0.018"x0.025"	SS06M182501	SS06M182502	SS07M182501	SS07M182502
0.019"x0.025"	SS06M192501	SS06M192502	SS07M192501	SS07M192502
0.021"x0.025"	SS06M212501	SS06M212502	SS07M212501	SS07M212502

Tapered

Damon*

Wire Size	Upper	Lower	Upper	Lower
0.012"	SS081201	SS081202	SS091201	SS091202
0.014"	SS081401	SS081402	SS091401	SS091402
0.016"	SS081601	SS081602	SS091601	SS091602
0.018"	SS081801	SS081802	SS091801	SS091802
0.020"	SS082001	SS082002	SS092001	SS092002
0.016"x0.016"	SS08161601	SS08161602	SS09161601	SS09161602
0.016"x0.022"	SS08162201	SS08162202	SS09162201	SS09162202
0.017"x0.022"	SS08172201	SS08172202	SS09172201	SS09172202
0.017"x0.025"	SS08172501	SS08172502	SS09172501	SS09172502
0.018"x0.022"	SS08182201	SS08182202	SS09182201	SS09182202
0.018"x0.025"	SS08182501	SS08182502	SS09182501	SS09182502
0.019"x0.025"	SS08192501	SS08192502	SS09192501	SS09192502
0.021"x0.025"	SS08212501	SS08212502	SS09212501	SS09212502

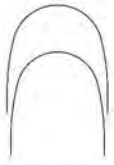
Niti Super Elastic Arch Wires

Niti super elastic arch wires reduce the number of arch wire changes by remaining continuously active. It is completely austenitic at room temperature and delivers constant force for more efficient tooth movement through its advanced metallurgical composition. It's extremely smooth and reduces fiction, allowing teeth to move easily along the arch wire. This wire allows alteration for custom bends or loops.

※ **Dimpled archwire available**

Square

Ovoid



Natural

Wire Size	Upper	Lower	Upper	Lower	Upper	Lower
0.012"	SE011201	SE011202	SE021201	SE021202	SE031201	SE031202
0.014"	SE011401	SE011402	SE021401	SE021402	SE031401	SE031402
0.016"	SE011601	SE011602	SE021601	SE021602	SE031601	SE031602
0.018"	SE011801	SE011802	SE021801	SE021802	SE031801	SE031802
0.020"	SE012001	SE012002	SE022001	SE022002	SE032001	SE032002
0.016"x0.016"	SE01161601	SE01161602	SE02161601	SE02161602	SE03161601	SE03161602
0.016"x0.022"	SE01162201	SE1162202	SE02162201	SE02162202	SE03162201	SE03162202
0.017"x0.022"	SE01172201	SE01172202	SE02172201	SE02172202	SE03172201	SE03172202
0.017"x0.025"	SE01172501	SE01172502	SE02172501	SE02172502	SE03172501	SE03172502
0.018"x0.022"	SE01182201	SE01182202	SE02182201	SE02182202	SE03182201	SE03182202
0.018"x0.025"	SE01182501	SE01182502	SE02182501	SE02182502	SE03182501	SE03182502
0.019"x0.025"	SE01192501	SE01192502	SE02192501	SE02192502	SE03192501	SE03192502
0.021"x0.025"	SE01212501	SE01212502	SE02212501	SE02212502	SE03212501	SE03212502

ARCHWIRES & SPRINGS

Niti Super Elastic Arch Wires

Zz Medium

Lingual Medium

Wire Size	Upper	Lower	Upper	Lower
0.012"	SE06M1201	SE06M1202	SE07M1201	SE07M1202
0.014"	SE06M1401	SE06M1402	SE07M1401	SE07M1402
0.016"	SE06M1601	SE06M1602	SE07M1601	SE07M1602
0.018"	SE06M1801	SE06M1802	SE07M1801	SE07M1802
0.020"	SE06M2001	SE06M2002	SE07M2001	SE07M2002
0.016"x0.016"	SE06M161601	SE06M161602	SE07M161601	SE07M161602
0.016"x0.022"	SE06M162201	SE06M162202	SE07M162201	SE07M162202
0.017"x0.022"	SE06M172201	SE06M172202	SE07M172201	SE07M172202
0.017"x0.025"	SE06M172501	SE06M172502	SE07M172501	SE07M172502
0.018"x0.022"	SE06M182201	SE06M182202	SE07M182201	SE07M182202
0.018"x0.025"	SE06M182501	SE06M182502	SE07M182501	SE07M182502
0.019"x0.025"	SE06M192501	SE06M192502	SE07M192501	SE07M192502
0.021"x0.025"	SE06M212501	SE06M212502	SE07M212501	SE07M212502

Tapered

Damon*

RCS

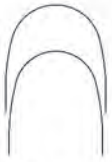
Wire Size	Upper	Lower	Upper	Lower	Upper	Lower
0.012"	SE081201	SE081202	SE091201	SE091202	SE041201	SE041202
0.014"	SE081401	SE081402	SE091401	SE091402	SE041401	SE041402
0.016"	SE081601	SE081602	SE091601	SE091602	SE041601	SE041602
0.018"	SE081801	SE081802	SE091801	SE091802	SE041801	SE041802
0.020"	SE082001	SE082002	SE092001	SE092002	SE042001	SE042002
0.016"x0.016"	SE08161601	SE08161602	SE09161601	SE09161602	SE04161601	SE04161602
0.016"x0.022"	SE08162201	SE08162202	SE09162201	SE09162202	SE04162201	SE04162202
0.017"x0.022"	SE08172201	SE08172202	SE09172201	SE09172202	SE04172201	SE04172202
0.017"x0.025"	SE08172501	SE08172502	SE09172501	SE09172502	SE04172501	SE04172502
0.018"x0.022"	SE08182201	SE08182202	SE09182201	SE09182202	SE04182201	SE04182202
0.018"x0.025"	SE08182501	SE08182502	SE09182501	SE09182502	SE04182501	SE04182502
0.019"x0.025"	SE08192501	SE08192502	SE09192501	SE09192502	SE04192501	SE04192502
0.021"x0.025"	SE08212501	SE08212502	SE09212501	SE09212502	SE04212501	SE04212502

Niti Thermal Active Arch Wires

Niti thermal active arch wires react to heat in a unique way: cold temperature make the arch wire extremely malleable and able to create unique bends in the arch wire without kinking. Once the wire begins to heat up, it restores its original form, putting the wire to work as soon as it's engaged.

Square

Ovoid



Natural

Wire Size	Upper	Lower	Upper	Lower	Upper	Lower
0.012"	SM011201	SM011202	SM021201	SM021202	SM031201	SM031202
0.014"	SM011401	SM011402	SM021401	SM021402	SM031401	SM031402
0.016"	SM011601	SM011602	SM021601	SM021602	SM031601	SM031602
0.018"	SM011801	SM011802	SM021801	SM021802	SM031801	SM031802
0.020"	SM012001	SM012002	SM022001	SM022002	SM032001	SM032002
0.016"x0.016"	SM01161601	SM01161602	SM02161601	SM02161602	SM03161601	SM03161602
0.016"x0.022"	SM01162201	SM1162202	SM02162201	SM02162202	SM03162201	SM03162202
0.017"x0.022"	SM01172201	SM01172202	SM02172201	SM02172202	SM03172201	SM03172202
0.017"x0.025"	SM01172501	SM01172502	SM02172501	SM02172502	SM03172501	SM03172502
0.018"x0.022"	SM01182201	SM01182202	SM02182201	SM02182202	SM03182201	SM03182202
0.018"x0.025"	SM01182501	SM01182502	SM02182501	SM02182502	SM03182501	SM03182502
0.019"x0.025"	SM01192501	SM01192502	SM02192501	SM02192502	SM03192501	SM03192502
0.021"x0.025"	SM01212501	SM01212502	SM02212501	SM02212502	SM03212501	SM03212502

10 PACK

Niti Thermal Active Arch Wires

Zz Medium

Lingual Medium

Wire Size	Upper	Lower	Upper	Lower
0.012"	SM06M1201	SM06M1202	SM07M1201	SM07M1202
0.014"	SM06M1401	SM06M1402	SM07M1401	SM07M1402
0.016"	SM06M1601	SM06M1602	SM07M1601	SM07M1602
0.018"	SM06M1801	SM06M1802	SM07M1801	SM07M1802
0.020"	SM06M2001	SM06M2002	SM07M2001	SM07M2002
0.016"x0.016"	SM06M161601	SM06M161602	SM07M161601	SM07M161602
0.016"x0.022"	SM06M162201	SM06M162202	SM07M162201	SM07M162202
0.017"x0.022"	SM06M172201	SM06M172202	SM07M172201	SM07M172202
0.017"x0.025"	SM06M172501	SM06M172502	SM07M172501	SM07M172502
0.018"x0.022"	SM06M182201	SM06M182202	SM07M182201	SM07M182202
0.018"x0.025"	SM06M182501	SM06M182502	SM07M182501	SM07M182502
0.019"x0.025"	SM06M192501	SM06M192502	SM07M192501	SM07M192502
0.021"x0.025"	SM06M212501	SM06M212502	SM07M212501	SM07M212502

Tapered

Damon*

Wire Size	Upper	Lower	Upper	Lower
0.012"	SM081201	SM081202	SM091201	SM091202
0.014"	SM081401	SM081402	SM091401	SM091402
0.016"	SM081601	SM081602	SM091601	SM091602
0.018"	SM081801	SM081802	SM091801	SM091802
0.020"	SM082001	SM082002	SM092001	SM092002
0.016"x0.016"	SM08161601	SM08161602	SM09161601	SM09161602
0.016"x0.022"	SM08162201	SM08162202	SM09162201	SM09162202
0.017"x0.022"	SM08172201	SM08172202	SM09172201	SM09172202
0.017"x0.025"	SM08172501	SM08172502	SM09172501	SM09172502
0.018"x0.022"	SM08182201	SM08182202	SM09182201	SM09182202
0.018"x0.025"	SM08182501	SM08182502	SM09182501	SM09182502
0.019"x0.025"	SM08192501	SM08192502	SM09192501	SM09192502
0.021"x0.025"	SM08212501	SM08212502	SM09212501	SM09212502

The unique nickel titanium alloy is precision formed into close springs. The springs provide consistent force and remain active until the space is closed. Consistent force values and full recovery are both achieved routinely with Niti close springs. Our close springs are available in 2 lengths and three types (No eye-let, two small eye-lets and 1 small eye-let and 1 big eye-let).

NiTi Close Spring with No Eye-let

Force / Length (inch)	50g	100g	150g	200g	250g	300g
	.008	.010	.0105	.011	.012	.013
6mm	CS0806	CS1006	CS10506	CS1106	CS1206	CS1306
9mm	CS0809	CS1009	CS10509	CS1109	CS1209	CS1309
12mm	CS0812	CS1012	CS10512	CS1112	CS1212	CS1312
15mm	CS0815	CS1015	CS10515	CS1115	CS1215	CS1315

NiTi Close Spring with 1 Small Eye-let and 1 Big Eye-let

Force / Length (inch)	50g	100g	150g	200g	250g	300g
	.008	.010	.0105	.011	.012	.013
6mm	CS0806D	CS1006D	CS10506D	CS1106D	CS1206D	CS1306D
9mm	CS0809D	CS1009D	CS10509D	CS1109D	CS1209D	CS1309D
12mm	CS0812D	CS1012D	CS10512D	CS1112D	CS1212D	CS1312D
15mm	CS0815D	CS1015D	CS10515D	CS1115D	CS1215D	CS1315D

NiTi Close Spring with 2 Small Eye-let

Force / Length (inch)	50g	100g	150g	200g	250g	300g
	.008	.010	.0105	.011	.012	.013
6mm	CS0806B	CS1006B	CS10506B	CS1106B	CS1206B	CS1306B
9mm	CS0809B	CS1009B	CS10509B	CS1109B	CS1209B	CS1309B
12mm	CS0812B	CS1012B	CS10512B	CS1112B	CS1212B	CS1312B
15mm	CS0815B	CS1015B	CS10515B	CS1115B	CS1215B	CS1315B

Springs

Niti Open Springs

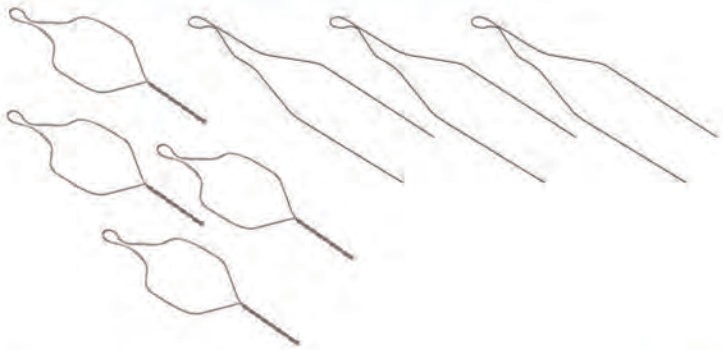
Open and maintain space gently and efficiently in a length of 178mm.

Force / inch / Length	150g	200g
	.010	.012
178mm	OS1018	OS1218

Kobayashi Ligature Wires(10 pieces/pack)

Ligature wire with hooks for elastics

	Long	Short
0.3 mm	SS-611-30	SS-612-30



Ligature Wires(30g/roll)

Annealed stainless steel

0.2 mm	SS-601-20
0.25 mm	SS-601-25
0.3 mm	SS-601-30

ELASTOMERICS

Power Chain

- Superior elasticity and rebound
- Extremely high resistance to breakage and tearing
- Quicker placement and reducing chair time
- Moisture resistant
- Work well with bracket systems
- Available in different colors

Long

Medium

Short

Continuous

Hestia Power Chain						
01		Clear	52-001-01	52-002-01	52-003-01	52-004-01
02		Silver	52-001-02	52-002-02	52-003-02	52-004-02
03		Light Pink	52-001-03	52-002-03	52-003-03	52-004-03
04		Black	52-001-04	52-002-04	52-003-04	52-004-04
05		Light Purple	52-001-05	52-002-05	52-003-05	52-004-05
06		Lime	52-001-06	52-002-06	52-003-06	52-004-06
07		Shamrock	52-001-07	52-002-07	52-003-07	52-004-07
08		Teal	52-001-08	52-002-08	52-003-08	52-004-08
09		Green	52-001-09	52-002-09	52-003-09	52-004-09
10		Red	-	-	-	-
11		Burgundy	52-001-11	52-002-11	52-003-11	52-004-11
12		Fire Red	52-001-12	52-002-12	52-003-12	52-004-12
13		Bubble Gum	52-001-13	52-002-13	52-003-13	52-004-13
14		Light Blue	-	-	-	-
15		Metallic Blue	52-001-15	52-002-15	52-003-15	52-004-15
16		Navy	52-001-16	52-002-16	52-003-16	52-004-16
17		Aqua	52-001-17	52-002-17	52-003-17	52-004-17
18		Purple	52-001-18	52-002-18	52-003-18	52-004-18
19		White	52-001-19	52-002-19	52-003-19	52-004-19
20		Ice Blue	-	-	-	-
21		Jade	52-001-21	52-002-21	52-003-21	52-004-21
22		Gold Rush	52-001-22	52-002-22	52-003-22	52-004-22
23		Dark Orange	52-001-23	52-002-23	52-003-23	52-004-23
24		Orange	52-001-24	52-002-24	52-003-24	52-004-24
25		Pink	52-001-25	52-002-25	52-003-25	52-004-25
26		Rose	52-001-26	52-002-26	52-003-26	52-004-26
27		Dark Blue	52-001-27	52-002-27	52-003-27	52-004-27
28		Blue	52-001-28	52-002-28	52-003-28	52-004-28
29		Metallic Purple	-	-	-	-
30		Yellow	52-001-30	52-002-30	52-003-30	52-004-30
31		Nature	-	-	-	-
32		Carolina Blue	52-001-32	52-002-32	52-003-32	52-004-32

- Excellent retention and rebound
- Available in four types (Round, Flower, Mickey and Kitty)
- Optimum size ties- 0.012 diameter
- 1040PCS/PACK（round） 1000PCS/PACK（Flower, Mickey and Kitty）

Hestia Ligature		Round	Flower	Mickey	
		0.22"	0.22"	0.22"	0.22"
00	Mixed	51-201-00	51-202-00	51-203-00	51-204-00
01	Clear	51-201-01	51-202-01	-	51-204-01
02	Silver	51-201-02	51-202-02	51-203-02	51-204-02
03	Light Pink	51-201-03	51-202-03	51-203-03	51-204-03
04	Black	51-201-04	51-202-04	51-203-04	51-204-04
05	Light Purple	51-201-05	51-202-05	51-203-05	51-204-05
06	Lime	51-201-06	51-202-06	51-203-06	51-204-06
07	Shamrock	51-201-07	51-202-07	51-203-07	51-204-07
08	Teal	51-201-08	51-202-08	51-203-08	51-204-08
09	Green	51-201-09	51-202-09	51-203-09	51-204-09
10	Red	51-201-10	51-202-10	51-203-10	51-204-10
11	Burgundy	51-201-11	51-202-11	51-203-11	51-204-11
12	Fire Red	51-201-12	51-202-12	51-203-12	51-204-12
13	Bubble Gum	51-201-13	-	51-203-13	-
14	Light Blue	51-201-14	51-202-14	51-203-14	51-204-14
15	Metallic Blue	51-201-15	51-202-15	51-203-15	51-204-15
16	Navy	51-201-16	51-202-16	51-203-16	51-204-16
17	Aqua	51-201-17	51-202-17	51-203-17	51-204-17
18	Purple	51-201-18	-	-	-
19	White	51-201-19	51-202-19	51-203-19	51-204-19
20	Ice Blue	51-201-20	-	-	-
21	Jade	51-201-21	-	-	-
22	Gold Rush	51-201-22	51-202-22	51-203-22	51-204-22
23	Dark Orange	51-201-23	51-202-23	51-203-23	51-204-23
24	Orange	51-201-24	51-202-24	51-203-24	51-204-24
25	Pink	51-201-25	51-202-25	51-203-25	51-204-25
26	Rose	51-201-26	51-202-26	51-203-26	51-204-26
27	Dark Blue	51-201-27	-	-	-
28	Blue	51-201-28	-	-	-
29	Metallic Purple	51-201-29	51-202-29	51-203-29	51-204-29
30	Yellow	51-201-30	51-202-30	51-203-30	51-204-30
31	Nature	51-201-31	51-202-31	-	-
32	Carolina Blue	51-201-32	51-202-32	51-203-32	-

Hestia O-ring

50X100 /PACK

- Silicon Material

Force			1/8" 3.2mm	3/16" 4.8mm	1/4" 6.4mm	5/16" 8mm	3/8" 9.5mm
Medium	3.5 oz	99g	53-002-32	53-002-48	53-002-64	53-002-80	53-002-95
Heavy	4.5 oz	128g	53-003-32	53-003-48	53-003-64	53-003-80	53-003-95
Super Heavy	6.5 oz	128g	53-004-32	53-004-48	53-004-64	53-004-80	53-004-95

Hestia Separators

1000PCS/ PACK

- Rapidly and efficiently separate tooth
- Consistent elasticity without deterioration
- Easily identified on x-ray
- Absorption-free

Bule	54-044-01

Q-Peak Separators

1000PCS/ PACK

Radio Opaque Separators are precision cut,separating elastics which are made from latex-free elastomerial.These separators are absorption-free and maintain their elasticity without deterioration. They rapidly and efficiently separate teeth.

INSTRUMENTS & ACCESSORIES

Instruments

Torque Plier

For applying torque to edgewise wires

04-101-01

Band Remover Plier

Replaceable plastic tips removing band and bonding accessories

04-101-02

Loop Bending Pliers

Universal Pliers for different size loop:1.3mm, 3mm, 4.2mm

04-101-03

How's Pliers

Universal Pliers for the multi-band technique,also used to clip arch wires

04-101-04

Brackets Remover Pliers

Removing brackets and adhesive residue

04-101-05

Kim Pliers

For applying multi loop edgewise wires with cutter

04-101-06

Nance Loop Bending Plier

For producing loops of different sizes

04-101-07

Posterior Branckets Remover Plier

For producing loops of different sizes

04-101-08

Weingart Plier

For producing the arch and bending

04-101-09

Adhensive Remover Plier

For removing bonding adhesives

04-101-10

Crimple Hook Plier

For applying and fixing crimple hooks on the arch wires

04-101-11

Three Jaw Plier

For bending wires V arches

04-101-12

Omega Loop Bending Plier

For bending omage loops

04-101-13

Universal Plier

Universal Plier for bending,plating,cutting

04-101-14

Ligature Cutter Plier

Cutting slot ligature wires up to 0.3mm and elastics,inserted hard metal alloy

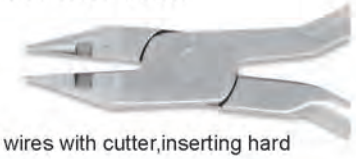
04-102-01

Light Wire Plier

For bending fine wires,inserting hard metal alloy

04-102-02

Light Wire Plier with Cutter



For bending fine wires with cutter,inserting hard metal alloy

04-102-03

Distal End Cutter

Cutting archwires up to 0.5mm in diameter, inserting hard metal alloy

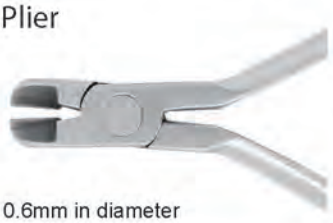
04-102-04

Tweed Loop Plier

For bending fine loops, stop loops and Omaega loops

04-102-05

Heavy Cutter Plier



Cutting wires up to 0.6mm in diameter

04-102-06

Elastics Plier

For explanding elastics separating rings before positioning

04-103-01

Cap Remover Plier

For removing removable cap of convertible tubes

04-103-02

Bracket Positioning Gauge

- 3.5 mm
- 4.0 mm
- 4.5 mm
- 5.0 mm

01-010-01 Crossed

01-011-00 Shaft with replacement tip 4pcs/set

01-011-01	• 2.0 mm • 2.5 mm
01-011-02	• 3.0 mm • 3.5 mm
01-011-03	• 4.0 mm • 4.5 mm
01-011-04	• 5.0 mm • 5.5 mm

Bracket Tweezer

01-021-02

Band Pusher

03-021-01

03-021-02

Ligature Instrument

03-022-02

Force Gauge

02-012-01 0-450g or 0-160OZ Laser mark

97-001-10 Glass mirror with hard plating 4pcs/kit

97-001-12 Adult Lingual Wide

97-001-13 Buccal

97-001-14 Adult Occlusal

97-001-15 Child Occlusal

97-002-10 Stainless Steel Mirror 3pcs/kit

97-002-11 Large

97-002-12 Lateral

97-002-13 Small

97-011-10 Cheek Retractor 3pcs/kit

97-011-11 Lateral

97-011-12 Large

97-011-13 Small

97-012-13 Lip Retractor Small

97-012-12 Lip Retractor Medium

97-012-11 Lip Retractor Large

Lingual Retainer Upper 2-2 Lateral to Lateral (2pcs/bag)

Direct bonding,suitable thickness and hardness

Size	14mm	16mm	18mm
REF	93-031-14	93-031-16	93-031-18

Retainer Lower 3-3 Cuspid to Cuspid (2pcs/bag)

Direct bonding,suitable thickness and hardness

Size	22mm	24mm	26mm	28mm
REF	93-032-22	93-032-24	93-032-26	93-032-28

Lingual Retainer (2pcs/bag)

Direct bonding,suitable thickness and hardness

Size	32mm	34mm	36mm	38mm	40mm
REF	93-034-32	93-034-34	93-034-36	93-034-38	93-034-40

Lower 3-3 Cuspid to Cuspid

Size	29mm	31mm	33mm	35mm	37mm
REF	93-035-29	93-035-31	93-035-33	93-035-35	93-035-37

Universal Lingual Retainer (2pcs/bag)

Size	2mm	1.2mm
REF	93-033-20	93-033-12

Palatal Bars

0.9 medical stainless steel, elastic to resist molar rotation and enhance anchorage

Size	37mm	39mm	41mm	43mm
Distal	93-011-37	93-011-39	93-011-41	93-011-43
Mesial	93-012-37	93-012-39	93-012-41	93-012-43

Size	47mm	49mm	51mm	53mm
Distal	93-011-47	93-011-49	93-011-51	93-011-53
Mesial	93-012-47	93-012-49	93-012-51	93-012-53

Universal Face Bow(solo pack)

Applied with headgear to provide extra oral anchorage

94-011-01

Asymmetry Face Bow(solo pack)

Applied with headgear to provide extra oral anchorage

94-012-01

J Hooks without Tubes (2pcs/bag)

94-012-01

Face Masks

95-010-11

Adaptable Class Ⅲ

95-010-12

Adjustable

95-010-13

Universal

Headgears （solo pack）

For mounting elastics and face bow or J hooks
High Pull System

95-021-01 • Large
95-021-02 • Small

Universal,adjusttable with elastics and chin cup
Combination Syatem

95-021-06 • Medium
95-021-07 • Small

With elastics and chin cup
Mandibular Pull System

95-021-04

For mounting elastics and face bows or J hooks
Horizonal Pull Systme

95-021-05

Headgear Pouch （10 pieces/pack)

To placedment heddgear or neck pad

95-023-01

Safety Module （10 pieces/pack)

For neck pad and pull headgear

95-023-03 • Light (blue)

Safety Cervical Pad (10 pieces/pack)

95-31-12

95-31-11

Orthodontic Wax (1 pieces/pack)

Orange	96-021-01
Grape	96-021-02
Apple	96-021-03
Stawberry	96-021-04
Mint	96-021-05

Arch Turret

Torque	Torque	Slots	Size
98-011-07	0°	5	0.016
			0.017
			0.018
			0.019
			0.020
			0.021
			0.022
98-011-06	5°	6	0.017
			0.018
	7°	6	0.019
			0.017
			0.018
			0.019

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