

ORJ[®]

奥杰



ORJ ORTHODONTICS

Product
Catalog **2013**



ORJ----RELIABLE QUALITY/ EFFICIENT SERVICE/ INNOVATIVE PERFORMANCE

Hangzhou ORJ Medical Instrument & Material Co., Ltd, established in 1999, has grown tremendously over the past few years and is continually striving to provide reliable quality products, efficient service and innovative performance.

We dedicate to upgrade a full line of orthodontic products including orthodontic brackets, tubes, bands, instruments and orthodontic pliers in precision and comfort.

Hope this catalog could provide you with all the information you need and please do not hesitate to contact us with any questions or product request that you might have.



ISO13485: 2003

CE 0123



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BRACKETS■

Roth, Sliding-MBT or Edge-wise Brackets
More choice for you!





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SELF-LIGATING ROTH BRACKETS



- No ligation, easier wire replacement
- Low Friction, faster teeth movement
- Light force, more comfortable and safe for patient



OPEN



Insert the instrument tip into the central hole of the clip and slightly pull it out along occlusal direction

CLOSE



Lightly push the clip by finger from occlusal to gingival direction

ORG Compact Lingual bracket

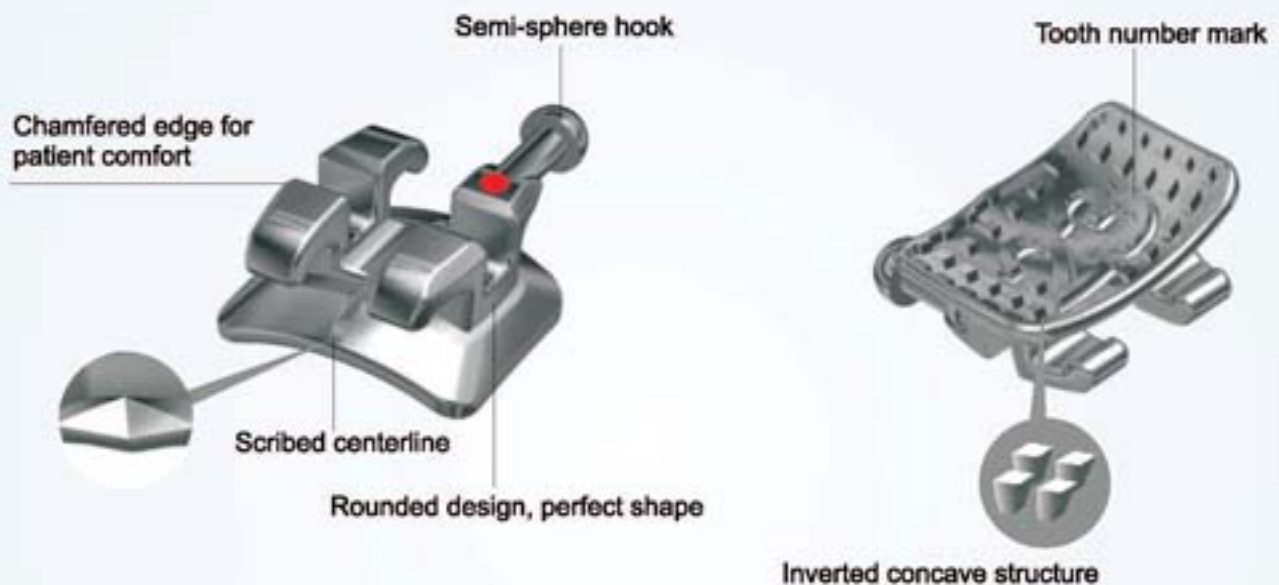
— Low Profile and Low Friction

Advantages of ORG Lingual Brackets:

1. Hooks of one-piece construction for all teeth to enable better ligation and less emergencies due to wire disengagement.
2. Flat bracket enables better oral hygiene and less occlusion contact interference.
3. The design of 0.018 slots in anterior brackets and 0.022 slots in both posterior brackets and molar tubes makes lower friction so as to close space of posterior teeth easily.
4. Smaller than conventional lingual brackets, therefore less problems on irritating tongue and talk problem, patients will feel more comfortable with rounded hooks and lower profile.



Brackets Monoblock



Features:

- 1. Newly developed by 3D design, monoblock by precision casting.**
- 2. Inverted concave structure on base to enhance bonding strength.**
- 3. Lower profile and rounded edge to increase oral comfort.**
- 4. Scribing line on base to precisely position the bracket.**
- 5. Permanent tooth mark on base.**

DIAMOND Series

Brackets



Features:

1. Mesh base is firmly joined by automatic welding technology.
2. Smooth surface and slot.
3. Contoured mesh base, precision, chamfered edge.
4. Much more comfortable for the patients.



<VST series>



<Diamond series>



<Gem series>



<Crystal series>



<Traditional series>



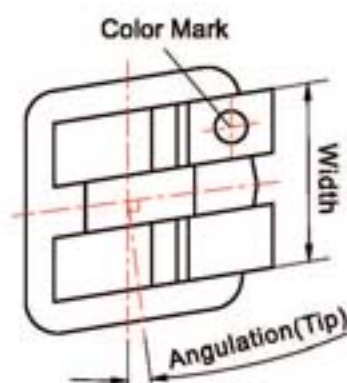
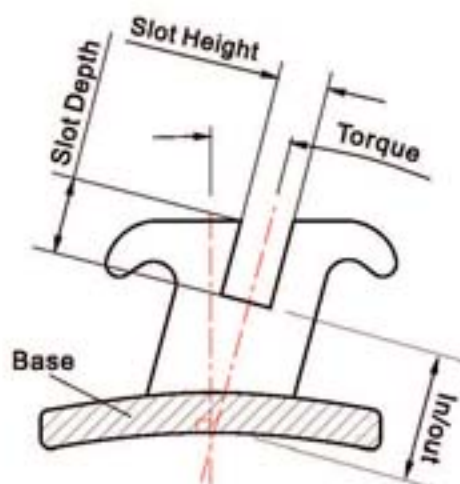
<Clear series>

Brackets Features

VST series	3D design, monoblock by precision casting. Inverted concave structure on base for better bonding strength. Lower profile and rounded edge. Permanent tooth number mark on base.
Diamond series	Chamfered edge and arc transition design for patient comfort, 80 mesh base, high strength stainless steel.
Gem series	Elaborately processed on the basis of Crystal Series Brackets, smooth slot and surface, precision and chamfered edge, much more comfortable to the patients.
Crystal series	The mesh base is firmly joined by automatic welding technology, smooth surface, contoured mesh base.
Traditional series	One-piece construction, compact, swallow-tailed base.
Clear series	Ceramic brackets, transparent and aesthetic clear, high strength and lower friction.

FDI System (World Dental Federation)

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



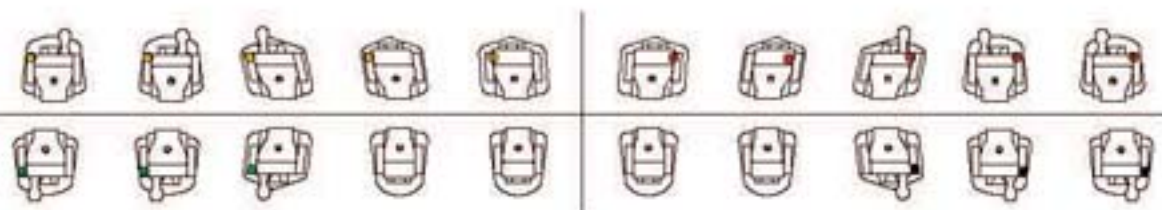
Metal Brackets ■

Self Ligating Series

Standard Roth* Brackets

Super elastic clip/80 Mesh Base

Torque	-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°
Tip	0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°
In/out mm	0.85	0.85	0.85	1.35	0.85	0.85	1.35	0.85	0.85	0.85
Width mm	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
REF	22	Without hook	With hook	TA22-1012	TA22-1011	TA22-1021	TA22-1022	—	—	—
		TA22-1114	TA22-1114	TA22-1113	—	—	—	TA22-1123	TA22-1124	TA22-1124
Single Packs	10	10	10	10	10	10	10	10	10	10



Torque	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°
Tip	0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°
In/out mm	0.85	0.85	0.85	1.35	1.35	1.35	1.35	0.85	0.85	0.85
Width mm	3.5	3.5	3.5	3	3	3	3	3.5	3.5	3.5
REF	22	Without hook	With hook	TA22-1031	TA22-1031	TA22-1031	TA22-1031	—	—	—
		TA22-1145	TA22-1144	TA22-1143	—	—	—	TA22-1133	TA22-1134	TA22-1135
Single Packs	10	10	10	10	10	10	10	10	10	10

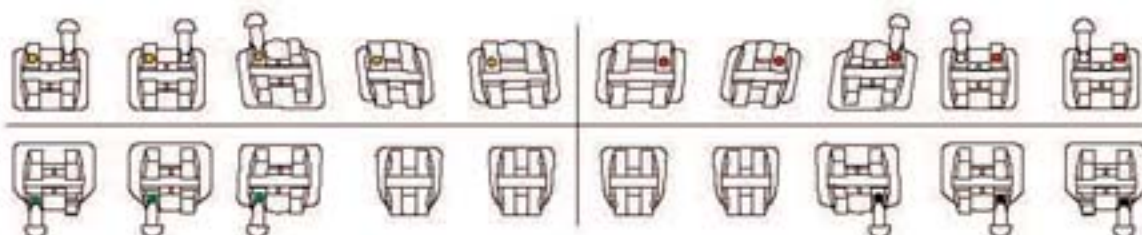
Slot Size	Assortments Packs	Quantity	3,4,5 With hooks
22	1 Kit	20pcs	TA22-14



*ORJ's version of Roth brackets is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by others.

VST series/Monoblock by casting/Medium size/Inverted concave base

Torque			-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°
Tip			0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°
In/out mm			0.7	0.7	0.7	1.2	0.7	0.7	1.2	0.7	0.7	0.7
Width mm			2.85	2.85	3.0	2.7	3.2	3.2	2.7	3.0	2.85	2.85
REF	18	Without hook	TV21-4014	TV21-4014	TV21-4013	TV21-4012	TV21-4011	TV21-4021	TV21-4022	TV21-4023	TV21-4024	TV21-4024
		With hook	TV21-4114	TV21-4114	TV21-4113	—	—	—	—	TV21-4123	TV21-4124	TV21-4124
	22	Without hook	TV22-4014	TV22-4014	TV22-4013	TV22-4012	TV22-4011	TV22-4021	TV22-4022	TV22-4023	TV22-4024	TV22-4024
		With hook	TV22-4114	TV22-4114	TV22-4113	—	—	—	—	TV22-4123	TV22-4124	TV22-4124
Single Packs			10	10	10	10	10	10	10	10	10	10



Torque			-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°
Tip			0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°
In/out mm			0.7	0.7	0.7	1.1	1.1	1.1	1.1	0.7	0.7	0.7
Width mm			2.85	2.85	3.0	2.4	2.4	2.4	2.4	3.0	2.85	2.85
REF	18	Without hook	TV21-4045	TV21-4044	TV21-4043	TV21-4031	TV21-4031	TV21-4031	TV21-4031	TV21-4033	TV21-4034	TV21-4035
		With hook	TV21-4145	TV21-4144	TV21-4143	—	—	—	—	TV21-4133	TV21-4134	TV21-4135
	22	Without hook	TV22-4045	TV22-4044	TV22-4043	TV22-4031	TV22-4031	TV22-4031	TV22-4031	TV22-4033	TV22-4034	TV22-4035
		With hook	TV22-4145	TV22-4144	TV22-4143	—	—	—	—	TV22-4133	TV22-4134	TV22-4135
Single Packs			10	10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TV21-40	TV21-43	TV21-44
22	1 Kit	20pcs	TV22-40	TV22-43	TV22-44



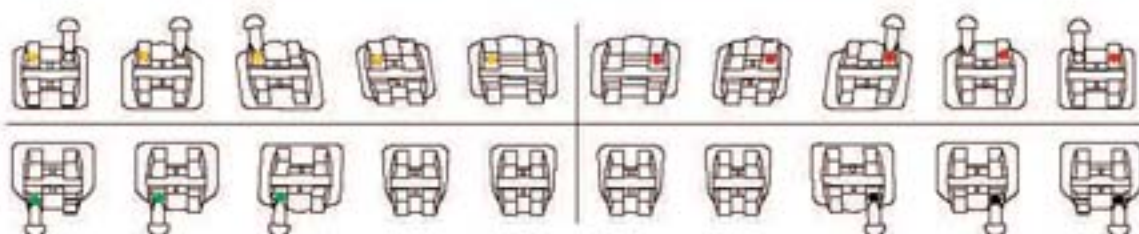
Metal Brackets ■

VST series Brackets

Sliding-MBT* Brackets

VST series/Monoblock by casting/Medium size/Inverted concave base

Torque		-7°	-7°	-7°*	+10°	+17°	+17°	+10°	-7°*	-7°	-7°	
Tip		0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°	
In/out mm		1.0	0.7	0.6	1.2	0.7	0.7	1.2	0.6	0.7	1.0	
Width mm		2.9	2.9	3.0	2.8	3.4	3.4	2.8	3.0	2.9	2.9	
REF	18	Without hook	TV31-4015	TV31-4014	TV31-4013	TV31-4012	TV31-4011	TV31-4021	TV31-4022	TV31-4023	TV31-4024	TV31-4025
		With hook	TV31-4115	TV31-4114	TV31-4113	—	—	—	—	TV31-4123	TV31-4124	TV31-4125
	22	Without hook	TV32-4015	TV32-4014	TV32-4013	TV32-4012	TV32-4011	TV32-4021	TV32-4022	TV32-4023	TV32-4024	TV32-4025
		With hook	TV32-4115	TV32-4114	TV32-4113	—	—	—	—	TV32-4123	TV32-4124	TV32-4125
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque			-17°	-12°	-6° *	-6°	-6°	-6°	-6°	-6° *	-12°	-17°
Tip			0°	0°	+3°	0°	0°	0°	0°	+3°	0°	0°
In/out mm			0.6	0.6	0.6	1.2	1.2	1.2	1.2	0.6	0.6	0.6
Width mm			2.9	2.9	3.0	2.4	2.4	2.4	2.4	3.0	2.9	2.9
REF	18	Without hook	TV31-4045	TV31-4044	TV31-4043	TV31-4041	TV31-4041	TV31-4031	TV31-4031	TV31-4033	TV31-4034	TV31-4035
		With hook	TV31-4145	TV31-4144	TV31-4143	—	—	—	—	TV31-4133	TV31-4134	TV31-4135
	22	Without hook	TV32-4045	TV32-4044	TV32-4043	TV32-4041	TV32-4041	TV32-4031	TV32-4031	TV32-4033	TV32-4034	TV32-4035
		With hook	TV32-4145	TV32-4144	TV32-4143	—	—	—	—	TV32-4133	TV32-4134	TV32-4135
Single Packs			10	10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TV31-40	TV31-43	TV31-44
22	1 Kit	20pcs	TV32-40	TV32-43	TV32-44

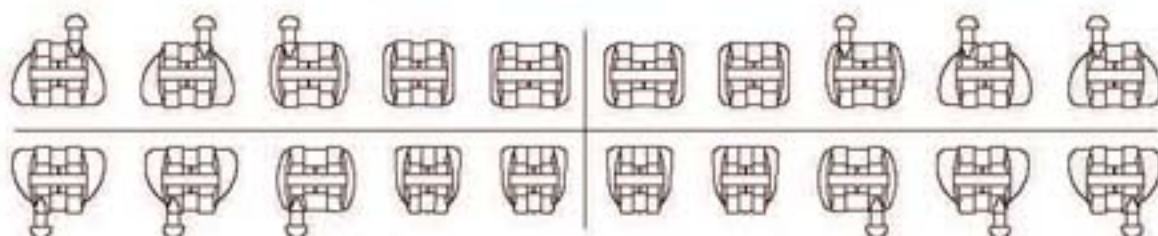


*These are ORL's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.

Edge-wise Brackets

Diamond series/80 Mesh base/Medium size

Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	
Width mm		2.9	2.9	3	2.7	3.1	3.1	2.7	3	2.9	2.9	
REF	18	Without hook	TZ11-4014	TZ11-4014	TZ11-4013	TZ11-4012	TZ11-4011	TZ11-4011	TZ11-4012	TZ11-4013	TZ11-4014	TZ11-4014
		With hook	TZ11-4114	TZ11-4114	TZ11-4113	—	—	—	—	TZ11-4123	TZ11-4124	TZ11-4124
	22	Without hook	TZ12-4014	TZ12-4014	TZ12-4013	TZ12-4012	TZ12-4011	TZ12-4011	TZ12-4012	TZ12-4013	TZ12-4014	TZ12-4014
		With hook	TZ12-4114	TZ12-4114	TZ12-4113	—	—	—	—	TZ12-4123	TZ12-4124	TZ12-4124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	
Width mm		2.9	2.9	3	2.4	2.4	2.4	2.4	3	2.9	2.9	
REF	18	Without hook	TZ11-4014	TZ11-4014	TZ11-4013	TZ11-4031	TZ11-4031	TZ11-4031	TZ11-4031	TZ11-4013	TZ11-4014	TZ11-4014
		With hook	TZ11-4114	TZ11-4114	TZ11-4123	—	—	—	—	TZ11-4113	TZ11-4124	TZ11-4124
	22	Without hook	TZ12-4014	TZ12-4014	TZ12-4013	TZ12-4031	TZ12-4031	TZ12-4031	TZ12-4031	TZ12-4013	TZ12-4014	TZ12-4014
		With hook	TZ12-4114	TZ12-4114	TZ12-4123	—	—	—	—	TZ12-4113	TZ12-4124	TZ12-4124
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TZ11-40	TZ11-43	TZ11-44
22	1 Kit	20pcs	TZ12-40	TZ12-43	TZ12-44



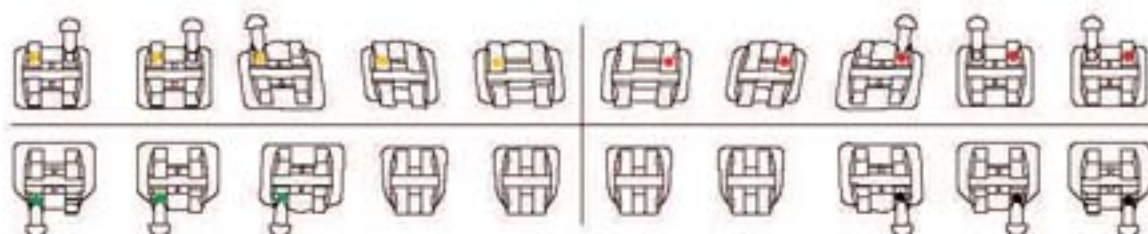
Metal Brackets ■

Diamond Series Brackets

Roth* Brackets

Diamond series/80 Mesh base/Medium size

Torque		-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°	
Tip		0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°	
In/out mm		0.5	0.5	0.5	1.1	0.5	0.5	1.0	0.5	0.5	0.5	
Width mm		2.85	2.85	3.0	2.7	3.2	3.2	2.7	3.0	2.85	2.85	
REF	18	Without hook	TZ21-4014	TZ21-4014	TZ21-4013	TZ21-4012	TZ21-4011	TZ21-4021	TZ21-4022	TZ21-4023	TZ21-4024	TZ21-4024
		With hook	TZ21-4114	TZ21-4114	TZ21-4113	—	—	—	—	TZ21-4123	TZ21-4124	TZ21-4124
	22	Without hook	TZ22-4014	TZ22-4014	TZ22-4013	TZ22-4012	TZ22-4011	TZ22-4021	TZ22-4022	TZ22-4023	TZ22-4024	TZ22-4024
		With hook	TZ22-4114	TZ22-4114	TZ22-4113	—	—	—	—	TZ22-4123	TZ22-4124	TZ22-4124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.5	0.5	0.5	
Width mm		2.85	2.85	3.0	2.4	2.4	2.4	2.4	3.0	2.85	2.85	
REF	18	Without hook	TZ21-4045	TZ21-4044	TZ21-4043	TZ21-4031	TZ21-4031	TZ21-4031	TZ21-4031	TZ21-4033	TZ21-4034	TZ21-4035
		With hook	TZ21-4145	TZ21-4144	TZ21-4143	—	—	—	—	TZ21-4133	TZ21-4134	TZ21-4135
	22	Without hook	TZ22-4045	TZ22-4044	TZ22-4043	TZ22-4031	TZ22-4031	TZ22-4031	TZ22-4031	TZ22-4033	TZ22-4034	TZ22-4035
		With hook	TZ22-4145	TZ22-4144	TZ22-4143	—	—	—	—	TZ22-4133	TZ22-4134	TZ22-4135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TZ21-40	TZ21-43	TZ21-44
22	1 Kit	20pcs	TZ22-40	TZ22-43	TZ22-44

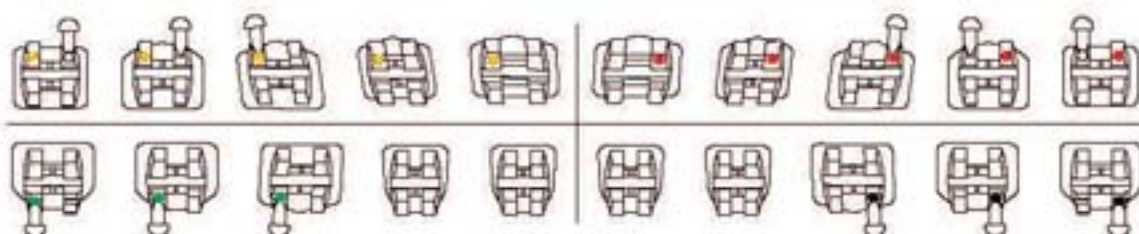


*ORU's version of Roth is not claimed to be a duplication of any other, nor does ORU imply that it is endorsed in any way by Dr. Roth.

Sliding-MBT* Brackets

Diamond series/80 Mesh base/Medium size

Torque		-7°	-7°	-7°*	+10°	+17°	+17°	+10°	-7°*	-7°	-7°	
Tip		0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°	
In/out mm		0.9	0.6	0.5	1.1	0.6	0.6	1.1	0.5	0.6	0.9	
Width mm		2.9	2.9	3.0	2.8	3.4	3.4	2.8	3.0	2.9	2.9	
REF	18	Without hook	TZ31-4015	TZ31-4014	TZ31-4013	TZ31-4012	TZ31-4011	TZ31-4021	TZ31-4022	TZ31-4023	TZ31-4024	TZ31-4025
		With hook	TZ31-4115	TZ31-4114	TZ31-4113	—	—	—	—	TZ31-4123	TZ31-4124	TZ31-4125
	22	Without hook	TZ32-4015	TZ32-4014	TZ32-4013	TZ32-4012	TZ32-4011	TZ32-4021	TZ32-4022	TZ32-4023	TZ32-4024	TZ32-4025
		With hook	TZ32-4115	TZ32-4114	TZ32-4113	—	—	—	—	TZ32-4123	TZ32-4124	TZ32-4125
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque			-17°	-12°	-6° *	-6°	-6°	-6°	-6°	-6° *	-12°	-17°
Tip			2°	2°	+3°	0°	0°	0°	0°	+3°	2°	2°
In/out mm			0.5	0.5	0.5	1.1	1.1	1.1	1.1	0.5	0.5	0.5
Width mm			2.9	2.9	3.0	2.4	2.4	2.4	2.4	3.0	2.9	2.9
REF	18	Without hook	TZ31-4045	TZ31-4044	TZ31-4043	TZ31-4041	TZ31-4041	TZ31-4031	TZ31-4031	TZ31-4033	TZ31-4034	TZ31-4035
		With hook	TZ31-4145	TZ31-4144	TZ31-4143	—	—	—	—	TZ31-4133	TZ31-4134	TZ31-4135
	22	Without hook	TZ32-4045	TZ32-4044	TZ32-4043	TZ32-4041	TZ32-4041	TZ32-4031	TZ32-4031	TZ32-4033	TZ32-4034	TZ32-4035
		With hook	TZ32-4145	TZ32-4144	TZ32-4143	—	—	—	—	TZ32-4133	TZ32-4134	TZ32-4135
Single Packs			10	10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TZ31-40	TZ31-43	TZ31-44
22	1 Kit	20pcs	TZ32-40	TZ32-43	TZ32-44



*These are ORU's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.

Maxillary

Mandibular

Upper & Lower

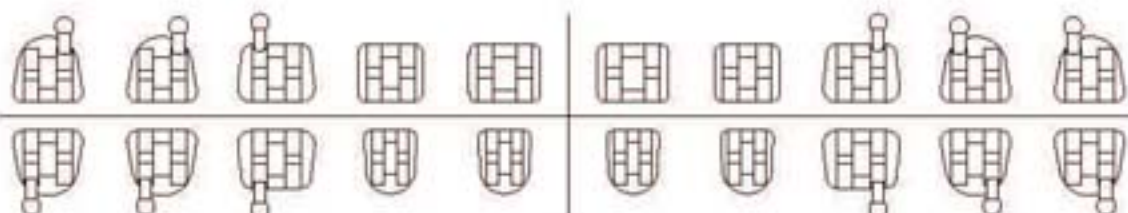
Metal Brackets ■

Gem Series Brackets

Standard Edge-wise Brackets

Gem series / 80 Mesh base/Regular size

Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Width mm		2.8	2.8	2.8	2.8	3.2	3.2	2.8	2.8	2.8	2.8
REF	18	Without hook	TB11-1014	TB11-1014	TB11-1013	TB11-1012	TB11-1011	TB11-1011	TB11-1012	TB11-1013	TB11-1014
		With hook	TB11-1114	TB11-1114	TB11-1113	—	—	—	—	TB11-1123	TB11-1124
	22	Without hook	TB12-1014	TB12-1014	TB12-1013	TB12-1012	TB12-1011	TB12-1011	TB12-1012	TB12-1013	TB12-1014
		With hook	TB12-1114	TB12-1114	TB12-1113	—	—	—	—	TB12-1123	TB12-1124
Single Packs		10	10	10	10	10	10	10	10	10	10



Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Width mm		2.8	2.8	2.8	2.4	2.4	2.4	2.4	2.8	2.8	2.8
REF	18	Without hook	TB11-1014	TB11-1014	TB11-1013	TB11-1031	TB11-1031	TB11-1031	TB11-1031	TB11-1013	TB11-1014
		With hook	TB11-1114	TB11-1114	TB11-1123	—	—	—	—	TB11-1113	TB11-1124
	22	Without hook	TB12-1014	TB12-1014	TB12-1013	TB12-1031	TB12-1031	TB12-1031	TB12-1031	TB12-1013	TB12-1014
		With hook	TB12-1114	TB12-1114	TB12-1123	—	—	—	—	TB12-1113	TB12-1124
Single Packs		10	10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB11-10	TB11-13	TB11-14
22	1 Kit	20pcs	TB12-10	TB12-13	TB12-14



Standard Roth* Brackets

Gem series / 80 Mesh base/Regular size

Torque		-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°
Tip		0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°
In/out mm		0.9	0.9	0.9	1.4	0.9	0.9	1.4	0.9	0.9	0.9
Width mm		2.8	2.8	3.0	2.8	3.3	3.3	2.8	3.0	2.8	2.8
REF	18	Without hook	TB21-1014	TB21-1014	TB21-1013	TB21-1012	TB21-1011	TB21-1021	TB21-1022	TB21-1023	TB21-1024
		With hook	TB21-1114	TB21-1114	TB21-1113	—	—	—	—	TB21-1123	TB21-1124
	22	Without hook	TB22-1014	TB22-1014	TB22-1013	TB22-1012	TB22-1011	TB22-1021	TB22-1022	TB22-1023	TB22-1024
		With hook	TB22-1114	TB22-1114	TB22-1113	—	—	—	—	TB22-1123	TB22-1124
Single Packs		10	10	10	10	10	10	10	10	10	10



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		0.9	0.9	0.9	1.3	1.3	1.3	1.3	0.9	0.9	0.9	
Width mm		2.8	2.8	3.0	2.4	2.4	2.4	2.4	3.0	2.8	2.8	
REF	18	Without hook	TB21-1045	TB21-1044	TB21-1043	TB21-1031	TB21-1031	TB21-1031	TB21-1031	TB21-1033	TB21-1034	TB21-1035
		With hook	TB21-1145	TB21-1144	TB21-1143	—	—	—	—	TB21-1133	TB21-1134	TB21-1135
	22	Without hook	TB22-1045	TB22-1044	TB22-1043	TB22-1031	TB22-1031	TB22-1031	TB22-1031	TB22-1033	TB22-1034	TB22-1035
		With hook	TB22-1145	TB22-1144	TB22-1143	—	—	—	—	TB22-1133	TB22-1134	TB22-1135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB21-10	TB21-13	TB21-14
22	1 Kit	20pcs	TB22-10	TB22-13	TB22-14



*ORU's version of Roth is not claimed to be a duplication of any other, nor does ORU imply that it is endorsed in any way by Dr. Roth.

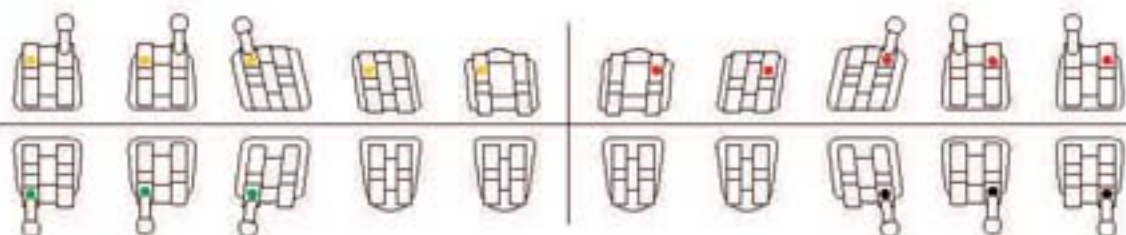
Metal Brackets ■

Gem Series Brackets

Standard Sliding-MBT* Brackets

Gem series / 80 Mesh base/Regular size

Torque		-7°	-7°	-7°*	+10°	+17°	+17°	+10°	-7°*	-7°	-7°	
Tip		0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°	
In/out mm		1.1	0.8	0.7	1.3	0.8	0.8	1.3	0.7	0.8	1.1	
Width mm		3.0	3.0	3.0	3.0	3.6	3.6	3.0	3.0	3.0	3.0	
REF	18	Without hook	TB31-1015	TB31-1014	TB31-1013	TB31-1012	TB31-1011	TB31-1021	TB31-1022	TB31-1023	TB31-1024	TB31-1025
		With hook	TB31-1115	TB31-1114	TB31-1113	—	—	—	—	TB31-1123	TB31-1124	TB31-1125
	22	Without hook	TB32-1015	TB32-1014	TB32-1013	TB32-1012	TB32-1011	TB32-1021	TB32-1022	TB32-1023	TB32-1024	TB32-1025
		With hook	TB32-1115	TB32-1114	TB32-1113	—	—	—	—	TB32-1123	TB32-1124	TB32-1125
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-17°	-12°	-6°*	-6°	-6°	-6°	-6°	-6°*	-12°	-17°	
Tip		2°	2°	+3°	0°	0°	0°	0°	+3°	2°	2°	
In/out mm		0.7	0.7	0.7	1.3	1.3	1.3	1.3	0.7	0.7	0.7	
Width mm		3.0	3.0	3.0	2.6	2.6	2.6	2.6	3.0	3.0	3.0	
REF	18	Without hook	TB31-1045	TB31-1044	TB31-1043	TB31-1041	TB31-1041	TB31-1031	TB31-1031	TB31-1033	TB31-1034	TB31-1035
		With hook	TB31-1145	TB31-1144	TB31-1143	—	—	—	—	TB31-1133	TB31-1134	TB31-1135
	22	Without hook	TB32-1045	TB32-1044	TB32-1043	TB32-1041	TB32-1041	TB32-1031	TB32-1031	TB32-1033	TB32-1034	TB32-1035
		With hook	TB32-1145	TB32-1144	TB32-1143	—	—	—	—	TB32-1133	TB32-1134	TB32-1135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB31-10	TB31-13	TB31-14
22	1 Kit	20pcs	TB32-10	TB32-13	TB32-14

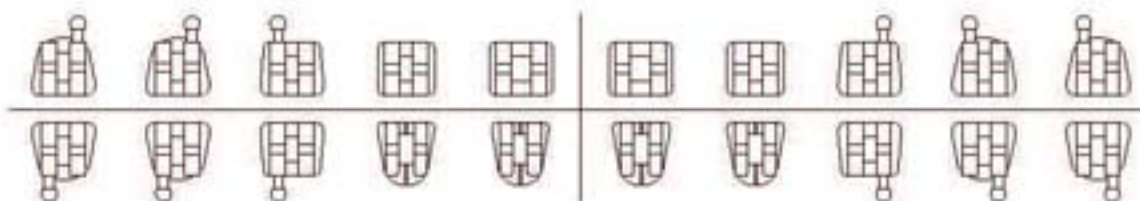


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Mini Edge-wise Brackets

Gem series / 80 Mesh base/Mini size

Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	
Width mm		2.6	2.6	2.6	2.6	3.0	3.0	2.6	2.6	2.6	2.6	
REF	18	Without hook	TB11-2014	TB11-2014	TB11-2013	TB11-2012	TB11-2011	TB11-2011	TB11-2012	TB11-2013	TB11-2014	TB11-2014
		With hook	TB11-2114	TB11-2114	TB11-2113	—	—	—	—	TB11-2123	TB11-2124	TB11-2124
	22	Without hook	TB12-2014	TB12-2014	TB12-2013	TB12-2012	TB12-2011	TB12-2011	TB12-2012	TB12-2013	TB12-2014	TB12-2014
		With hook	TB12-2114	TB12-2114	TB12-2113	—	—	—	—	TB12-2123	TB12-2124	TB12-2124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	
Width mm		2.6	2.6	2.6	2.4	2.4	2.4	2.4	2.6	2.6	2.6	
REF	18	Without hook	TB11-2014	TB11-2014	TB11-2013	TB11-2031	TB11-2031	TB11-2031	TB11-2031	TB11-2013	TB11-2014	TB11-2014
		With hook	TB11-2114	TB11-2114	TB11-2123	—	—	—	—	TB11-2113	TB11-2124	TB11-2124
	22	Without hook	TB12-2014	TB12-2014	TB12-2013	TB12-2031	TB12-2031	TB12-2031	TB12-2031	TB12-2013	TB12-2014	TB12-2014
		With hook	TB12-2114	TB12-2114	TB12-2123	—	—	—	—	TB12-2113	TB12-2124	TB12-2124
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB11-20	TB11-23	TB11-24
22	1 Kit	20pcs	TB12-20	TB12-23	TB12-24



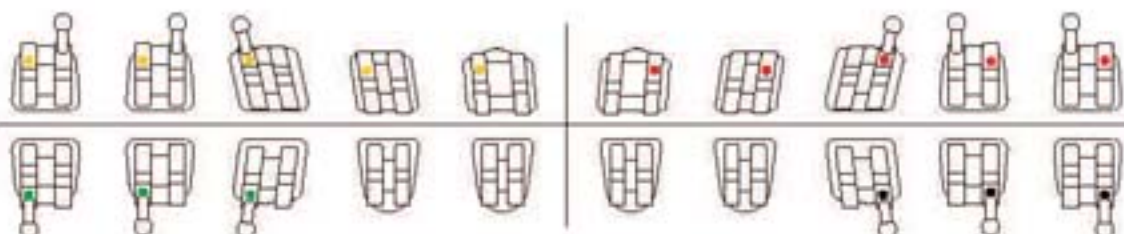
Metal Brackets ■

Gem Series Brackets

Mini Roth* Brackets

Gem series / 80 Mesh base/Mini size

Torque		-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°
Tip		0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°
In/out mm		0.8	0.8	0.8	1.3	0.8	0.8	1.3	0.8	0.8	0.8
Width mm		2.6	2.6	2.8	2.6	3.0	3.0	2.6	2.8	2.6	2.6
REF	18	Without hook	TB21-2014	TB21-2014	TB21-2013	TB21-2012	TB21-2011	TB21-2021	TB21-2022	TB21-2023	TB21-2024
		With hook	TB21-2114	TB21-2114	TB21-2113	—	—	—	—	TB21-2123	TB21-2124
	22	Without hook	TB22-2014	TB22-2014	TB22-2013	TB22-2012	TB22-2011	TB22-2021	TB22-2022	TB22-2023	TB22-2024
		With hook	TB22-2114	TB22-2114	TB22-2113	—	—	—	—	TB22-2123	TB22-2124
Single Packs		10	10	10	10	10	10	10	10	10	10



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		0.8	0.8	0.8	1.2	1.2	1.2	1.2	0.8	0.8	0.8	
Width mm		2.6	2.6	2.8	2.4	2.4	2.4	2.4	2.8	2.6	2.6	
REF	18	Without hook	TB21-2045	TB21-2044	TB21-2043	TB21-2031	TB21-2031	TB21-2031	TB21-2031	TB21-2033	TB21-2034	TB21-2035
		With hook	TB21-2145	TB21-2144	TB21-2143	—	—	—	—	TB21-2133	TB21-2134	TB21-2135
	22	Without hook	TB22-2045	TB22-2044	TB22-2043	TB22-2031	TB22-2031	TB22-2031	TB22-2031	TB22-2033	TB22-2034	TB22-2035
		With hook	TB22-2145	TB22-2144	TB22-2143	—	—	—	—	TB22-2133	TB22-2134	TB22-2135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB21-20	TB21-23	TB21-24
22	1 Kit	20pcs	TB22-20	TB22-23	TB22-24

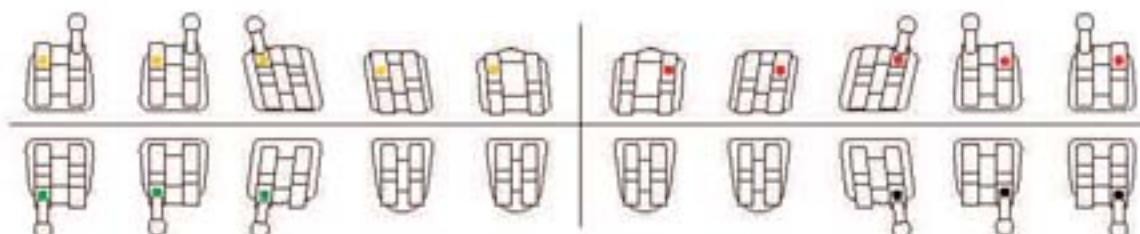


*ORJ's version of Roth is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by Dr. Roth.

Mini Sliding-MBT* Brackets

Gem series / 80 Mesh base/Mini size

Torque		-7°	-7°	-7°*	+10°	+17°	+17°	+10°	-7°*	-7°	-7°
Tip		0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°
In/out mm		0.8	0.8	0.7	1.2	0.8	0.8	1.2	0.7	0.8	0.8
Width mm		2.8	2.8	3.0	2.8	3.4	3.4	2.8	3.0	2.8	2.8
REF	18	Without hook	TB31-2014	TB31-2014	TB31-2013	TB31-2012	TB31-2011	TB31-2021	TB31-2022	TB31-2023	TB31-2024
		With hook	TB31-2114	TB31-2114	TB31-2113	—	—	—	—	TB31-2123	TB31-2124
	22	Without hook	TB32-2014	TB32-2014	TB32-2013	TB32-2012	TB32-2011	TB32-2021	TB32-2022	TB32-2023	TB32-2024
		With hook	TB32-2114	TB32-2114	TB32-2113	—	—	—	—	TB32-2123	TB32-2124
Single Packs		10	10	10	10	10	10	10	10	10	10



Torque		-17°	-12°	-6°*	-6°	-6°	-6°	-6°	-6°*	-12°	-17°	
Tip		0°	0°	+3°	0°	0°	0°	0°	+3°	0°	0°	
In/out mm		0.7	0.7	0.7	1.2	1.2	1.2	1.2	0.7	0.7	0.7	
Width mm		2.8	2.8	3.0	2.4	2.4	2.4	2.4	3.0	2.8	2.8	
REF	18	Without hook	TB31-2045	TB31-2044	TB31-2043	TB31-2041	TB31-2041	TB31-2031	TB31-2031	TB31-2033	TB31-2034	TB31-2035
		With hook	TB31-2145	TB31-2144	TB31-2143	—	—	—	—	TB31-2133	TB31-2134	TB31-2135
	22	Without hook	TB32-2045	TB32-2044	TB32-2043	TB32-2041	TB32-2041	TB32-2031	TB32-2031	TB32-2033	TB32-2034	TB32-2035
		With hook	TB32-2145	TB32-2144	TB32-2143	—	—	—	—	TB32-2133	TB32-2134	TB32-2135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB31-20	TB31-23	TB31-24
22	1 Kit	20pcs	TB32-20	TB32-23	TB32-24



*These are ORU's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.

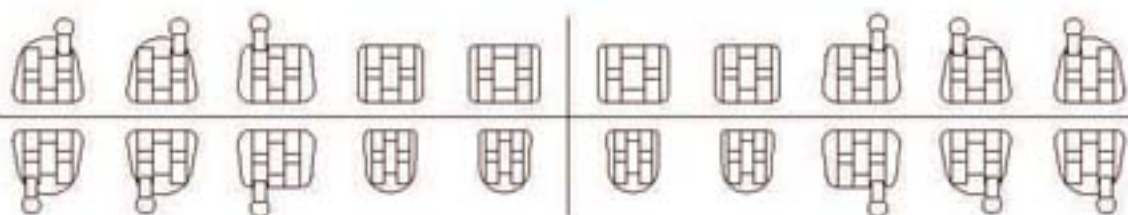
Metal Brackets ■

Crystal Series Brackets

Standard Edge-wise Brackets

Crystal series / 80 Mesh base/Regular size

Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Width mm		2.7	2.7	2.7	2.7	3.0	3.0	2.7	2.7	2.7	2.7	
REF	18	Without hook	TS11-1014	TS11-1014	TS11-1013	TS11-1012	TS11-1011	TS11-1011	TS11-1012	TS11-1013	TS11-1014	TS11-1014
		With hook	TS11-1114	TS11-1114	TS11-1113	—	—	—	—	TS11-1123	TS11-1124	TS11-1124
	22	Without hook	TS12-1014	TS12-1014	TS12-1013	TS12-1012	TS12-1011	TS12-1011	TS12-1012	TS12-1013	TS12-1014	TS12-1014
		With hook	TS12-1114	TS12-1114	TS12-1113	—	—	—	—	TS12-1123	TS12-1124	TS12-1124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Width mm		2.7	2.7	2.7	2.4	2.4	2.4	2.4	2.7	2.7	2.7	
REF	18	Without hook	TS11-1014	TS11-1014	TS11-1013	TS11-1031	TS11-1031	TS11-1031	TS11-1031	TS11-1013	TS11-1014	TS11-1014
		With hook	TS11-1114	TS11-1114	TS11-1123	—	—	—	—	TS11-1113	TS11-1124	TS11-1124
	22	Without hook	TS12-1014	TS12-1014	TS12-1013	TS12-1031	TS12-1031	TS12-1031	TS12-1031	TS12-1013	TS12-1014	TS12-1014
		With hook	TS12-1114	TS12-1114	TS12-1123	—	—	—	—	TS12-1113	TS12-1124	TS12-1124
Single Packs		10	10	10	10	10	10	10	10	10	10	

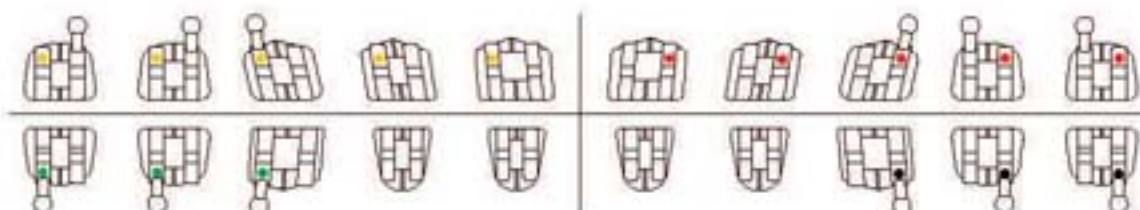
Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TS11-10	TS11-13	TS11-14
22	1 Kit	20pcs	TS12-10	TS12-13	TS12-14



Standard Roth* Brackets

Crystal series / 80 Mesh base/Regular size

Torque		-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°	
Tip		0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°	
In/out mm		0.8	0.8	0.8	1.3	0.9	0.9	1.3	0.8	0.8	0.8	
Width mm		3.0	3.0	3.0	2.8	3.2	3.2	2.8	3.0	3.0	3.0	
REF	18	Without hook	TS21-1014	TS21-1014	TS21-1013	TS21-1012	TS21-1011	TS21-1021	TS21-1022	TS21-1023	TS21-1024	TS21-1024
		With hook	TS21-1114	TS21-1114	TS21-1113	—	—	—	—	TS21-1123	TS21-1124	TS21-1124
	22	Without hook	TS22-1014	TS22-1014	TS22-1013	TS22-1012	TS22-1011	TS22-1021	TS22-1022	TS22-1023	TS22-1024	TS22-1024
		With hook	TS22-1114	TS22-1114	TS22-1113	—	—	—	—	TS22-1123	TS22-1124	TS22-1124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		0.8	0.8	0.8	1.3	1.3	1.3	1.3	0.8	0.8	0.8	
Width mm		3.0	3.0	3.0	2.4	2.4	2.4	2.4	3.0	3.0	3.0	
REF	18	Without hook	TS21-1045	TS21-1044	TS21-1043	TS21-1031	TS21-1031	TS21-1031	TS21-1031	TS21-1033	TS21-1034	TS21-1035
		With hook	TS21-1145	TS21-1144	TS21-1143	—	—	—	—	TS21-1133	TS21-1134	TS21-1135
	22	Without hook	TS22-1045	TS22-1044	TS22-1043	TS22-1031	TS22-1031	TS22-1031	TS22-1031	TS22-1033	TS22-1034	TS22-1035
		With hook	TS22-1145	TS22-1144	TS22-1143	—	—	—	—	TS22-1133	TS22-1134	TS22-1135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TS21-10	TS21-13	TS21-14
22	1 Kit	20pcs	TS22-10	TS22-13	TS22-14



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Maxillary

Mandibular

Upper & Lower

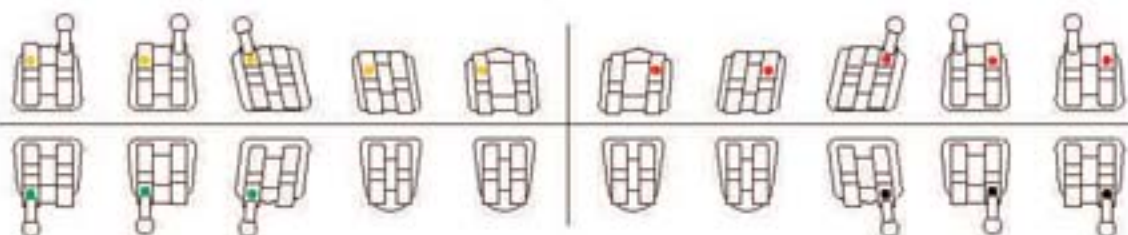
Metal Brackets ■

Crystal Series Brackets

Standard Sliding-MBT* Brackets

Crystal series / 80 Mesh base/Regular size

Torque		-7°	-7°	-7°*	+10°	+17°	+17°	+10°	-7°*	-7°	-7°	
Tip		0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°	
In/out mm		1.1	0.8	0.7	1.3	0.8	0.8	1.3	0.7	0.8	1.1	
Width mm		3.0	3.0	3.0	3.0	3.6	3.6	3.0	3.0	3.0	3.0	
REF	18	Without hook	TS31-1015	TS31-1014	TS31-1013	TS31-1012	TS31-1011	TS31-1021	TS31-1022	TS31-1023	TS31-1024	TS31-1025
		With hook	TS31-1115	TS31-1114	TS31-1113	—	—	—	—	TS31-1123	TS31-1124	TS31-1125
	22	Without hook	TS32-1015	TS32-1014	TS32-1013	TS32-1012	TS32-1011	TS32-1021	TS32-1022	TS32-1023	TS32-1024	TS32-1025
		With hook	TS32-1115	TS32-1114	TS32-1113	—	—	—	—	TS32-1123	TS32-1124	TS32-1125
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-17°	-12°	-6°*	-6°	-6°	-6°	-6°	-6°*	-12°	-17°	
Tip		2°	2°	+3°	0°	0°	0°	0°	+3°	2°	2°	
In/out mm		0.7	0.7	0.7	1.3	1.3	1.3	1.3	0.7	0.7	0.7	
Width mm		3.0	3.0	3.0	2.6	2.6	2.6	2.6	3.0	3.0	3.0	
REF	18	Without hook	TS31-1045	TS31-1044	TS31-1043	TS31-1041	TS31-1041	TS31-1031	TS31-1031	TS31-1033	TS31-1034	TS31-1035
		With hook	TS31-1145	TS31-1144	TS31-1143	—	—	—	—	TS31-1133	TS31-1134	TS31-1135
	22	Without hook	TS32-1045	TS32-1044	TS32-1043	TS32-1041	TS32-1041	TS32-1031	TS32-1031	TS32-1033	TS32-1034	TS32-1035
		With hook	TS32-1145	TS32-1144	TS32-1143	—	—	—	—	TS32-1133	TS32-1134	TS32-1135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TS31-10	TS31-13	TS31-14
22	1 Kit	20pcs	TS32-10	TS32-13	TS32-14



*These are ORP's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.

Maxillary

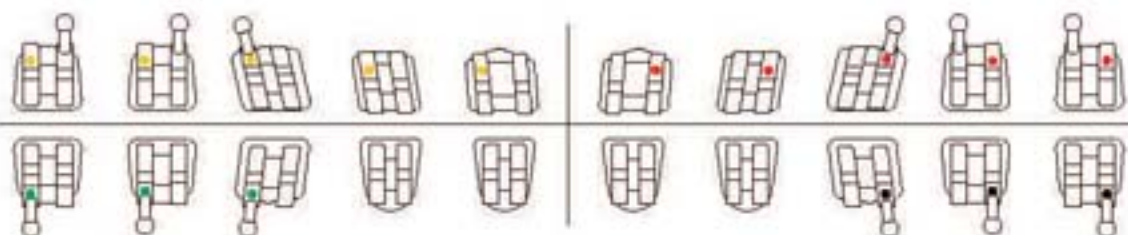
Mandibular

Upper & Lower

Mini Roth* Brackets

Crystal series / 80 Mesh base / Mini size

Torque			-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°
Tip			0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°
In/out mm			0.8	0.8	0.8	1.3	0.8	0.8	1.3	0.8	0.8	0.8
Width mm			2.8	2.8	2.9	2.7	3.3	3.3	2.7	2.9	2.8	2.8
REF	18	With hook	T821-2114	T821-2114	T821-2113	T821-2012	T821-2011	T821-2021	T821-2022	T821-2123	T821-2124	T821-2124
	22	With hook	T822-2114	T822-2114	T822-2113	T822-2012	T822-2011	T822-2021	T822-2022	T822-2123	T822-2124	T822-2124
Single Packs			10	10	10	10	10	10	10	10	10	10



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		0.8	0.8	0.8	1.2	1.2	1.2	1.2	0.8	0.8	0.8	
Width mm		2.8	2.8	2.9	2.4	2.4	2.4	2.4	2.9	2.8	2.8	
REF	18	Without hook	T821-2045	T821-2044	T821-2043	T821-2031	T821-2031	T821-2031	T821-2031	T821-2033	T821-2034	T821-2035
		With hook	T821-2145	T821-2144	T821-2143	—	—	—	—	T821-2133	T821-2134	T821-2135
	22	Without hook	T822-2045	T822-2044	T822-2043	T822-2031	T822-2031	T822-2031	T822-2031	T822-2033	T822-2034	T822-2035
		With hook	T822-2145	T822-2144	T822-2143	—	—	—	—	T822-2133	T822-2134	T822-2135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	3,4,5 With hooks
18	1 Kit	20pcs	T821-24
22	1 Kit	20pcs	T822-24



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Maxillary

Mandibular

Upper & Lower

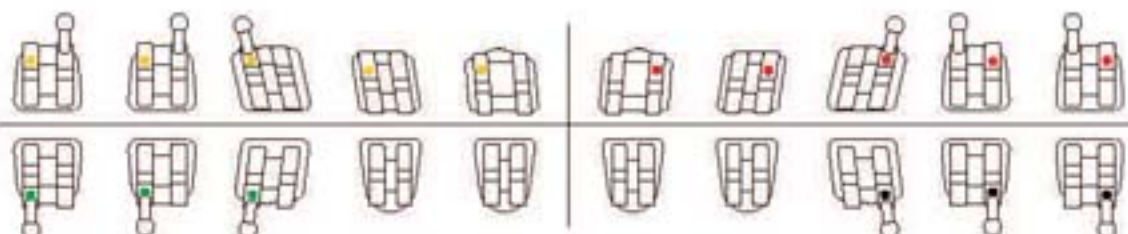
Metal Brackets ■

Crystal Series Brackets

Mini Sliding-MBT* Brackets

Crystal series / 80 Mesh base / Mini size

Torque			-7°	-7°	-7°*	+10°	+17°	+17°	+10°	-7°*	-7°	-7°
Tip			0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°
In/out mm			1.1	0.8	0.7	1.2	0.8	0.8	1.2	0.7	0.8	1.1
Width mm			2.8	2.8	2.9	2.8	3.4	3.4	2.8	2.9	2.8	2.8
REF	18	With hook	T831-2114	T831-2114	T831-2113	T831-2012	T831-2011	T831-2021	T831-2022	T831-2123	T831-2124	T831-2124
	22	With hook	T832-2114	T832-2114	T832-2113	T832-2012	T832-2011	T832-2021	T832-2022	T832-2123	T832-2124	T832-2124
Single Packs			10	10	10	10	10	10	10	10	10	10



Torque		-17°	-12°	-6°*	-6°	-6°	-6°	-6°	-6°*	-12°	-17°	
Tip		2°	2°	+3°	0°	0°	0°	0°	+3°	2°	2°	
In/out mm		0.7	0.7	0.7	1.2	1.2	1.2	1.2	0.7	0.7	0.7	
Width mm		2.8	2.8	2.9	2.4	2.4	2.4	2.4	2.9	2.8	2.8	
REF	18	Without hook	T831-2045	T831-2044	T831-2043	T831-2041	T831-2041	T831-2031	T831-2031	T831-2033	T831-2034	T831-2035
		With hook	T831-2145	T831-2144	T831-2143	—	—	—	—	T831-2133	T831-2134	T831-2135
	22	Without hook	T832-2045	T832-2044	T832-2043	T832-2041	T832-2041	T832-2031	T832-2031	T832-2033	T832-2034	T832-2035
		With hook	T832-2145	T832-2144	T832-2143	—	—	—	—	T832-2133	T832-2134	T832-2135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	3,4,5 With hooks
18	1 Kit	20pcs	T831-24
22	1 Kit	20pcs	T832-24



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Maxillary

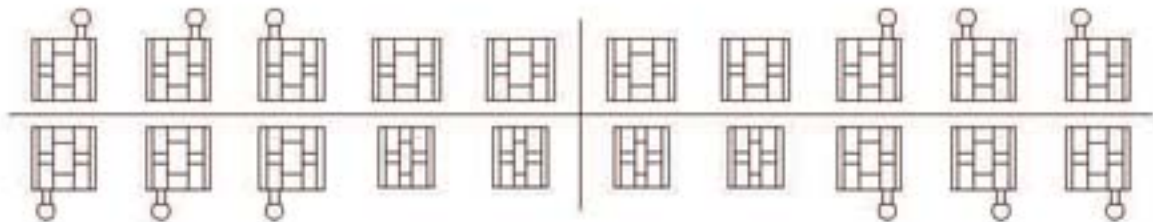
Mandibular

Upper & Lower

Standard Edge-wise Brackets

Traditional series/Swallow-tailed base/One-piece construction

Torque	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Width mm	3.0	3.0	3.0	3.0	3.2	3.2	3.0	3.0	3.0	3.0
REF 22	Without hook With hook	TC12-1014	TC12-1014	TC12-1013	TC12-1012	TC12-1011	TC12-1011	TC12-1012	TC12-1013	TC12-1014
		TC12-1114	TC12-1114	TC12-1113	—	—	—	—	TC12-1113	TC12-1114
Single Packs		10	10	10	10	10	10	10	10	10



Torque	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Width mm	3.0	3.0	3.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0
REF 22	Without hook With hook	TC12-1014	TC12-1014	TC12-1013	TC12-1031	TC12-1031	TC12-1031	TC12-1031	TC12-1013	TC12-1014
		TC12-1114	TC12-1114	TC12-1113	—	—	—	—	TC12-1113	TC12-1114
Single Packs		10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
22	1 Kit	20pcs	TC12-10	TC12-13	TC12-14



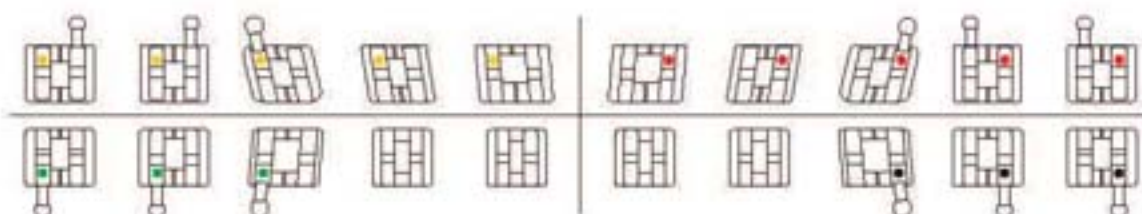
Metal Brackets ■

Traditional Series Brackets

Standard Roth* Brackets

Traditional series/Swallow-tailed base/One-piece construction

Torque	-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°
Tip	0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°
In/out mm	1.2	1.2	1.2	1.7	1.2	1.2	1.7	1.2	1.2	1.2
Width mm	3.0	3.0	3.2	2.8	3.2	3.2	2.8	3.2	3.0	3.0
REF 22	Without hook With hook	TC22-1014	TC22-1014	TC22-1013	TC22-1012	TC22-1011	TC22-1021	TC22-1022	TC22-1023	TC22-1024
		TC22-1114	TC22-1114	TC22-1113	—	—	—	—	TC22-1123	TC22-1124
Single Packs		10	10	10	10	10	10	10	10	10



Torque	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°
Tip	0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°
In/out mm	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.2	1.2	1.2
Width mm	3.0	3.0	3.2	2.4	2.4	2.4	2.4	3.2	3.0	3.0
REF 22	Without hook With hook	TC22-1045	TC22-1044	TC22-1043	TC22-1031	TC22-1031	TC22-1031	TC22-1031	TC22-1033	TC22-1034
		TC22-1145	TC22-1144	TC22-1143	—	—	—	—	TC22-1133	TC22-1134
Single Packs		10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
22	1 Kit	20pcs	TC22-10	TC22-13	TC22-14

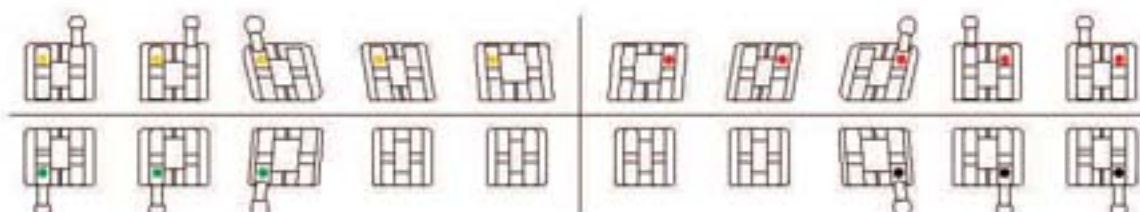


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Medium Roth* Brackets

Traditional series/Crossed slot base/One-piece construction/Medium size

Torque		-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°	
Tip		0°	0°	+13°	+9°	+5°	+5°	+9°	+13°	0°	0°	
In/out mm		1.2	1.2	1.2	1.7	1.2	1.2	1.7	1.2	1.2	1.2	
Width mm		2.8	2.8	2.9	2.7	3.2	3.2	2.7	2.9	2.8	2.8	
REF	18	Without hook	TC21-4014C	TC21-4014C	TC21-4013C	TC21-4012C	TC21-4011C	TC21-4021C	TC21-4022C	TC21-4023C	TC21-4024C	TC21-4024C
		With hook	TC21-4114C	TC21-4114C	TC21-4113C	—	—	—	—	—	TC21-4123C	TC21-4124C
	22	Without hook	TC22-4014C	TC22-4014C	TC22-4013C	TC22-4012C	TC22-4011C	TC22-4021C	TC22-4022C	TC22-4023C	TC22-4024C	TC22-4024C
		With hook	TC22-4114C	TC22-4114C	TC22-4113C	—	—	—	—	—	TC22-4123C	TC22-4124C
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.2	1.2	1.2	
Width mm		2.8	2.8	2.9	2.4	2.4	2.4	2.4	2.9	2.8	2.8	
REF	18	Without hook	TC21-4045C	TC21-4044C	TC21-4043C	TC21-4031C	TC21-4031C	TC21-4031C	TC21-4031C	TC21-4033C	TC21-4034C	TC21-4035C
		With hook	TC21-4145C	TC21-4144C	TC21-4143C	—	—	—	—	TC21-4133C	TC21-4134C	TC21-4135C
	22	Without hook	TC22-4045C	TC22-4044C	TC22-4043C	TC22-4031C	TC22-4031C	TC22-4031C	TC22-4031C	TC22-4033C	TC22-4034C	TC22-4035C
		With hook	TC22-4145C	TC22-4144C	TC22-4143C	—	—	—	—	TC22-4133C	TC22-4134C	TC22-4135C
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TC21-43C	TC21-44C
22	1 Kit	20pcs	TC22-43C	TC22-44C



Crossed slot base



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Maxillary



Mandibular



Upper & Lower

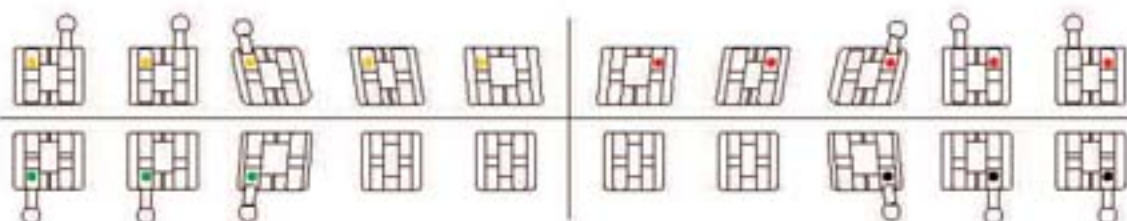
Metal Brackets ■

Traditional Series Brackets

Medium Sliding-MBT* Brackets

Traditional series/Crossed slot base/One-piece construction/medium size

Torque		-7°	-7°	-7°	+10°	+17°	+17°	+10°	-7°	-7°	-7°	
Tip		0°	0°	+10°	+9°	+5°	+5°	+9°	+10°	0°	0°	
In/out mm		1.5	1.2	1.2	1.7	1.2	1.2	1.7	1.2	1.2	1.5	
Width mm		2.9	2.9	3.1	2.9	3.4	3.4	2.9	3.1	2.9	2.9	
REF	18	Without hook	TC31-4014C	TC31-4014C	TC31-4013C	TC31-4012C	TC31-4011C	TC31-4021C	TC31-4022C	TC31-4023C	TC31-4024C	TC31-4024C
		With hook	TC31-4114C	TC31-4114C	TC31-4113C	—	—	—	—	TC31-4123C	TC31-4124C	TC31-4124C
	22	Without hook	TC32-4014C	TC32-4014C	TC32-4013C	TC32-4012C	TC32-4011C	TC32-4021C	TC32-4022C	TC32-4023C	TC32-4024C	TC32-4024C
		With hook	TC32-4114C	TC32-4114C	TC32-4113C	—	—	—	—	TC32-4123C	TC32-4124C	TC32-4124C
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.2	1.2	1.2	
Width mm		2.9	2.9	3.1	2.4	2.4	2.4	2.4	3.1	2.9	2.9	
REF	18	Without hook	TC31-4045C	TC31-4044C	TC31-4043C	TC31-4031C	TC31-4031C	TC31-4031C	TC31-4031C	TC31-4033C	TC31-4034C	TC31-4035C
		With hook	TC31-4145C	TC31-4144C	TC31-4143C	—	—	—	—	TC31-4133C	TC31-4134C	TC31-4135C
	22	Without hook	TC32-4045C	TC32-4044C	TC32-4043C	TC32-4031C	TC32-4031C	TC32-4031C	TC32-4031C	TC32-4033C	TC32-4034C	TC32-4035C
		With hook	TC32-4145C	TC32-4144C	TC32-4143C	—	—	—	—	TC32-4133C	TC32-4134C	TC32-4135C
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TC31-43C	TC31-44C
22	1 Kit	20pcs	TC32-43C	TC32-44C

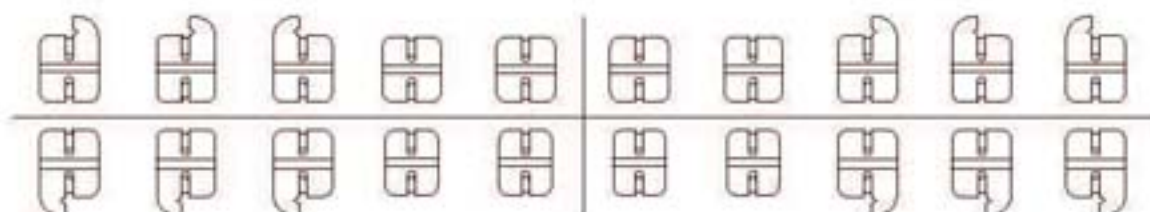


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Edge-wise Brackets

Clear series Ceramic/Transparent

Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
Width mm		3.2	3.2	3.2	3.0	3.6	3.6	3.0	3.2	3.2	3.2	
REF	18	Without hook	TT11-5014	TT11-5014	TT11-5013	TT11-5012	TT11-5011	TT11-5011	TT11-5012	TT11-5013	TT11-5014	TT11-5014
		With hook	TT11-5114	TT11-5114	TT11-5113	—	—	—	—	TT11-5123	TT11-5124	TT11-5124
	22	Without hook	TT12-5014	TT12-5014	TT12-5013	TT12-5012	TT12-5011	TT12-5011	TT12-5012	TT12-5013	TT12-5014	TT12-5014
		With hook	TT12-5114	TT12-5114	TT12-5113	—	—	—	—	TT12-5123	TT12-5124	TT12-5124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Width mm		3.2	3.2	3.2	3.0	2.6	2.6	3.0	3.2	3.2	3.2	
REF	18	Without hook	TT11-5014	TT11-5014	TT11-5013	TT11-5032	TT11-5031	TT11-5031	TT11-5032	TT11-5013	TT11-5014	
		With hook	TT11-5114	TT11-5114	TT11-5123	—	—	—	—	TT11-5113	TT11-5124	TT11-5124
	22	Without hook	TT12-5014	TT12-5014	TT12-5013	TT12-5031	TT12-5031	TT12-5031	TT12-5031	TT12-5013	TT12-5014	TT12-5014
		With hook	TT12-5114	TT12-5114	TT12-5123	—	—	—	—	TT12-5113	TT12-5124	TT12-5124
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TT11-50	TT11-53	TT11-54
22	1 Kit	20pcs	TT12-50	TT12-53	TT12-54



Maxillary



Mandibular



Upper & Lower

Ceramic Brackets

Clear Series

Roth* Brackets

Clear series Ceramic

Torque		-7°	-7°	-2°	+8°	+12°	+12°	+8°	-2°	-7°	-7°	
Tip		0°	0°	+10°	+9°	+5°	+5°	+9°	+10°	0°	0°	
In/out mm		1.2	1.2	1.2	1.7	1.2	1.2	1.7	1.2	1.2	1.2	
Width mm		3.2	3.2	3.2	3.0	3.6	3.6	3.0	3.2	3.2	3.2	
REF	18	Without hook	TT21-5014	TT21-5014	—	TT21-5012	TT21-5011	TT21-5021	TT21-5022	—	TT21-5024	TT21-5024
		With hook	TT21-5114	TT21-5114	TT21-5113	—	—	—	—	TT21-5123	TT21-5124	TT21-5124
	22	Without hook	TT22-5014	TT22-5014	—	TT22-5012	TT22-5011	TT22-5021	TT22-5022	—	TT22-5024	TT22-5024
		With hook	TT22-5114	TT22-5114	TT22-5113	—	—	—	—	TT22-5123	TT22-5124	TT22-5124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°	
Tip		0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°	
In/out mm		1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.2	1.2	1.2	
Width mm		3.2	3.2	3.2	3.0	2.6	2.6	3.0	3.2	3.2	3.2	
REF	18	Without hook	TT21-5045	TT21-5044	—	TT21-5032	TT21-5031	TT21-5031	TT21-5032	—	TT21-5034	TT21-5035
		With hook	TT21-5145	TT21-5144	TT21-5143	—	—	—	—	TT21-5133	TT21-5134	TT21-5135
	22	Without hook	TT22-5045	TT22-5044	—	TT22-5031	TT22-5031	TT22-5031	TT22-5031	—	TT22-5034	TT22-5035
		With hook	TT22-5145	TT22-5144	TT22-5143	—	—	—	—	TT22-5133	TT22-5134	TT22-5135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TT21-53	TT21-54
22	1 Kit	20pcs	TT22-53	TT22-54



*ORJ's version of Roth is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by Dr. Roth.

Clear series Ceramic

Torque		-7°	-7°	-7°	+10°	+17°	+17°	+10°	-7°	-7°	-7°	
Tip		0°	0°	+8°	+8°	+4°	+4°	+8°	+8°	0°	0°	
In/out mm		1.1	1.1	1.1	1.4	1.2	1.2	1.4	1.1	1.1	1.1	
Width mm		3.4	3.4	3.4	3.4	3.8	3.8	3.4	3.4	3.4	3.4	
REF	18	Without hook	TT31-5014	TT31-5014	—	TT31-5012	TT31-5011	TT31-5021	TT31-5022	—	TT31-5024	TT31-5024
		With hook	TT31-5114	TT31-5114	TT31-5113	—	—	—	—	TT31-5123	TT31-5124	TT31-5124
	22	Without hook	TT32-5014	TT32-5014	—	TT32-5012	TT32-5011	TT32-5021	TT32-5022	—	TT32-5024	TT32-5024
		With hook	TT32-5114	TT32-5114	TT32-5113	—	—	—	—	TT32-5123	TT32-5124	TT32-5124
Single Packs		10	10	10	10	10	10	10	10	10	10	



Torque		-17°	-12°	-6°	-6°	-6°	-6°	-6°	-6°	-12°	-17°	
Tip		+2°	+2°	+3°	0°	0°	0°	0°	+3°	+2°	+2°	
In/out mm		1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.1	1.1	1.1	
Width mm		3.4	3.4	3.4	3.0	3.0	3.0	3.0	3.4	3.4	3.4	
REF	18	Without hook	TT31-5045	TT31-5044	—	TT31-5032	TT31-5031	TT31-5031	TT31-5032	—	TT31-5034	TT31-5035
		With hook	TT31-5145	TT31-5144	TT31-5143	—	—	—	—	TT31-5133	TT31-5134	TT31-5135
	22	Without hook	TT32-5045	TT32-5044	—	TT32-5031	TT32-5031	TT32-5031	TT32-5031	—	TT32-5034	TT32-5035
		With hook	TT32-5145	TT32-5144	TT32-5143	—	—	—	—	TT32-5133	TT32-5134	TT32-5135
Single Packs		10	10	10	10	10	10	10	10	10	10	

Slot Size	Assortments Packs	Quantity	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TT31-53	TT31-54
22	1 Kit	20pcs	TT32-53	TT32-54



*These are ORJ's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.



Maxillary



Mandibular



Upper & Lower

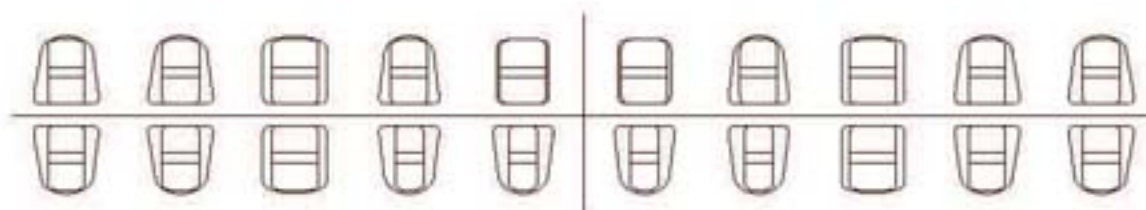
Metal Brackets ■

Merry Series

Tweed* Edge-wise Bracket

Merry series/ 80 Mesh base/with vertical slot

Torque	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Width mm	2.1	2.1	2.6	2.1	2.6	2.6	2.1	2.6	2.1	2.1
REF 22	TB12-3014V	TB12-3014V	TB12-3013V	TB12-3012V	TB12-3011V	TB12-3011V	TB12-3012V	TB12-3013V	TB12-3014V	TB12-3014V
Single Packs	10	10	10	10	10	10	10	10	10	10



Torque	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
Tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Width mm	2.1	2.1	2.6	1.6	1.6	1.6	1.6	2.6	2.1	2.1
REF 22	TB12-3014V	TB12-3014V	TB12-3013V	TB12-3031V	TB12-3031V	TB12-3031V	TB12-3031V	TB12-3031V	TB12-3014V	TB12-3014V
Single Packs	10	10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	Without hooks
22	1 Kit	20pcs	TB12-30V

*with vertical slot

Slot Size	Assortments Packs	Quantity	Without hooks
22	1 Kit	20pcs	TB12-30

*without vertical slot



*ORJ's version of Tweed brackets is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by others.



Maxillary



Mandibular

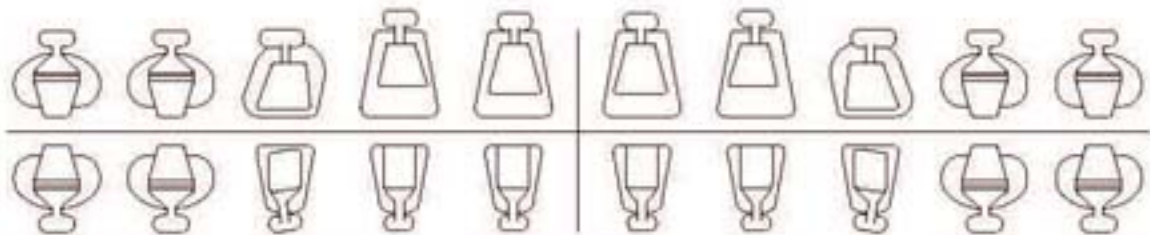


Upper & Lower

Standard Lingual* Brackets

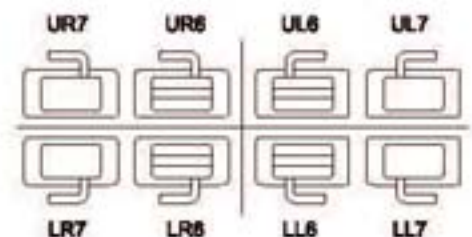
Merry series/ 80 Mesh base/Regular size

Torque		10°	10°	57°	60°	68°	68°	60°	57°	10°	10°
Tip		0°	0°	+12°	9°	5°	5°	9°	+12°	0°	0°
In/out mm		1.7	1.7	1.5	1.7	1.7	1.7	1.7	1.5	1.7	1.7
Width mm		2.5	2.5	3.0	2.7	3.0	3.0	2.7	3.0	2.5	2.5
REF	18	TB71-1114	TB71-1114	TB71-1113	TB71-1112	TB71-1111	TB71-1111	TB71-1122	TB71-1123	TB71-1114	TB71-1114
Single Packs		10	10	10	10	10	10	10	10	10	10



Torque	10°	10°	40°	46°	46°	46°	46°	40°	10°	10°
Tip	0°	0°	9°	0°	0°	0°	0°	9°	0°	0°
In/out mm	1.7	1.7	1.2	1.4	1.4	1.4	1.4	1.2	1.7	1.7
Width mm	2.5	2.5	1.8	1.8	1.8	1.8	1.8	1.8	2.5	2.5
REF	18	TB71-1114	TB71-1114	TB71-1143	TB71-1131	TB71-1031	TB71-1131	TB71-1133	TB71-1114	TB71-1114
Single Packs		10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	With hooks	Torque	9°	9°	9°	9°
18	1 Kit	28pcs(Brackets+Tubes)	TB71-14	Tip	0°	0°	0°	0°
				In/out mm	0.9	0.9	0.9	0.9
				Width mm	3.0	3.0	3.0	3.0
				REF	J771-5111	J671-5111	J671-5121	J771-5121
				Single Packs	10	10	10	10



-9°	-9°	-9°	-9°
0°	0°	0°	0°
0.9	0.9	0.9	0.9
3.0	3.0	3.0	3.0
J771-5141	J671-5141	J671-5131	J771-5131
10	10	10	10

*ORJ's version of Lingual Brackets is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by others.

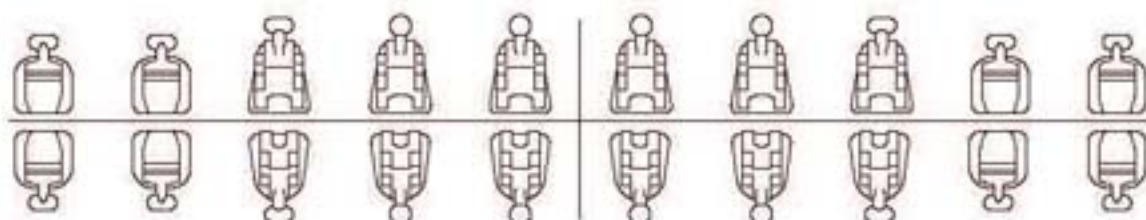
Metal Brackets ■

Merry Series

Mini ORG Lingual Brackets

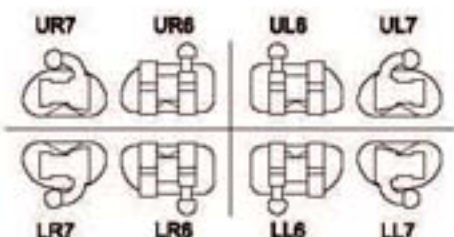
Merry Series/80 mesh base/Mini size/Anterior 0.018" slot, posterior 0.022" slot

Torque		-11°	-11°	-55°	-55°	-55°	-55°	-55°	-55°	-11°	-11°	
Tip		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	
In/out mm		0.7	0.7	1	1	1	1	1	1	0.7	0.7	
Width mm		1.8	1.8	2.5	2.5	2.5	2.5	2.5	2.5	1.8	1.8	
REF		18	—	—	TB71-2113	TB71-2111	TB71-2111	TB71-2111	TB71-2111	TB71-2113	—	—
		22	TB72-2114	TB72-2114	—	—	—	—	—	—	TB72-2114	TB72-2114
Single Packs		10	10	10	10	10	10	10	10	10	10	10



Torque			-11°	-11°	-40°	-40°	-40°	-40°	-40°	-40°	-11°	-11°
Tip			0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
In/out mm			0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Width mm			1.8	1.8	2.2	2.2	2.2	2.2	2.2	2.2	1.8	1.8
REF	321123 321123	18	—	—	TB71-2133	TB71-2131	TB71-2131	TB71-2131	TB71-2131	TB71-2133	—	—
	321123 321123	22	TB72-2114	TB72-2114	—	—	—	—	—	—	TB72-2114	TB72-2114
Single Packs			10	10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	With hooks	Torque	10°	10°	10°	10°
321123 321123 321123	18	1 Kit	28pcs(Brackets+Tubes)	TB73-24J	Tip	0°	0°	0°
321123 321123 321123	22	1 Kit	20pcs(Brackets)	TB73-24	In/out mm	0.5	0.8	0.8
					Width mm	3.0	3.5	3.5
					REF	22	J772-5111	J672-5111
							J672-5121	J772-5121
					Single Packs		10	10



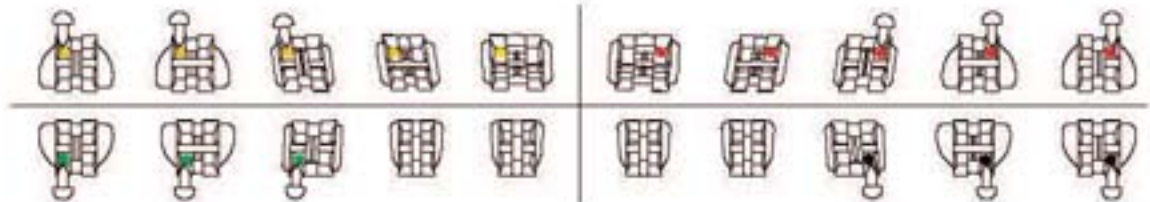
Torque	0°	0°	0°	0°
Tip	0°	0°	0°	0°
In/out mm	0.5	0.8	0.8	0.5
Width mm	3.0	3.5	3.5	3.0
REF	22	J772-5141	J672-5141	J672-5131
Single Packs		10	10	10

*ORJ's version of ORG Brackets is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by others.

Bio-progressive Ricketts Brackets

80 mesh base/Mini size/0.018" slot

Torque	0°	0°	+7°	+14°	+22°	+22°	+14°	+7°	0°	0°
Tip	0°	0°	+8°	+10°	+3°	+3°	+10°	+8°	0°	0°
In/out mm	1.1	0.6	1.0	0.9	0.9	0.9	0.9	1.0	0.6	1.1
Width mm	2.5	2.5	2.7	2.5	3.2	3.2	2.5	2.7	2.5	2.5
REF 18	Without hook With hook	—	—	—	TB91-2012	TB91-2011	TB91-2021	TB91-2022	—	—
		TB91-2115	TB91-2114	TB91-2113	—	—	—	—	TB91-2123	TB91-2124
Single Packs		10	10	10	10	10	10	10	10	10



Torque	0°	0°	+7°	0°	0°	0°	0°	+7°	0°	0°
Tip	0°	0°	+4°	0°	0°	0°	0°	+4°	0°	0°
In/out mm	1.1	0.6	1.0	0.9	0.9	0.9	0.9	1.0	0.6	1.1
Width mm	2.5	2.5	2.7	2.2	2.2	2.2	2.2	2.7	2.5	2.5
REF 18	Without hook With hook	—	—	—	TB91-2031	TB91-2031	TB91-2031	TB91-2031	—	—
		TB91-2125	TB91-2124	TB91-2143	—	—	—	—	TB91-2133	TB91-2114
Single Packs		10	10	10	10	10	10	10	10	10

Slot Size	Assortments Packs	Quantity	3,4,5 With hooks
18	1 Kit	20pcs	TB91-24



	Page
Diamond series / Bondable buccal tubes	43
Crystal series / Weldable buccal tubes	45
Crystal series / Bondable buccal tubes	49

Buccal Tubes ■

**All tubes are processed by precision casting.
Compact design and smooth surface.**



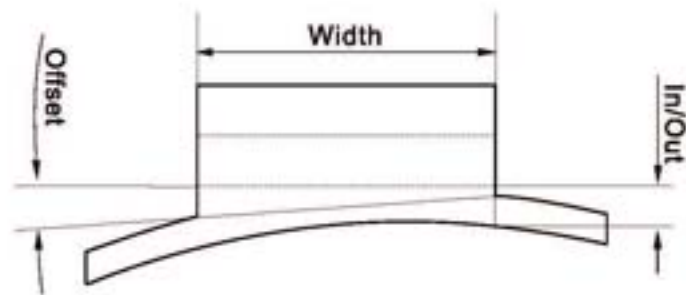
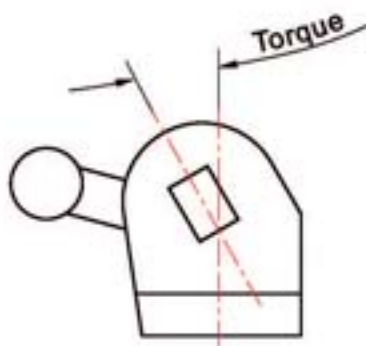
Features:

1. Applying fine materials and moulds, made from precision casting process line with compact design.
2. Easy to use for the bondable buccal tubes, high bonding strength, contoured mesh base is in accordance with the molar crown.
3. Weldable Non-Convertible Buccal Tubes are precision and smooth, patient comfort.
4. Slightly brazed slot cap for the convertible tubes.
5. Chamfered mesial entrance of the slot for easy guiding of the arch wires.

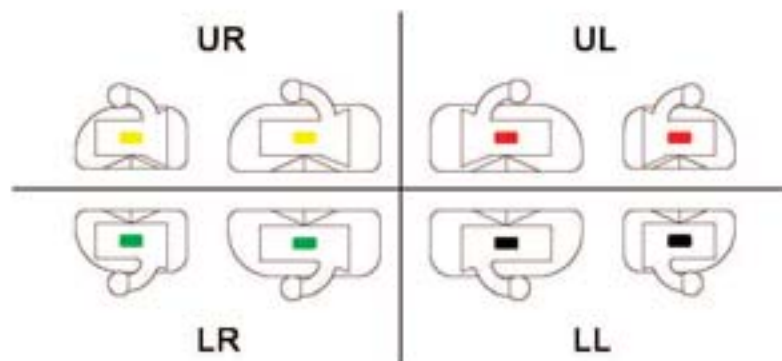
FDI System



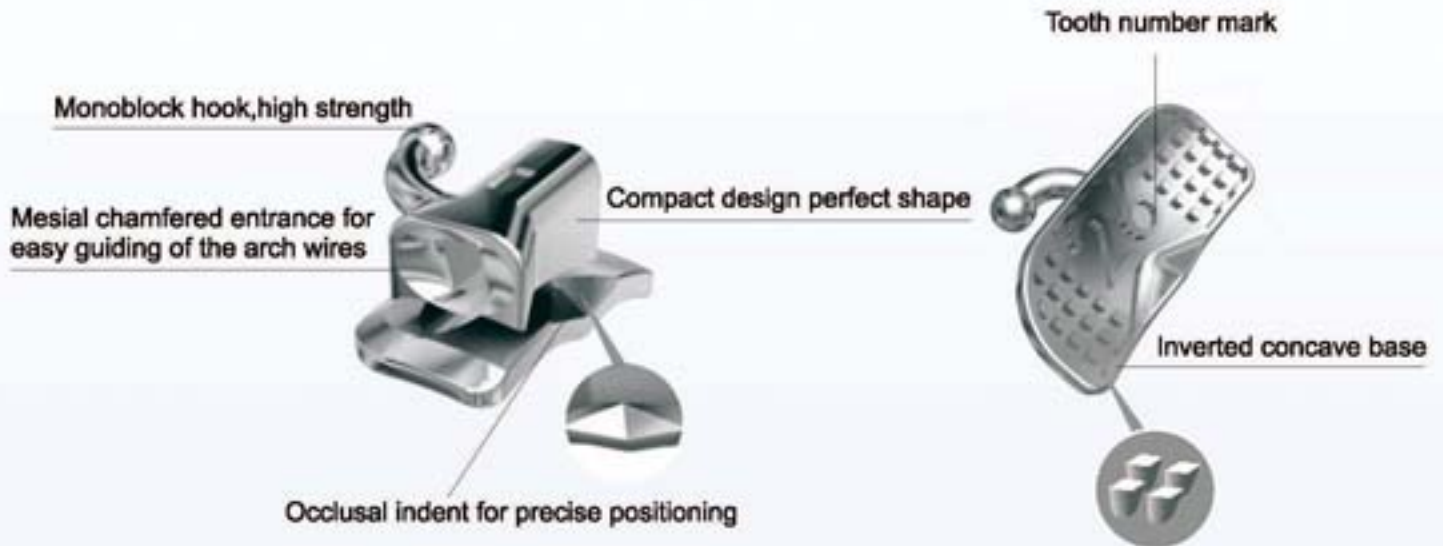
17	16	15	14	13	12	11	21	22	23	24	25	26	27
7	6	5	4	3	2	1	1	2	3	4	5	6	7
7	6	5	4	3	2	1	1	2	3	4	5	6	7
47	46	45	44	43	42	41	31	32	33	34	35	36	37



COLOR MARK IN FOUR QUADRANT



Monoblock

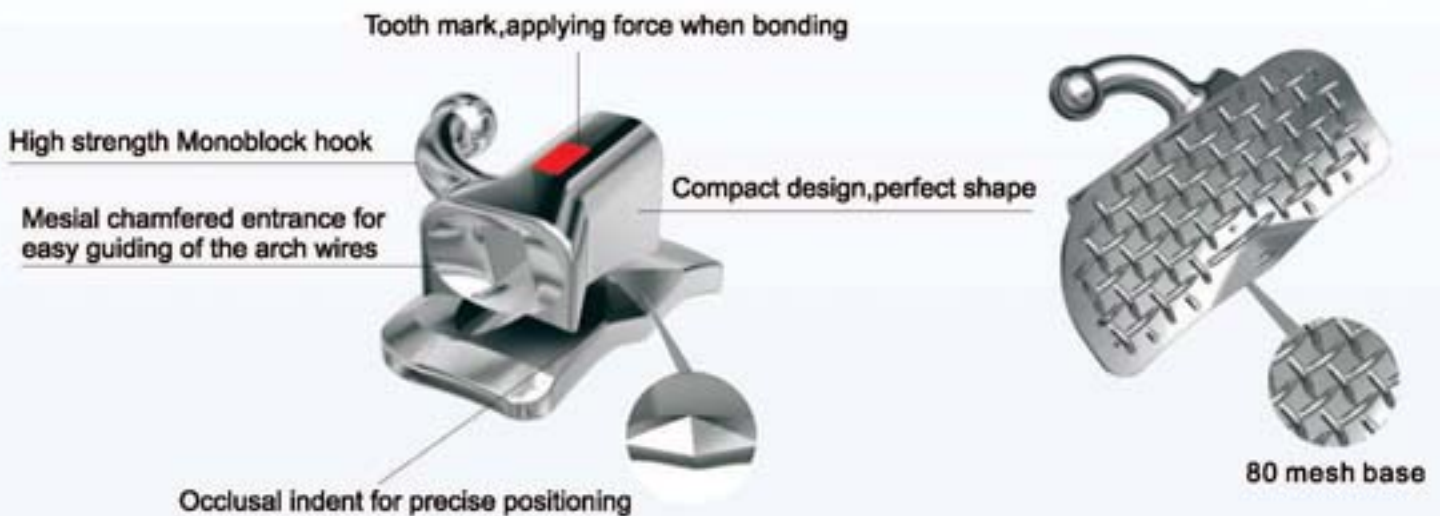


VST Features:

- 1. Monoblock buccal tubes with ball hooks, one-piece construction.**
- 2. Inverted concave structure on base to enhance bonding strength.**
- 3. Chamfered mesial entrance in order to guide arch wires easily.**
- 4. Lower profile and compact shape, patients feel more comfortable.**
- 5. Can be pre-welded on bands directly.**
- 6. Tooth mark on the base and color mark on the tube for easy identification.**

DIAMOND Tubes

Mesh base



Features:

1. Made by precision casting process line, compact design.
2. The bondable buccal tube is easy to use for its high bonding strength and contoured mesh base.
3. Chamfered mesial entrance for easy guiding of the arch wires.



1st molar Bondable buccal tubes

Single rectangle □

Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16	-14°	10°	0.5mm	4.0mm	J622-5115	J621-5115	J622-6115	J621-6115
	26	-14°	10°	0.5mm	4.0mm	J622-5125	J621-5125	J622-6125	J621-6125
	36	-30°	4°	0.5mm	4.0mm	J622-5135	J621-5135	J622-6135	J621-6135
	46	-30°	4°	0.6mm	4.0mm	J622-5145	J621-5145	J622-6145	J621-6145
Sliding -MBT*	16	-14°	10°	0.5mm	4.0mm	J632-5115	J631-5115	J632-6115	J631-6115
	26	-14°	10°	0.5mm	4.0mm	J632-5125	J631-5125	J632-6125	J631-6125
	36	-20°	0°	0.6mm	4.0mm	J632-5135	J631-5135	J632-6135	J631-6135
	46	-20°	0°	0.6mm	4.0mm	J632-5145	J631-5145	J632-6145	J631-6145
Edge Wise	16/36	0°	0°	0.6mm	4.0mm	J612-5115	J611-5115	J612-6115	J611-6115
	26/46	0°	0°	0.6mm	4.0mm	J612-5125	J611-5125	J612-6125	J611-6125



Buccal Tubes

2nd molar Bondable buccal tubes

Single rectangle □

Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	17	-14°	10°	0.5mm	3.2mm	J722-5115	J721-5115	—	—
	27	-14°	10°	0.5mm	3.2mm	J722-5125	J721-5125	—	—
	37	-30°	4°	0.5mm	3.2mm	J722-5135	J721-5135	—	—
	47	-30°	4°	0.5mm	3.2mm	J722-5145	J721-5145	—	—
Sliding -MBT*	17	-14°	10°	0.5mm	3.2mm	J732-5115	J731-5115	—	—
	27	-14°	10°	0.5mm	3.2mm	J732-5125	J731-5125	—	—
	37	-10°	0°	0.6mm	3.2mm	J732-5135	J731-5135	—	—
	47	-10°	0°	0.6mm	3.2mm	J732-5145	J731-5145	—	—
Edge Wise	17/37	0°	0°	0.6mm	3.2mm	J712-5115	J711-5115	—	—
	27/47	0°	0°	0.6mm	3.2mm	J712-5125	J711-5125	—	—



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Maxillary



Mandibular



Upper & Lower

Buccal Tubes

Diamond Series



1st molar Bondable buccal tubes pack: 4X1 set

Single rectangle



Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 4pcs/set



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16/28	-14°	10°	0.5mm	4.0mm	J622-5105	J621-5105	J622-6105	J621-6105
	36/46	-30°	4°	0.5mm	4.0mm				
Sliding -MBT*	16/26	-14°	10°	0.5mm	4.0mm	J632-5105	J631-5105	J632-6105	J631-6105
	36/46	-20°	0°	0.5mm	4.0mm				
Edge Wise	16/26	0°	0°	0.5mm	4.0mm	J612-5105	J611-5105	J612-6105	J611-6105
	36/46	0°	0°	0.5mm	4.0mm				

2nd molar buccal tubes pack: 4X1 set

Single rectangle



Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 4pcs/set



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	17/27	-14°	10°	0.4mm	3.5mm	J722-5105	J721-5105	—	—
	37/47	-30°	4°	0.4mm	3.5mm				
Sliding -MBT*	17/27	-14°	10°	0.4mm	3.5mm	J732-5105	J731-5105	—	—
	37/47	-10°	0°	0.4mm	3.5mm				
Edge Wise	17/27	0°	0°	0.4mm	3.5mm	J712-5105	J711-5105	—	—
	37/47	0°	0°	0.4mm	3.5mm				



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Single rectangle □ Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	18	-14°	10°	0.4mm	4.0mm	J622-1111	J621-1111	J622-2111	J621-2111
	26	-14°	10°	0.4mm	4.0mm	J622-1121	J621-1121	J622-2121	J621-2121
	36	-30°	4°	0.4mm	4.0mm	J622-1131	J621-1131	J622-2131	J621-2131
	46	-30°	4°	0.4mm	4.0mm	J622-1141	J621-1141	J622-2141	J621-2141
Sliding -MBT*	16	-14°	10°	0.4mm	4.0mm	—	—	J622-2111	J621-2111
	26	-14°	10°	0.4mm	4.0mm	—	—	J622-2121	J621-2121
	36	-20°	0°	0.4mm	4.0mm	—	—	J632-2131	J631-2131
	46	-20°	0°	0.4mm	4.0mm	—	—	J632-2141	J631-2141
Edge Wise	16/36	0°	0°	0.4mm	4.0mm	J612-1111	J611-1111	J612-2111	J611-2111
	26/46	0°	0°	0.4mm	4.0mm	J612-1121	J611-1121	J612-2121	J611-2121



Double combination □ □ Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm Round: Ø45 / 1.15mm Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16	-14°	10°	0.4mm	4.0mm	J622-1211	J621-1211	J622-2211	J621-2211
	26	-14°	10°	0.4mm	4.0mm	J622-1221	J621-1221	J622-2221	J621-2221
Sliding -MBT*	16	-14°	10°	0.4mm	4.0mm	J622-1211	J621-1211	J622-2211	J621-2211
	26	-14°	10°	0.4mm	4.0mm	J622-1221	J621-1221	J622-2221	J621-2221
Edge Wise	16	0°	6°	0.4mm	4.0mm	J612-1211	J611-1211	J612-2211	J611-2211
	26	0°	6°	0.4mm	4.0mm	J612-1221	J611-1221	J612-2221	J611-2221



Double rectangle □ □ Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	36	-30°	4°	0.4mm	4.0mm	—	—	J622-2431	J621-2431
	46	-30°	4°	0.4mm	4.0mm	—	—	J622-2441	J621-2441
Sliding -MBT*	36	-20°	0°	0.4mm	4.0mm	—	—	J632-2431	J631-2431
	46	-20°	0°	0.4mm	4.0mm	—	—	J632-2441	J631-2441
Edge Wise	36	0°	0°	0.4mm	4.0mm	—	—	J612-2431	J611-2431
	46	0°	0°	0.4mm	4.0mm	—	—	J612-2441	J611-2441



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Buccal Tubes

Crystal Series

Weldable / precision Casting

1st molar weldable buccal tubes

Triple combination ☐ ☐ ☐ Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm Round: $\phi 45 / 1.15\text{mm}$ Pack: 10pcs



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16	-14°	10°	0.4mm	4.0mm	—	—	J622-2311	J621-2311
	26	-14°	10°	0.4mm	4.0mm	—	—	J622-2321	J621-2321
Sliding -MBT*	16	-14°	10°	0.4mm	4.0mm	—	—	J622-2311	J621-2311
	26	-14°	10°	0.4mm	4.0mm	—	—	J622-2321	J621-2321
Edge Wise	16	0°	6°	0.4mm	4.0mm	—	—	J612-2311	J611-2311
	26	0°	6°	0.4mm	4.0mm	—	—	J612-2321	J611-2321

2nd molar weldable buccal tubes

Single rectangle ☐ Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm Pack: 10pcs



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	17	-14°	10°	0.4mm	3.5mm	J722-1111	J721-1111	—	—
	27	-14°	10°	0.4mm	3.5mm	J722-1121	J721-1121	—	—
	37	-30°	4°	0.4mm	3.5mm	J722-1131	J721-1131	—	—
	47	-30°	4°	0.4mm	3.5mm	J722-1141	J721-1141	—	—
Sliding -MBT*	17	-14°	10°	0.4mm	3.5mm	J722-1111	J721-1111	—	—
	27	-14°	10°	0.4mm	3.5mm	J722-1121	J721-1121	—	—
	37	-10°	0°	0.4mm	3.5mm	J732-1131	J731-1131	—	—
	47	-10°	0°	0.4mm	3.5mm	J732-1141	J731-1141	—	—
Edge Wise	17/37	0°	0°	0.4mm	3.5mm	J712-1111	J711-1111	—	—
	27/47	0°	0°	0.4mm	3.5mm	J712-1121	J711-1121	—	—



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Buccal Tubes

Crystal Series

Weldable / precision Casting
1st molar buccal tubes pack: 4X1 set

Single rectangle



Slot: 18 x 25 / 0.46 x 0.64mm
 22 x 28 / 0.56 x 0.71mm

Pack: 4pcs/set

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	18/26	-14°	10°	0.4mm	4.0mm	J622-1101	J621-1101	J622-2101	J621-2101
	36/46	-30°	4°	0.4mm	4.0mm				
Sliding -MBT*	18/26	-14°	10°	0.4mm	4.0mm	J632-1101	J631-1101	J632-2101	J631-2101
	36/46	-20°	0°	0.4mm	4.0mm				
Edge Wise	18/26	0°	0°	0.4mm	4.0mm	J612-1101	J611-1101	J612-2101	J611-2101
	36/46	0°	0°	0.4mm	4.0mm				



Buccal Tubes

Double combination



Slot: 18 x 25 / 0.46 x 0.64mm Round: Ø 45 / 1.15mm
 22 x 28 / 0.56 x 0.71mm Pack: 4pcs/set

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	18/26	-14°	10°	0.4mm	4.0mm	J622-1201	J621-1201	J622-2201	J621-2201
	36/46	-30°	4°	0.4mm	4.0mm				
Sliding -MBT*	18/26	-14°	10°	0.4mm	4.0mm	-	-	J632-2201	J631-2201
	36/46	-20°	0°	0.4mm	4.0mm				
Edge Wise	18/26	0°	6°	0.4mm	4.0mm	J612-1201	J611-1201	J612-2201	J611-2201
	36/46	0°	0°	0.4mm	4.0mm				



Triple combination



Slot: 18 x 25 / 0.46 x 0.64mm Round: Ø 45 / 1.15mm
 22 x 28 / 0.56 x 0.71mm Pack: 4pcs/set

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	18/26	-14°	10°	0.4mm	4.0mm	-	-	J622-2301	J621-2301
	36/46	-30°	4°	0.4mm	4.0mm				
Sliding -MBT*	18/26	-14°	10°	0.4mm	4.0mm	-	-	J632-2301	J631-2301
	36/46	-20°	0°	0.4mm	4.0mm				
Edge Wise	18/26	0°	6°	0.4mm	4.0mm	-	-	J612-2301	J611-2301
	36/46	0°	0°	0.4mm	4.0mm				



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Maxillary

Mandibular

Upper & Lower

Buccal Tubes

Crystal Series

Weldable / precision Casting

2nd molar buccal tubes pack: 4X1 set

Single rectangle



Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 4pcs



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	17/27	-14°	10°	0.4mm	3.5mm	J722-1101	J721-1101	—	—
	37/47	-30°	4°	0.4mm	3.5mm				
Sliding -MBT*	17/27	-14°	10°	0.4mm	3.5mm	J732-1101	J731-1101	—	—
	37/47	-10°	0°	0.4mm	3.5mm				
Edge	17/37	0°	0°	0.4mm	3.5mm	J712-1101	J711-1101	—	—
Wise	27/47	0°	0°	0.4mm	3.5mm				



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Bandable / precision Casting
1st molar Bondable buccal tubes

Single rectangle □ Slot: 18 x 25 / 0.46 x 0.64mm 22 x 28 / 0.56 x 0.71mm Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16	-14°	10°	0.4mm	4.0mm	J622-5111	J621-5111	J622-6111	J621-6111
	26	-14°	10°	0.4mm	4.0mm	J622-5121	J621-5121	J622-6121	J621-6121
	36	-30°	4°	0.4mm	4.0mm	J622-5131	J621-5131	J622-6131	J621-6131
	46	-30°	4°	0.4mm	4.0mm	J622-5141	J621-5141	J622-6141	J621-6141
Sliding -MBT*	16	-14°	10°	0.4mm	4.0mm	—	—	J622-6111	J621-6111
	26	-14°	10°	0.4mm	4.0mm	—	—	J622-6121	J621-6121
	36	-20°	0°	0.4mm	4.0mm	—	—	J632-6131	J631-6131
	46	-20°	0°	0.4mm	4.0mm	—	—	J632-6141	J631-6141
Edge Wise	16/36	0°	0°	0.4mm	4.0mm	J612-5111	J611-5111	J612-6111	J611-6111
	26/46	0°	0°	0.4mm	4.0mm	J612-5121	J611-5121	J612-6121	J611-6121



Double rectangle □○ Slot: 22 x 28 / 0.56 x 0.71mm Round: Ø45 / 1.15mm Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16	-14°	10°	0.4mm	4.0mm	—	—	J622-6211	J621-6211
	26	-14°	10°	0.4mm	4.0mm	—	—	J622-6221	J621-6221



Double combination □□ Slot: 18 x 25 / 0.46 x 0.64mm 22 x 28 / 0.56 x 0.71mm Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	36	-30°	4°	0.4mm	4.0mm	—	—	J622-6431	J621-6431
	46	-30°	4°	0.4mm	4.0mm	—	—	J622-6441	J621-6441



Triple combination □□○ Slot: 18 x 25 / 0.46 x 0.64mm 22 x 28 / 0.56 x 0.71mm Round: Ø45 / 1.15mm Pack: 10pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16	-14°	10°	0.4mm	4.0mm	—	—	J622-6311	—
	26	-14°	10°	0.4mm	4.0mm	—	—	J622-6321	—



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Buccal Tubes

Crystal Series



Bandable / precision Casting

2nd molar bondable buccal tubes

Single rectangle ☐

Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 10pcs



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	17	-14°	10°	0.4mm	3.5mm	J722-5111	J721-5111	—	—
	27	-14°	10°	0.4mm	3.5mm	J722-5121	J721-5121	—	—
	37	-30°	4°	0.4mm	3.5mm	J722-5131	J721-5131	—	—
	47	-30°	4°	0.4mm	3.5mm	J722-5141	J721-5141	—	—
Sliding -MBT*	17	-14°	10°	0.4mm	3.5mm	J732-5111	J731-5111	—	—
	27	-14°	10°	0.4mm	3.5mm	J732-5121	J731-5121	—	—
	37	-10°	0°	0.4mm	3.5mm	J732-5131	J731-5131	—	—
	47	-10°	0°	0.4mm	3.5mm	J732-5141	J731-5141	—	—
Mini Sliding -MBT*	17	-14°	10°	0.4mm	2.5mm	J736-5111	J735-5111	—	—
	27	-14°	10°	0.4mm	2.5mm	J736-5121	J735-5121	—	—
	37	-10°	0°	0.4mm	2.5mm	J736-5131	J735-5131	—	—
	47	-10°	0°	0.4mm	2.5mm	J736-5141	J735-5141	—	—
Edge Wise	17/37	0°	0°	0.4mm	3.5mm	J716-5111	J716-5111	—	—
	27/47	0°	0°	0.4mm	3.5mm	J716-5121	J716-5121	—	—

Lower 2nd bicuspid tubes

Single rectangle ☐

Slot: 18 x 25 / 0.46 x 0.64mm
22 x 28 / 0.56 x 0.71mm

Pack: 10pcs



System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Sliding -MBT*	35	-17°	0°	0.6mm	3.0mm	J532-5131	—	—	—
	45	-17°	0°	0.6mm	3.0mm	J532-5141	—	—	—



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Buccal Tubes

Crystal Series

Bandable / precision Casting
1st molar buccal tubes pack: 4X1 set

Single rectangle  Slot: 18 x 25 / 0.46 x 0.64mm
 22 x 28 / 0.56 x 0.71mm Pack: 4pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	18/28	-14°	10°	0.5mm	4.0mm	J622-5101	J621-5101	J622-6101	J621-6101
	36/46	-30°	4°	0.5mm	4.0mm				
Sliding -MBT*	18/28	-14°	10°	0.5mm	4.0mm	-	-	J632-6101	J631-6101
	36/46	-20°	0°	0.5mm	4.0mm				
Edge Wise	18/28	0°	0°	0.5mm	4.0mm	J612-5101	J611-5101	J612-6101	J611-6101
	36/46	0°	0°	0.5mm	4.0mm				



Buccal Tubes

Double combination  Slot: 18 x 25 / 0.46 x 0.64mm
 22 x 28 / 0.56 x 0.71mm Round: Ø45 / 1.15mm Pack: 4pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	18/28	-14°	10°	0.4mm	4.0mm	-	-	J622-6201	J621-6201
	36/46	-30°	4°	0.4mm	4.0mm				



2nd molar buccal tubes pack: 4X1 set

Single rectangle  Slot: 18 x 25 / 0.46 x 0.64mm
 22 x 28 / 0.56 x 0.71mm Pack: 4pcs

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	17/27	-14°	10°	0.4mm	3.5mm	J722-5101	J721-5101	-	-
	37/47	-30°	4°	0.4mm	3.5mm				
Sliding -MBT*	17/27	-14°	10°	0.4mm	3.5mm	J732-5101	J731-5101	-	-
	37/47	-10°	0°	0.4mm	3.5mm				
Mini Sliding -MBT*	17/27	-14°	10°	0.4mm	2.5mm	J732-5102	J731-5102	-	-
	37/47	-10°	0°	0.4mm	2.5mm				
Edge Wise	17/27	0°	0°	0.4mm	3.5mm	J712-5101	J711-5101	-	-
	37/47	0°	0°	0.4mm	3.5mm				



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Bands with Weldable Buccal Tubes/Assortments	63
Bands Conversion Chart	65



CAD anatomically designed bands

Snap fit with teeth, permanent laser mark.

Patented rough inner surface.

Features:

- 1 Shaped and contoured anatomically by CAD designing, for precise and snap fit. Suitable hardness, permanent laser mark.
- 2 Patented rough inner surface, enhance 30% bonding strength.



Packs

Two different types of packages are available according to demand:

1. Individual packs: One plastic bag with 10pieces.
2. Assortments packs: Packed in box.

Alternative process

Please specify the following extra process when ordering:

- ☐ 1* Rough inner surface ☐ 2. Prewelded with tubes ☐ 3. Prewelded with lingual cleats
- ☐ 4. Prewelded with lingual sheaths ☐ 5. Extra-high height(H) ☐ 6. State-in hardness

* Remark: Rough inner surface should be prepared with special process. Patented product, patent No. ZL02267132.3.

Preweld positioning

Maxillary



Occlusal gingival positioning
Center of edgewise slot nearest occlusal is 0.075 in.(1.9mm)



Centerline of buccal tube positioned on buccal indent
From occlusal edge of band. Round tube mounted to occlusal

Mandibular



Occlusal gingival positioning
center of edgewise slot nearest occlusal is 0.075 in.(1.9mm) from occlusal edge of band.hooks are located in mesial-lingual coordinate.



Mesial distal positioning
centerline of buccal tube positioned 0.040 in. (1.0mm distal from mesial buccal indent.)

FDI System



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

Prewelded Bands for variety of clinical application



+



+



Bicuspid Bands
1st Bicuspid Band
2nd Bicuspid Band

1st Bicuspid Bracket
2nd Bicuspid Bracket

Lingual cleat



+



+



1st Molar bands

1st Molar buccal tubes

Lingual cleat
Lingual Sheath without Hook
Lingual Sheath with Hook



+



+



2nd Molar bands

2nd Molar buccal tubes

Lingual cleat

Premolar Bands (Individual packs)

Premolar (bicuspid) Bands

Normal △	Bands Size	Maxillary	REF	Mandibular	REF	
		Perimeter mm	Teeth	Perimeter mm	Teeth	
			15-14 / 24-25		44 / 34	45 / 35
	1	20.7	D401-1-01	18.3	D401-3-01	—
	2	21	D401-1-02	18.7	D401-3-02	—
	3	21.3	D401-1-03	19.1	D401-3-03	—
	4	21.6	D401-1-04	19.5	D401-3-04	—
	5	21.9	D401-1-05	19.9	D401-3-05	—
	6	22.2	D401-1-06	20.3	D401-3-06	D501-3-06
	7	22.5	D401-1-07	20.7	D401-3-07	D501-3-07
	8	22.8	D401-1-08	21.1	D401-3-08	D501-3-08
	9	23.1	D401-1-09	21.5	D401-3-09	D501-3-09
	10	23.4	D401-1-10	21.9	D401-3-10	D501-3-10
△	11	23.7	D401-1-11	22.3	D401-3-11	D501-3-11
△	12	24	D401-1-12	22.7	D401-3-12	D501-3-12
△	13	24.3	D401-1-13	23.1	D401-3-13	D501-3-13
△	14	24.6	D401-1-14	23.5	D401-3-14	D501-3-14
△	15	24.9	D401-1-15	23.9	D401-3-15	D501-3-15
△	16	25.2	D401-1-16	24.3	D401-3-16	D501-3-16
△	17	25.5	D401-1-17	24.7	D401-3-17	D501-3-17
△	18	25.8	D401-1-18	25.1	D401-3-18	D501-3-18
△	19	26.1	D401-1-19	25.5	D401-3-19	D501-3-19
△	20	26.4	D401-1-20	25.9	D401-3-20	D501-3-20
	21	26.7	D401-1-21	26.3	D401-3-21	D501-3-21
	22	27	D401-1-22	26.7	D401-3-22	D501-3-22
	23	27.3	D401-1-23	27.1	D401-3-23	D501-3-23
	24	27.6	D401-1-24	27.5	D401-3-24	D501-3-24
	25	27.9	D401-1-25	27.9	D401-3-25	D501-3-25
	26	28.2	D401-1-26	28.3	D401-3-26	D501-3-26
	27	28.5	D401-1-27	28.7	—	D501-3-27
	28	28.8	D401-1-28	29.1	—	D501-3-28
	29	29.1	D401-1-29	29.5	—	D501-3-29
	30	29.4	D401-1-30	29.9	—	D501-3-30
	31	29.7	D401-1-31	30.3	—	D501-3-31
	32	30	D401-1-32	30.7	—	D501-3-32
Packs			10pcs/pk		10pcs/pk	10pcs/pk



Molar Bands (Individual packs)

1st molar bands

Normal △	Bands Size	Peri- meter mm	REF				
			Teeth		Teeth		Teeth
			16	26	36	46	16/26/36/46
	10	31	D601-1-10	D601-2-10	D601-3-10	D601-4-10	D601-0-10
	11	31.5	D601-1-11	D601-2-11	D601-3-11	D601-4-11	D601-0-11
	12	32	D601-1-12	D601-2-12	D601-3-12	D601-4-12	D601-0-12
	13	32.5	D601-1-13	D601-2-13	D601-3-13	D601-4-13	D601-0-13
	14	33	D601-1-14	D601-2-14	D601-3-14	D601-4-14	D601-0-14
	15	33.5	D601-1-15	D601-2-15	D601-3-15	D601-4-15	D601-0-15
	16	34	D601-1-16	D601-2-16	D601-3-16	D601-4-16	D601-0-16
	17	34.5	D601-1-17	D601-2-17	D601-3-17	D601-4-17	D601-0-17
△	18	35	D601-1-18	D601-2-18	D601-3-18	D601-4-18	D601-0-18
△	19	35.5	D601-1-19	D601-2-19	D601-3-19	D601-4-19	D601-0-19
△	20	36	D601-1-20	D601-2-20	D601-3-20	D601-4-20	D601-0-20
△	21	36.5	D601-1-21	D601-2-21	D601-3-21	D601-4-21	D601-0-21
△	22	37	D601-1-22	D601-2-22	D601-3-22	D601-4-22	D601-0-22
△	23	37.5	D601-1-23	D601-2-23	D601-3-23	D601-4-23	D601-0-23
△	24	38	D601-1-24	D601-2-24	D601-3-24	D601-4-24	D601-0-24
△	25	38.5	D601-1-25	D601-2-25	D601-3-25	D601-4-25	D601-0-25
△	26	39	D601-1-26	D601-2-26	D601-3-26	D601-4-26	D601-0-26
△	27	39.5	D601-1-27	D601-2-27	D601-3-27	D601-4-27	D601-0-27
△	28	40	D601-1-28	D601-2-28	D601-3-28	D601-4-28	D601-0-28
△	29	40.5	D601-1-29	D601-2-29	D601-3-29	D601-4-29	D601-0-29
	30	41	D601-1-30	D601-2-30	D601-3-30	D601-4-30	D601-0-30
	31	41.5	D601-1-31	D601-2-31	D601-3-31	D601-4-31	D601-0-31
	32	42	D601-1-32	D601-2-32	D601-3-32	D601-4-32	D601-0-32
	33	42.5	D601-1-33	D601-2-33	D601-3-33	D601-4-33	D601-0-33
	34	43	D601-1-34	D601-2-34	D601-3-34	D601-4-34	D601-0-34
	35	43.5	D601-1-35	D601-2-35	D601-3-35	D601-4-35	D601-0-35
	36	44	D601-1-36	D601-2-36	D601-3-36	D601-4-36	D601-0-36
	37	44.5	D601-1-37	D601-2-37	D601-3-37	D601-4-37	D601-0-37
Packs			10pcs/pk		10pcs/pk		4x1pcs/set

Note: "△" means frequently applied size for clinical operation.

Molar Bands (Individual packs)

2nd molar bands

Normal △	Bands Size	Peri- meter mm	REF				
			Teeth		Teeth		Teeth
			17	27	37	47	17/27/37/47
	9	31	D701-1-09	D701-2-09	D701-3-09	D701-4-09	D701-0-09
	10	31.5	D701-1-10	D701-2-10	D701-3-10	D701-4-10	D701-0-10
	11	32	D701-1-11	D701-2-11	D701-3-11	D701-4-11	D701-0-11
	12	32.5	D701-1-12	D701-2-12	D701-3-12	D701-4-12	D701-0-12
△	13	33	D701-1-13	D701-2-13	D701-3-13	D701-4-13	D701-0-13
△	14	33.5	D701-1-14	D701-2-14	D701-3-14	D701-4-14	D701-0-14
△	15	34	D701-1-15	D701-2-15	D701-3-15	D701-4-15	D701-0-15
△	16	34.5	D701-1-16	D701-2-16	D701-3-16	D701-4-16	D701-0-16
△	17	35	D701-1-17	D701-2-17	D701-3-17	D701-4-17	D701-0-17
△	18	35.5	D701-1-18	D701-2-18	D701-3-18	D701-4-18	D701-0-18
△	19	36	D701-1-19	D701-2-19	D701-3-19	D701-4-19	D701-0-19
△	20	36.5	D701-1-20	D701-2-20	D701-3-20	D701-4-20	D701-0-20
△	21	37	D701-1-21	D701-2-21	D701-3-21	D701-4-21	D701-0-21
△	22	37.5	D701-1-22	D701-2-22	D701-3-22	D701-4-22	D701-0-22
△	23	38	D701-1-23	D701-2-23	D701-3-23	D701-4-23	D701-0-23
△	24	38.5	D701-1-24	D701-2-24	D701-3-24	D701-4-24	D701-0-24
	25	39	D701-1-25	D701-2-25	D701-3-25	D701-4-25	D701-0-25
	26	39.5	D701-1-26	D701-2-26	D701-3-26	D701-4-26	D701-0-26
	27	40	D701-1-27	D701-2-27	D701-3-27	D701-4-27	D701-0-27
	28	40.5	D701-1-28	D701-2-28	D701-3-28	D701-4-28	D701-0-28
	29	41	D701-1-29	D701-2-29	D701-3-29	D701-4-29	D701-0-29
	30	41.5	D701-1-30	D701-2-30	D701-3-30	D701-4-30	D701-0-30
	31	42	D701-1-31	D701-2-31	D701-3-31	D701-4-31	D701-0-31
	32	42.5	D701-1-32	D701-2-32	D701-3-32	D701-4-32	D701-0-32
Packs			10pcs/pk		10pcs/pk		4x1pcs/set



Molar Bands (Assortments)

1st molar bands standard assortments/Quantities of each size

Size	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	Quantity
No.1	1	1	1	1	1	2	2	2	2	4	4	4	4	4	4	2	2	2	2	1	1	1	1	1	50pcs
No.2	1	1	1	2	3	3	3	3	3	10	10	10	10	10	10	3	3	3	3	3	2	1	1	1	100pcs

1st molar bands

Assortments No.	REF				Quantity
	Teeth		Teeth		
	16	26	36	46	
No.1	D610-A1	D620-A1	D630-A1	D640-A1	50pcs
No.2	D610-A2	D620-A2	D630-A2	D640-A2	100pcs

2nd molar bands standard assortments/Quantities of each size

Size	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Quantity
No.1	1	1	1	1	1	2	2	2	2	4	4	4	4	4	4	2	2	2	2	1	1	1	1	1	50pcs
No.2	1	1	1	2	3	3	3	3	3	10	10	10	10	10	10	3	3	3	3	3	2	1	1	1	100pcs

2nd molar bands

Assortments No.	REF				Quantity
	Teeth		Teeth		
	17	27	37	47	
No.1	D710-A1	D720-A1	D730-A1	D740-A1	50pcs
No.2	D710-A2	D720-A2	D730-A2	D740-A2	100pcs

Plain premolar bands/Quantities of each size

Teeth	Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Quantity
14/15	No.1	2	2	2	2	2	2	4	4	4	6	6	6	6	8	8	8	8	8	8	8	6	6	6	4	4	4	4	4	2	2	2	2	150pcs
24/25	No.2	4	4	4	4	4	4	8	8	8	12	12	12	12	16	16	16	16	16	16	16	12	12	12	8	8	8	8	8	4	4	4	4	300pcs
34/44	No.1	2	2	2	2	4	4	6	6	6	8	8	10	10	10	10	10	10	8	8	6	6	4	4	2	2	0	0	0	0	0	0	0	150pcs
	No.2	4	4	4	4	8	8	12	12	12	16	16	20	20	20	20	20	16	16	12	12	8	8	4	4	0	0	0	0	0	0	0	0	300pcs
35/45	No.1	0	0	0	0	0	2	2	2	4	4	4	6	6	6	8	8	10	10	10	10	8	8	6	6	4	4	4	4	2	2	2	2	150pcs
	No.2	0	0	0	0	0	4	4	4	8	8	8	12	12	12	16	16	20	20	20	20	16	16	12	12	8	8	8	8	4	4	4	4	300pcs

Plain premolar bands/Packed In box

Assortments No.	REF			Quantity
	Teeth	Teeth		
	14/15/24/25	34/44	35/45	
No.1	D410-A1	D430-A1	D530-A1	150pcs
No.2	D410-A2	D430-A2	D530-A2	300pcs

Note: Special distribution of the quantities for each size are available when specifying. But the minimum total quantities in each box should not be less than 50pcs.



Pre-welded Bicuspid Bands

Bicuspid Bands with bracket

System	Teeth	Torque	Offset	Width	REF	
					Teeth	
					22	18
Roth*	15 / 14 / 24 / 25	-7°	0°	3mm	D422-4010-SS	D421-4010-SS
	44 / 34	-17°	0°	3mm	D422-4030-SS	D421-4030-SS
	45 / 35	-22°	0°	3mm	D522-4030-SS	D521-4030-SS
Sliding -MBT*	15 / 14 / 24 / 25	-7°	0°	3mm	D432-4010-SS	D431-4010-SS
	44 / 34	-12°	0°	3mm	D432-4030-SS	D431-4030-SS
	45 / 35	-17°	0°	3mm	D532-4030-SS	D531-4030-SS
Edge- wise	15 / 14 / 24 / 25	0°	0°	3mm	D412-4010-SS	D411-4010-SS
	44 / 34	0°	0°	3mm	D412-4030-SS	D411-4030-SS
	45 / 35	0°	0°	3mm	D512-4030-SS	D511-4030-SS



*Note: "SS" means single size(1-32).

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Rough Molar Bands With Weldable Buccal Tubes (Individual packs)

Single rectangle/Non-convertible

Pack: 10pcs

System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	16	-14°	10°	4.0mm	D622-5110-SS*	D621-5110-SS
	26	-14°	10°	4.0mm	D622-5120-SS	D621-5120-SS
	36	-30°	4°	4.0mm	D622-5130-SS	D621-5130-SS
	46	-30°	4°	4.0mm	D622-5140-SS	D621-5140-SS
	17	-14°	10°	3.5mm	D722-5110-SS	D721-5110-SS
	27	-14°	10°	3.5mm	D722-5120-SS	D721-5120-SS
	37	-30°	4°	3.5mm	D722-5130-SS	D721-5130-SS
	47	-30°	4°	3.5mm	D722-5140-SS	D721-5140-SS
Sliding -MBT*	17	-14°	10°	3.5mm	D732-5110-SS	D731-5110-SS
	27	-14°	10°	3.5mm	D732-5120-SS	D731-5120-SS
	37	-10°	0°	3.5mm	D732-5130-SS	D731-5130-SS
	47	-10°	0°	3.5mm	D732-5140-SS	D731-5140-SS
Edge- wise	16	0°	0°	4.0mm	D612-5110-SS	D611-5110-SS
	26	0°	0°	4.0mm	D612-5120-SS	D611-5120-SS
	36	0°	0°	4.0mm	D612-5130-SS	D611-5130-SS
	46	0°	0°	4.0mm	D612-5140-SS	D611-5140-SS
	17	0°	0°	3.5mm	D712-5110-SS	D711-5110-SS
	27	0°	0°	3.5mm	D712-5120-SS	D711-5120-SS
	37	0°	0°	3.5mm	D712-5130-SS	D711-5130-SS
	47	0°	0°	3.5mm	D712-5140-SS	D711-5140-SS



Bands

Single rectangle/Convertible

Pack: 10pcs

System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	16	-14°	10°	4.0mm	D622-6110-SS	D621-6110-SS
	26	-14°	10°	4.0mm	D622-6120-SS	D621-6120-SS
	36	-30°	4°	4.0mm	D622-6130-SS	D621-6130-SS
	46	-30°	4°	4.0mm	D622-6140-SS	D621-6140-SS
Sliding -MBT*	16	-14°	10°	4.0mm	D632-6110-SS	D631-6110-SS
	26	-14°	10°	4.0mm	D632-6120-SS	D631-6120-SS
	36	-20°	0°	4.0mm	D632-6130-SS	D631-6130-SS
	46	-20°	0°	4.0mm	D632-6140-SS	D631-6140-SS
Edge- wise	16	0°	0°	4.0mm	D612-6110-SS	D611-6110-SS
	26	0°	0°	4.0mm	D612-6120-SS	D611-6120-SS
	36	0°	0°	4.0mm	D612-6130-SS	D611-6130-SS
	46	0°	0°	4.0mm	D612-6140-SS	D611-6140-SS



*Note: "SS" means single size(Altogether 32 sizes, which is from 29 to 44+).

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Maxillary

Mandibular

Upper & Lower

Rough Molar Bands With Weldable Buccal Tubes (Individual packs)

Double combination/Non-convertible

Pack: 10pcs



System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	18	-14°	10°	4.0mm	D622-5210-SS*	D621-5210-SS
	26	-14°	10°	4.0mm	D622-5220-SS	D621-5220-SS
Edge-wise	18	0°	6°	4.0mm	D612-5210-SS	D611-5210-SS
	26	0°	6°	4.0mm	D612-5220-SS	D611-5220-SS

Double combination/Convertible

Pack: 10pcs



System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	18	-14°	10°	4.0mm	D622-6210-SS	D621-6210-SS
	26	-14°	10°	4.0mm	D622-6220-SS	D621-6220-SS
Sliding-MBT*	18	-14°	10°	4.0mm	D622-6210-SS	D621-6210-SS
	26	-14°	10°	4.0mm	D622-6220-SS	D621-6220-SS
Edge-wise	18	0°	6°	4.0mm	D612-6210-SS	D611-6210-SS
	26	0°	6°	4.0mm	D612-6220-SS	D611-6220-SS

Double rectangle/Convertible

Pack: 10pcs



System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	36	-30°	4°	4.0mm	D622-6430-SS	D621-6430-SS
	46	-30°	4°	4.0mm	D622-6440-SS	D621-6440-SS
Sliding-MBT*	36	-20°	0°	4.0mm	D632-6430-SS	D631-6430-SS
	46	-20°	0°	4.0mm	D632-6440-SS	D631-6440-SS
Edge-wise	36	0°	0°	4.0mm	D612-6430-SS	D611-6430-SS
	46	0°	0°	4.0mm	D612-6440-SS	D611-6440-SS

Triple combination/Convertible

Pack: 10pcs



System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	18	-14°	10°	4.0mm	D622-6310-SS	D621-6310-SS
	26	-14°	10°	4.0mm	D622-6320-SS	D621-6320-SS
Sliding-MBT*	18	-14°	10°	4.0mm	D622-6310-SS	D621-6310-SS
	26	-14°	10°	4.0mm	D622-6320-SS	D621-6320-SS
Edge-wise	18	0°	6°	4.0mm	D612-6310-SS	D611-6310-SS
	26	0°	6°	4.0mm	D612-6320-SS	D611-6320-SS

*Note: "SS" means single size (Altogether 32 sizes, which is from 29 to 44+).

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Molar Bands With Weldable Buccal Tubes (Assortments)

All the prewelded bands packed in box are available.

1st molar bands standard Assortments/Quantities of each size

Size	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	Quantity
No.1	1	1	1	1	1	1	1	2	2	2	2	2	4	4	4	4	2	2	2	2	2	1	1	1	1	1	1	1	50pcs
No.2	1	1	1	1	2	2	2	4	4	4	4	4	10	10	10	10	4	4	4	4	4	2	2	2	1	1	1	1	100pcs

Prewelded bands packed in box in common use .

Upper **1st** molar bands/Roth*/Sliding-MBT*/Single rectangle/Non-convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
16	-14°	10°	4.0mm	No.1	D622-5111-A1	D621-5111-A2	Pack: 100pcs
26	-14°	10°	4.0mm	No.1	D622-5121-A1	D621-5121-A2	Pack: 100pcs

Upper **1st** molar bands/Roth*/Sliding-MBT*/Single rectangle/Convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
16	-14°	10°	4.0mm	No.2	D622-6111-A2	D621-6111-A2	Pack: 100pcs
26	-14°	10°	4.0mm	No.2	D622-6121-A2	D621-6121-A2	Pack: 100pcs

Upper **1st** molar bands/Roth*/Sliding-MBT*/Double combination/Convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
16	-14°	10°	4.0mm	No.2	D622-6211-A2	D621-6211-A2	Pack: 100pcs
26	-14°	10°	4.0mm	No.2	D622-6221-A2	D621-6221-A2	Pack: 100pcs

Lower **1st** molar bands/Roth*/Single rectangle/Non-convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
36	-30°	4°	4.0mm	No.2	D622-5131-A2	D621-5131-A2	Pack: 100pcs
46	-30°	4°	4.0mm	No.2	D622-5141-A2	D621-5141-A2	Pack: 100pcs

Lower **1st** molar bands/Roth*/Single rectangle/Convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
36	-30°	4°	4.0mm	No.2	D622-6131-A2	D621-6131-A2	Pack: 100pcs
46	-30°	4°	4.0mm	No.2	D622-6141-A2	D621-6141-A2	Pack: 100pcs

*ORJ's version of Roth is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by Dr. Roth. These are ORJ's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevis.

Prewelded Molar rough bands packed in box

Lower 1st molar bands/Single rectangle/Convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
36	-30°	4°	4.0mm	No.2	D632-6131-A2	D631-6131-A2	Pack: 100pcs
46	-30°	4°	4.0mm	No.2	D632-6141-A2	D631-6141-A2	Pack: 100pcs

2nd molar bands standard assortments/Quantities of each size

Size	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Quantity
No.1	1	1	1	1	1	2	2	2	2	4	4	4	4	4	4	2	2	2	2	1	1	1	1	1	Pack: 50pcs
No.2	1	1	1	2	3	3	3	3	3	10	10	10	10	10	10	3	3	3	3	3	2	1	1	1	Pack: 100pcs

Upper 2nd molar bands/Roth*/Sliding-MBT*/Single rectangle/Non-convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
17	-14°	10°	3.5mm	No.2	D722-5111-A2	D721-5111-A2	Pack: 100pcs
27	-14°	10°	3.5mm	No.2	D722-5121-A2	D721-5121-A2	Pack: 100pcs

Lower 2nd molar bands/Roth*/Single rectangle/Non-convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
37	-30°	4°	3.5mm	No.2	D722-5131-A2	D721-5131-A2	Pack: 100pcs
47	-30°	4°	3.5mm	No.2	D722-5141-A2	D721-5141-A2	Pack: 100pcs

Lower 2nd molar bands/Sliding-MBT*/Single rectangle/Non-convertible

Teeth	Torque	Offset	Width	Assortments	REF		Quantity
					22	18	
37	-10°	0°	3.5mm	No.2	D732-5131-A2	D731-5131-A2	Pack: 100pcs
47	-10°	0°	3.5mm	No.2	D732-5141-A2	D731-5141-A2	Pack: 100pcs

Note: Special distribution of the quantities for each size are available when specifying. But the minimum total quantities in each box should not less than 50pcs.



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Band Conversion Chart

1st molar bands

ORJ STANDARD	3 M Unitek	GAC	DENTAURUM STANDARD
10	31	3	8
11	31.5	4	
12	32	5	9
13	32.5	6	10
14	33	7	11
15	33.5	8	12
16	34	9	13
17	34.5	10	14
			15
18	35	11	16
19	35.5	12	17
20	36	13	18
21	36.5	14	19
			20
22	37	15	
			21
23	37.5	16	22
24	38	17	23
25	38.5	18	24
26	39	19	25
			26
27	39.5	20	27
28	40	21	
29	40.5	22	28
30	41	23	
31	41.5	24	32
32	42	25	
33	42.5	26	
34	43	27	
35	43.5	28	
36	44	29	
37	44.5	30	

Band Conversion Chart

2nd molar bands

ORJ STANDARD	3 M Unitek	GAC	DENTAURUM STANDARD
5	31	3	3
6	31.5	4	4
			5
7	32	5	6
8	32.5	6	7
			8
9	33	7	9
10	33.5	8	10
			11
11	34	9	12
12	34.5	10	13
13	35	11	14
14	35.5	12	15
15	36	13	16
16	36.5	14	17
17	37	15	18
			19
18	37.5	16	20
19	38	17	21
			22
20	38.5	18	23
21	39	19	24
22	39.5	20	25
23	40	21	26
			27
24	40.5	22	28
25	41	23	29
26	41.5	24	30
27	42	25	31
28	42.5	26	
29	43	27	32
30	43.5	28	
31	44	29	
32	44.5	30	

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Auxiliaries ■

**Orthodontic accessories for both
intra-oral and extra-oral practice**

Crimpable Hooks



Size	Width	REF	PACK
0.022"	2.4mm	F201-02	10pcs/pk
0.022"	1.9mm	F201-08	10pcs/pk
0.018"	1.9mm	F201-09	10pcs/pk

Crimpable Hooks,

Short L= 1.3mm
Fixed on the arch wires
inserted structure, easy to use



Size	Width	REF	PACK
0.022"	2.4mm	F201-06	10pcs/pk
0.022"	1.9mm	F201-10	10pcs/pk
0.018"	1.9mm	F201-11	10pcs/pk

Crimpable hooks,

Medium L=2.2mm



Size	Width	REF	PACK
0.022"	2.4mm	F201-03	10pcs/pk
0.022"	1.9mm	F201-12	10pcs/pk
0.018"	1.9mm	F201-13	10pcs/pk

Crimpable Hooks,

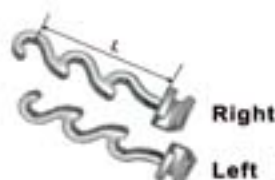
Long L= 3mm
Fixed on the arch wires
inserted structure, easy to use



Size	Fype	REF	PACK
0.022"	Left	F201-04L	10pcs/pk
0.022"	Right	F201-04R	10pcs/pk
0.018"	Left	F201-14L	10pcs/pk
0.018"	Right	F201-14R	10pcs/pk

Long curved Crimpable Hooks

Fixed on the arch wires
Left / Right
L= 5.5mm



Size	Fype	REF	PACK
0.022"	Left	F201-05L	10pcs/pk
0.022"	Right	F201-05R	10pcs/pk
0.018"	Left	F201-15L	10pcs/pk
0.018"	Right	F201-15R	10pcs/pk

Spiral Crimpable hooks

Left / Right
L= 8.7mm



Size	Width	REF	PACK
0.022"	2.4mm	F202-02	10pcs/pk
0.022"	1.9mm	F202-06	10pcs/pk
0.018"	1.9mm	F202-07	10pcs/pk

Stops

Wall thickness:0.30mm



Slot Size	REF	PACK
0.022"x0.028"	F202-01	10pcs/pk
0.018"x0.025"	F202-04	10pcs/pk

Movable hooks

Ball hooks
monoblock by casting



Slot Size	REF	PACK
0.022"	F202-03	10pcs/pk

Cross Tubes

Lingual Buttons/Cleats

Weldable Lingual Buttons

Round base

F301-01

10pcs/pk



Elliptical base

F301-02

10pcs/pk



Bondable Lingual Buttons

Round base, 80# mesh base

F302-01

10pcs/pk



Elliptical base, 80# mesh base

F302-02

10pcs/pk

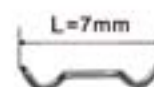


Weldable Lingual Cleats

Slim sheet for molar bands

F303-01

10pcs/pk



Cleats for bicuspid (premolar) bands

F303-03

10pcs/pk



Round base

F303-02

10pcs/pk



Bondable Lingual Cleats

Round mesh base

F304-01

10pcs/pk



Elliptical mesh base

F304-02

10pcs/pk





Left hook	F321-01L	10pcs/pk
Right hook	F321-01R	10pcs/pk

Lingual Sheath With Hook

applied together with palatal bars and expansion springs, capable of inserting 2 pcs of $\varnothing 0.9\text{mm}$ wires



F321-02	10pcs/pk
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Lingual Sheath Without Hook

applied together with palatal bars and expansion springs, capable of inserting 2 pcs of $\varnothing 0.9\text{mm}$ wires



Lingual Retainers Upper 2-2

Direct bonding, Suitable thickness and hardness, easy to use 2pcs/pk

size	14mm	16mm	18mm	20mm
REF	F331-14	F331-16	F331-18	F331-20



Lingual Retainers Lower 3-3

Direct bonding, Suitable thickness and hardness, easy to use 2pcs/pk

size	22mm	24mm	26mm	28mm	30mm
REF	F332-22	F332-24	F332-26	F332-28	F332-30



Lingual Retainers 3-3

Direct bonding, Suitable thickness and hardness, easy to use 2pcs/pk

size	32mm	34mm	36mm	38mm	40mm
REF	F334-32	F334-34	F334-36	F334-38	F334-40



size	29mm	31mm	33mm	35mm	37mm
REF	F335-29	F335-31	F335-33	F335-35	F335-37

Universal Lingual Retainers

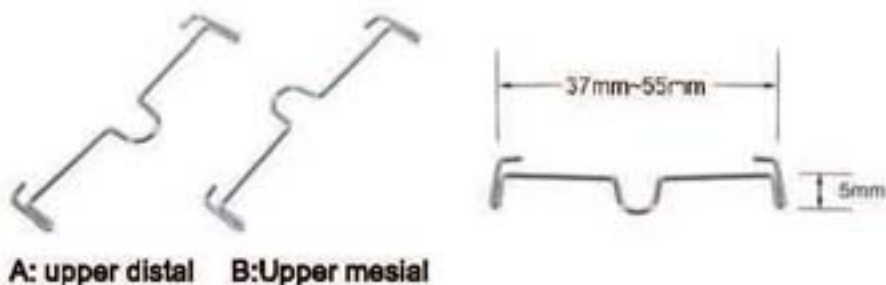
Direct bonding, universal, flexible according to clinical operation 2pcs/pk

size	2.0mm	1.2mm
REF	F333-20	F333-12



Palatal Bars

Fine medical S. S. wires of $\varnothing 0.9\text{mm}$ to provide high anchorage to resist posterior rotation



2pcs/pk

size	37mm	39mm	41mm	43mm
REF	A	F311-37	F311-39	F311-41
	B	F312-37	F312-39	F312-41

size	45mm	47mm	49mm
REF	A	F311-45	F311-47
	B	F312-45	F312-47



Universal Face Bow—Laser Welding Technology

Applied with headgear to provide extra oral anchorage

F411-01 1pc/pk



Asymmetry Face Bow—Laser Welding Technology

Applied with headgear to provide extra oral anchorage

F412-01 1pc/pk



J Hooks

without tubes

F421-01 2pcs/pk



with tubes

F422-01 2pcs/pk



Maxillary Pull System



Large	F511-01L	Blue	1pc/pk
Small	F511-01S	Yellow	1pc/pk



Standard	F511-02B	Blue	1pc/pk
	F511-02R	Red	
Small	F511-02SB	Blue	1pc/pk
	F511-02SR	Red	



F511-04	Orange	1pc/pk
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Face Mask/Adjustable

Mesial movement of laterals in upper and lower jaw. movement of groups of teeth in the arch
Protraction of anterior segments.
Adjustable

Adaptable Class III Mask

With forehead rest and chin cup.
Provide heavy force for Class III cases.

Face Mask/Universal

Mesial movement of laterals in upper and lower jaw. Movement of groups of teeth in the arch
Protraction of anterior segments.
Universal ,Adjustable



F512-01	1set/pk
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F512-04	1set/pk
---------	---------



Light	F512-05L	1set/pk
Heavy	F512-05G	1set/pk

High-pull System

For mounting elastics and face bow, or J hooks
with face bow or J hooks and elastics rings

Mandibular Pull System

With elastics and chin cup

Horizontal Pull System

For mounting elastics and face bows, or J hooks
with face bow or J hooks and elastics rings

High-pull Headgear

With buckle

F513-01	1set/pk
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High-pull Headgear

Without buckle

blue	F513-02	1set/pk
black	F513-03	1set/pk

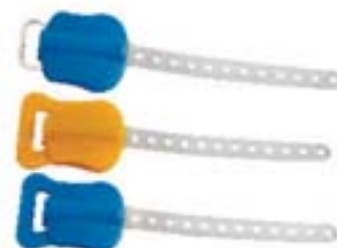


Safety Module

For neck pad and high-pull headgear

Light force	F523-02	2pcs/pk
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Heavy force	F523-03	2pcs/pk
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Safety Neck Pad

with module

short	Light force	F522-01L	1pc/pk
	Heavy force	F522-01G	1pc/pk

Long	Light force	F522-02L	1pc/pk
	Heavy force	F522-02G	1pc/pk



Neck Pad

Without module

short	F522-03	1pc/pk
long	F522-04	1pc/pk





F601-20	30g/roll
F601-25	30g/roll
F601-30	30g/roll

Ligature Wires

Annealed stainless steel

Dia. 0.20mm

Dia. 0.25mm

Dia. 0.30mm



φ 0.30	F611-30	100pcs/pk
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Kobayashi Ligature Wires

Kobayashi wires (long)

With hooks for elastics

Dia.0.30mm



φ 0.30	F612-30	100pcs/pk
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Kobayashi wires (short)

With hooks for elastics

Dia.0.30mm

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Professional INSTRUMENTS

Make your clinical operation more
convenient and comfortable!



Bracket Positioning gauge


G110-01
1 pcs/pk

Crossed(boone)

3.5mm;4.0mm;4.5mm;5.0mm
To precisely placement the bracket on the correct position



0.022"	G110-03	2pcs/pk
0.018"	G110-04	2pcs/pk
2.0~3.5 0.022"	G110-03a	1pcs/pk
3.5~5.0 0.022"	G110-03b	1pcs/pk
2.0~3.5 0.018"	G110-04a	1pcs/pk
3.5~5.0 0.018"	G110-04b	1pcs/pk

Double ended positioning gauge

a: 2.0mm;2.5mm;3.0mm;3.5mm
b: 3.5mm;4.0mm;4.5mm;5.0mm

One piece construction



2.0-6.5mm	G111-00	5pcs/set
2.0-2.5mm	G111-01	1pcs/pk
3.0-3.5mm	G111-02	1pcs/pk
4.0-4.5mm	G111-03	1pcs/pk
5.0-5.5mm	G111-04	1pcs/pk
6.0-6.5mm	G111-05	1pcs/pk

Shaft positioning gauge

With replacement tip

Intra Oral Mirror

Glass mirror with hard surface **G301-10(5pcs/set)**
Auto-clavable, up to 130℃


G301-11
1 pc/pk

Lingual, Large


G301-12
1 pc/pk

Lingual, Small

Buccal

G301-13

1 pc/pk



Occlusion, Large

G301-14

1 pc/pk



Occlusion, Small

G301-15

1 pc/pk



Stainless Steel Mirror

G305-10(3pcs/set)

Lateral

G305-11

1 pc/pk



Large

G305-12

1 pc/pk



Small

G305-13

1 pc/pk



Reflector Holder


G501-01
1 pc/pk
(Mirror holder)

Arch Turrets

**Arch former with precision
For round and rectangular wires**


G211-01 Aluminum Blue 1 pc/pk

Buccal Arch Turrets

Torque 0° 5 slots

Slot size:

0.016"; 0.017"; 0.018";
0.019"; 0.021"


G211-02 Aluminum Yellow 1 pc/pk

Buccal Arch Turrets

Torque 5° , 7° 6 slots

Slot size:

5° : 0.017"; 0.018"; 0.019"
7° : 0.017"; 0.018"; 0.019"


G211-03 Aluminum Gray 1 pc/pk

Buccal Arch Turrets

Torque 10° , 13° ,
16° , 23° 7 slots

Slot size:

10° : 0.016"; 0.018"
13° : 0.016"; 0.018"
16° : 0.016"; 0.018"
23° : 0.018"

Lingual Arch Turrets(with replacement former)

Torque 0° 5 slots

Slot size:

0.016"; 0.017"; 0.018";
0.019"; 0.021"


G211-09 Aluminum Red 1 pc/pk
G211-00 Replacement former 1 pc/pk

Torque 5° , 7° 6 slots

Slot size:

5° : 0.018"; 0.019"; 0.021"
7° : 0.017"; 0.018"; 0.019"

G311-10(5pcs/set) Cheek Retractor

Auto-clavable, up to 130°C

Lateral

G311-11

1 pc/pk



Occlusion-Large

G311-12

1 pc/pk



Occlusion-Small

G311-13

1 pc/pk



Lip Retractor

Large

G312-11

8 pc/pk

Medium

G312-12

8 pc/pk

Small

G312-13

12 pc/pk



Lip Pressure

Autoclavable to 130°C,
To press tip when taking photos.

G313-11

1 pc/pk



Force Gauge

There are two units of measurement

Ounce & gram

Measuring range: 0-450g/0-16 Oz

To measure tension and
compression forces

G212-01

1 pc/pk



1 ounce=28.35gram

Orthodontic Training System



G800-00 1 set/box

Including:

Orthodontic training typodont

Resin teeth

Steel teeth

Wax model Angle II /1

Wax model Angle I

- Light and compact
- Perfect function
- similar to articulator
- Recommended in most orthodontic courses

Orthodontic Training Typodont Set



G811-11 1pc/box

Orthodontic training typodont

Made by Aluminum and stainless steel. Occlusion adjustment range:
back & forth: 0~10mm,
up & down: 0~6mm.



G822-00 28pcs/set

Resin teeth



G821-00 28pcs/set

Steel teeth



G831-00 1set/box

Wax model, Standard



G831-21 1set/box

Wax model, Angle class II /1



G831-10 1set/box

Wax model, Angle class I



G831-30 1set/box

Wax model, Angle class III

Teeth Model

Standard teeth model

Standard teeth model for practice, occlusion plate and the gingiva can not be separated.

Dual color	G851-00	1 set/box
Red	G851-01	1 set/box



Crystal teeth model — Full dentition

Simulated teeth are implanted in the transparent resin model. It can comprehend the impact of bite force to the root clearly and explain the anatomy of the periodontal & root canal with X-ray film.

G855-00	1 set/box
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Orthodontic Model

With metal brackets and tubes
Please specify when ordering

G852-00	1 set/box
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For placement of round and rectangular preformed arch wires

G401-11	1 pc/box
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Arch wire box





Pliers ■

State of art technology

High quality pliers without plating,
perfect performance and quality guarantee.

VST ORTHODONTIC PLIERS



Pliers Features:

1. The new VST series has solved the problem of tip's color changing and tip's broken by importing international advanced technology.
2. Specially designed zero clearance hinge makes handles more tightly connected, and would not be loosened during operation.
3. Designed in accordance with ergonomics and rounded edges, makes dentists and patients more safety and comfortable.
4. Fine imported medical stainless steels, the pliers has been carefully grounded and polished, perfect in workmanship, excellent corrosion resistant and heat-resistant.
5. Made by CNC production lines with exquisite fixtures and moulds, ensuring precision and high quality.



Q106-01	0°	Standard	1pc/pk
Q106-01L	0°	Long handle	1pc/pk
Q106-01M	0°	Mini	1pc/pk
Q106-02	8°	Standard	1pc/pk
Q106-02L	8°	Long handle	1pc/pk

Light wire cutter

Hardness : HRC58-63,
Cutting edge made by new Technology,
ligature wires or elastic rings' diameter
up to 0.30mm (0.021")
(can not be used for cutting arch wires)



Q106-05	Standard	1pc/pk
Q106-05L	Long handle	1pc/pk
Q106-05M	Mini	1pc/pk
Q106-05LM	Long handle Mini	1pc/pk

Distal end cutter

Hardness : HRC 58-63,
Cutting edge made by new technology.
Used to cut the long distal end of arch
wires, and safety holding the cut part.
Arch wires up to 0.021" X0.025"
(0.53mmX0.64mm)



Q106-06	Standard	1pc/pk
Q106-06M	Mini	1pc/pk
Q106-06L	Long handle	1pc/pk
Q106-06LM	Long handle Mini	1pc/pk

Distal end cutter - with flush end

Hardness : HRC 58-63,
Cutting edge made by new technology.
Used to cut the distal end of arch wires
and safety holding the cut part, the distal
end of arch wire will be flush with tube
slot' s distal end. Arch wires up to
0.021" X0.025" (0.53mmX0.64mm)

VST Orthodontic Pliers

Light wire pliers

Hardness of tip: HRC 55-60,
Cutting edge made by new Technology,
Used to make different fine loops for arch wires,
and to make spring loops. Wires' diameter up
to 0.030" (0.76mm)

Q106-07	Standard	1pc/pk
Q106-07L	Long handle	1pc/pk



Light wire pliers with cutter

Hardness of tip: HRC 55-60,
Cutting edge made by new technology,
Used to make different fine loops for
arch wires, and to make spring loops.
Tip with cutting edge for wires cutting.

Q106-08	Standard	1pc/pk
Q106-08L	Long handle	1pc/pk



Heavy cutter

Hardness of tip: HRC 58-63,
Cutting edge made by new technology,
Used to cut Australia wires, NITI wires,
stainless steel wires, Wires' diameter up
to 0.030" (0.76mm)

Q106-09	Standard	1pc/pk
Q106-09L	Long handle	1pc/pk



NITI cinch back pliers

Hardness of tip: HRC 55-60,
Cutting edge made by new technology.
Used to cinch back distal end of arch
wires to avoid any injury of soft tissue.
NITI wires' diameter up to 0.021" (0.53mm)

Q106-10	Dual direction	Standard	1pc/pk
Q106-10L	Dual direction	Long handle	1pc/pk



V stop pliers

To make V stop along arch
wires to prevent any movement.

Q107-01	1pc/pk
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Pliers ■

VST Orthodontic Pliers



Q107-02	Standard	1pc/pk
Q302-01	Replacement blade	10pcs/pk

Cap removing pliers

To remove the caps of convertible tubes.



Q105-01	1pc/pk
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Torque pliers

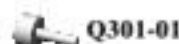
Hardness of tip: HRC55-60,
Cutting edge made by new technology.
Used in pair to make torques on rectangle wires, thickness of tips: 0.050" (1.27mm)



Q105-02	1pc/pk
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Tweed loop pliers

Hardness of tip: HRC55-60,
Cutting edge made by new technology.
To make small loops, distal stops and □ loops on arch wires



Q105-16	Posterior/short tip	1pc/pk
Q105-04	Anterior	1pc/pk
Q301-01	Replacement pad	10pcs/pk

Band remover

Hardness of tip: HRC50-55,
Used to remove bands and other bondable attachment.



Q105-05	1pc/pk
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Bracket removing pliers

Hardness of tip: HRC50-55,
Used to remove anterior brackets.



Q105-06	Standard	1pc/pk
Q105-06L	Long handle	1pc/pk

Posterior bracket removing pliers

Hardness of tip: HRC50-55,
Used to remove posterior brackets.

VST Orthodontic Pliers

Weingart pliers

Hardness of tip: HRC 50-55,
Used to cinch back distal end of arch wires
to avoid any injury of soft tissue.

Q105-07	Standard	1pc/pk
Q105-07L	Long handle	1pc/pk



Crimpable hook pliers

Hardness of tip: HRC 50-55,
To fix the crimpable hooks along arch wires.

Q105-08	Standard	1pc/pk
Q105-08L	Long handle	1pc/pk



Loop bending pliers

Hardness of tip: HRC 50-55,
To make different small loops for
multi-loop edgewise arch wires,
diameter of loops: 2.00, 3.20, 4.20 mm.

Q105-09	1pc/pk
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How's pliers

Hardness of tip: HRC 50-55,
To hold arch wires for guiding
it into buccal tubes, to hold ligature
wires, or to form anterior band.

Q105-10	1pc/pk
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Kim pliers

Hardness of tip: HRC 50-55,
To bend multi-loop edgewise
wires, with cutter on tips.

Q105-11	1pc/pk
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Nance loop bending pliers

Hardness of tip: HRC 50-55,
To make vertical loops of different height
along arch wires, 3.0, 4.0, 5.0, 6.0mm
Wires' diameter up to : 0.022" (0.56mm)

Q105-12	1pc/pk
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Pliers

VST Orthodontic Pliers



Q301-02



Q302-02

Q105-13	Standard	1pc/pk
Q105-13L	Long handle	1pc/pk
Q301-02	Replacement pad	10pcs/pk
Q302-02	Replacement blade	10pcs/pk

Bondage removing pliers

Hardness of tip: HRC50-55,
Used to remove bondage on the crown
without any injury on enamel.



Q105-14	1pc/pk
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Three jaw pliers

Hardness of tip: HRC50-55,
To make V loops and bend arch wires.
Wires' diameter up to 0.030" (0.76mm)



Q105-15	1pc/pk
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Omega loop bending pliers

Hardness of tip: HRC50-55,
To make fine Ω loops. Three different loops :
diameter 0.063" , 0.075" , 0.10"
(diameter 1.6mm, 2.0mm, 2.6mm)



Q103-01	1pc/pk
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Elastic plier

Hardness of tip: HRC50-55,
For expanding elastic separating
rings before separating molar gap.

VST Orthodontic Pliers

Packaging box

Including guarantee sheet
Designed to pack pliers to avoid
any damage during shipment and storage.



Pliers stands

Fully stainless steel stands
Newly designed, high
temperature sterilized.

Q201-04	Standard	1set/pk
Q201-05	Large	1set/pk





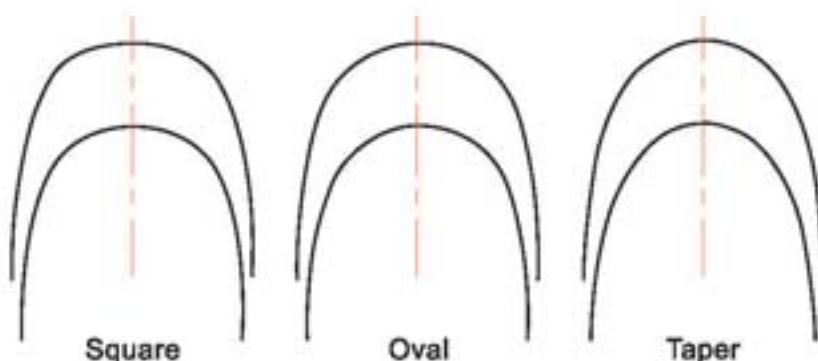
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Arch Wires ■

**Super-elastic NiTi arch wires.
More shapes for different patients**



Super-elastic NiTi Arch Wires

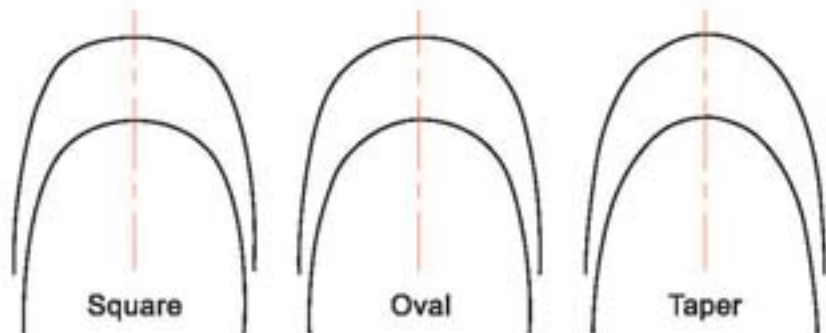


10 pcs/pk

Round	Size inch/mm	Square	Oval	Taper
Upper	0.012"/0.31mm	W111-12U	W121-12U	W131-12U
	0.014"/0.36mm	W111-14U	W121-14U	W131-14U
	0.016"/0.41mm	W111-16U	W121-16U	W131-16U
	0.018"/0.46mm	W111-18U	W121-18U	W131-18U
	0.020"/0.51mm	W111-20U	W121-20U	W131-20U
Lower	0.012"/0.31mm	W111-12L	W121-12L	W131-12L
	0.014"/0.36mm	W111-14L	W121-14L	W131-14L
	0.016"/0.41mm	W111-16L	W121-16L	W131-16L
	0.018"/0.46mm	W111-18L	W121-18L	W131-18L
	0.020"/0.51mm	W111-20L	W121-20L	W131-20L

Rectangle	Size inch/mm	Square	Oval	Taper
Upper	0.016x0.016"/0.41x0.41mm	W111-1616U	W121-1616U	W131-1616U
	0.016x0.022"/0.41x0.56mm	W111-1622U	W121-1622U	W131-1622U
	0.017x0.022"/0.43x0.56mm	W111-1722U	W121-1722U	W131-1722U
	0.017x0.025"/0.43x0.64mm	W111-1725U	W121-1725U	W131-1725U
	0.018x0.022"/0.46x0.56mm	W111-1822U	W121-1822U	W131-1822U
	0.018x0.025"/0.46x0.64mm	W111-1825U	W121-1825U	W131-1825U
	0.019x0.025"/0.48x0.64mm	W111-1925U	W121-1925U	W131-1925U
	0.021x0.025"/0.53x0.64mm	W111-2125U	W121-2125U	W131-2125U
Lower	0.016x0.016"/0.41x0.41mm	W111-1616L	W121-1616L	W131-1616L
	0.016x0.022"/0.41x0.56mm	W111-1622L	W121-1622L	W131-1622L
	0.017x0.022"/0.43x0.56mm	W111-1722L	W121-1722L	W131-1722L
	0.017x0.025"/0.43x0.64mm	W111-1725L	W121-1725L	W131-1725L
	0.018x0.022"/0.46x0.56mm	W111-1822L	W121-1822L	W131-1822L
	0.018x0.025"/0.46x0.64mm	W111-1825L	W121-1825L	W131-1825L
	0.019x0.025"/0.48x0.64mm	W111-1925L	W121-1925L	W131-1925L
	0.021x0.025"/0.53x0.64mm	W111-2125L	W121-2125L	W131-2125L

Heat-activated NITI Arch Wires



5 pcs/pk

Round	Size inch/mm	Square	Oval	Taper
Upper	0.012"/0.31mm	W211-12U	W221-12U	W231-12U
	0.014"/0.36mm	W211-14U	W221-14U	W231-14U
	0.016"/0.41mm	W211-16U	W221-16U	W231-16U
	0.018"/0.46mm	W211-18U	W221-18U	W231-18U
	0.020"/0.51mm	W211-20U	W221-20U	W231-20U
Lower	0.012"/0.31mm	W211-12L	W221-12L	W231-12L
	0.014"/0.36mm	W211-14L	W221-14L	W231-14L
	0.016"/0.41mm	W211-16L	W221-16L	W231-16L
	0.018"/0.46mm	W211-18L	W221-18L	W231-18L
	0.020"/0.51mm	W211-20L	W221-20L	W231-20L

Rectangle	Size inch/mm	Square	Oval	Taper
Upper	0.016x0.016"/0.41x0.41mm	W211-1616U	W221-1616U	W231-1616U
	0.016x0.022"/0.41x0.56mm	W211-1622U	W221-1622U	W231-1622U
	0.017x0.022"/0.43x0.56mm	W211-1722U	W221-1722U	W231-1722U
	0.017x0.025"/0.43x0.64mm	W211-1725U	W221-1725U	W231-1725U
	0.018x0.022"/0.46x0.56mm	W211-1822U	W221-1822U	W231-1822U
	0.018x0.025"/0.46x0.64mm	W211-1825U	W221-1825U	W231-1825U
	0.019x0.025"/0.48x0.64mm	W211-1925U	W221-1925U	W231-1925U
	0.021x0.025"/0.53x0.64mm	W211-2125U	W221-2125U	W231-2125U
Lower	0.016x0.016"/0.41x0.41mm	W211-1616L	W221-1616L	W231-1616L
	0.016x0.022"/0.41x0.56mm	W211-1622L	W221-1622L	W231-1622L
	0.017x0.022"/0.43x0.56mm	W211-1722L	W221-1722L	W231-1722L
	0.017x0.025"/0.43x0.64mm	W211-1725L	W221-1725L	W231-1725L
	0.018x0.022"/0.46x0.56mm	W211-1822L	W221-1822L	W231-1822L
	0.018x0.025"/0.46x0.64mm	W211-1825L	W221-1825L	W231-1825L
	0.019x0.025"/0.48x0.64mm	W211-1925L	W221-1925L	W231-1925L
	0.021x0.025"/0.53x0.64mm	W211-2125L	W221-2125L	W231-2125L

NiTi Reverse Curve Arch Wires

2 pcs/pk



Round	Size inch/mm	REF
Upper	0.012"/0.31mm	W341-12U
	0.014"/0.36mm	W341-14U
	0.016"/0.41mm	W341-16U
	0.018"/0.46mm	W341-18U
	0.020"/0.51mm	W341-20U
Lower	0.012"/0.31mm	W341-12L
	0.014"/0.36mm	W341-14L
	0.016"/0.41mm	W341-16L
	0.018"/0.46mm	W341-18L
	0.020"/0.51mm	W341-20L

Rectangle	Size inch/mm	REF
Upper	0.016x0.016"/0.41x0.41mm	W341-1616U
	0.016x0.022"/0.41x0.56mm	W341-1622U
	0.017x0.022"/0.43x0.56mm	W341-1722U
	0.017x0.025"/0.43x0.64mm	W341-1725U
	0.018x0.022"/0.46x0.56mm	W341-1822U
	0.018x0.025"/0.46x0.64mm	W341-1825U
	0.019x0.025"/0.48x0.64mm	W341-1925U
	0.021x0.025"/0.53x0.64mm	W341-2125U
Lower	0.016x0.016"/0.41x0.41mm	W341-1616L
	0.016x0.022"/0.41x0.56mm	W341-1622L
	0.017x0.022"/0.43x0.56mm	W341-1722L
	0.017x0.025"/0.43x0.64mm	W341-1725L
	0.018x0.022"/0.46x0.56mm	W341-1822L
	0.018x0.025"/0.46x0.64mm	W341-1825L
	0.019x0.025"/0.48x0.64mm	W341-1925L
	0.021x0.025"/0.53x0.64mm	W341-2125L

Round NITI wire, 5M in length

1 roll/pk



Diameter inch/mm	REF	
	Black	White
0.012"/0.31mm	W501-12	W502-12
0.014"/0.36mm	W501-14	W502-14
0.016"/0.41mm	W501-16	W502-16
0.018"/0.46mm	W501-18	W502-18
0.020"/0.51mm	W501-20	W502-20

NiTi Spring

Description	Size	Diameter/REF		Packing
		0.010"/0.25mm	0.012"/0.31mm	
Closed	6mm	W611-1006	W611-1206	10 pcs/pk
	9mm	W611-1009	W611-1209	
	12mm	W611-1012	W611-1212	
Open	180mm	W621-1018	W621-1218	2 pcs/pk



NiTi Closed Spring With Eyelets

Description	Size	Diameter/REF		Packing
		0.010"/0.25mm	0.012"/0.31mm	
Same	6mm	W612-1006	W612-1206	10 pcs/pk
	9mm	W612-1009	W612-1209	
	12mm	W612-1012	W612-1212	
Different	6mm	W613-1006	W613-1206	10 pcs/pk
	9mm	W613-1009	W613-1209	
	12mm	W613-1012	W613-1212	

Same eyelets

Inner Diameter: Φ 1.5mm



Different eyelets

Inner Diameter: $L=2mm$,
 $\Phi a=3.3mm$,
 $\Phi b=1.7mm$



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