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**ORJ**  
**ORTHODONTICS**  
 Product catalogue





Hangzhou ORJ Medical Instrument & Material Co., Ltd. is one of the leading and earliest companies to develop and manufacture high quality orthodontic products. Hangzhou ORJ has strong independent innovation capability to develop orthodontic products, and it is equipped with complete modern manufacturing facilities and first-class productive technology.

Hangzhou ORJ has already been certificated ISO13485 for medical devices, CE certificate for European market and FDA for American market. We provide a complete orthodontic product portfolio, which includes orthodontic brackets, tubes, bands, instrument, accessories and orthodontic pliers.

In Oct 2010, 3M China partnering with 3M Unitek acquired Hangzhou ORJ and now it formally becomes one of 3M China's wholly-owned subsidiaries. Now, ORJ still keeps the "ORJ" brand and this acquisition will gear up ORJ to further optimize the existing products and provide better and broader solutions to orthodontists.



ISO13485: 2003



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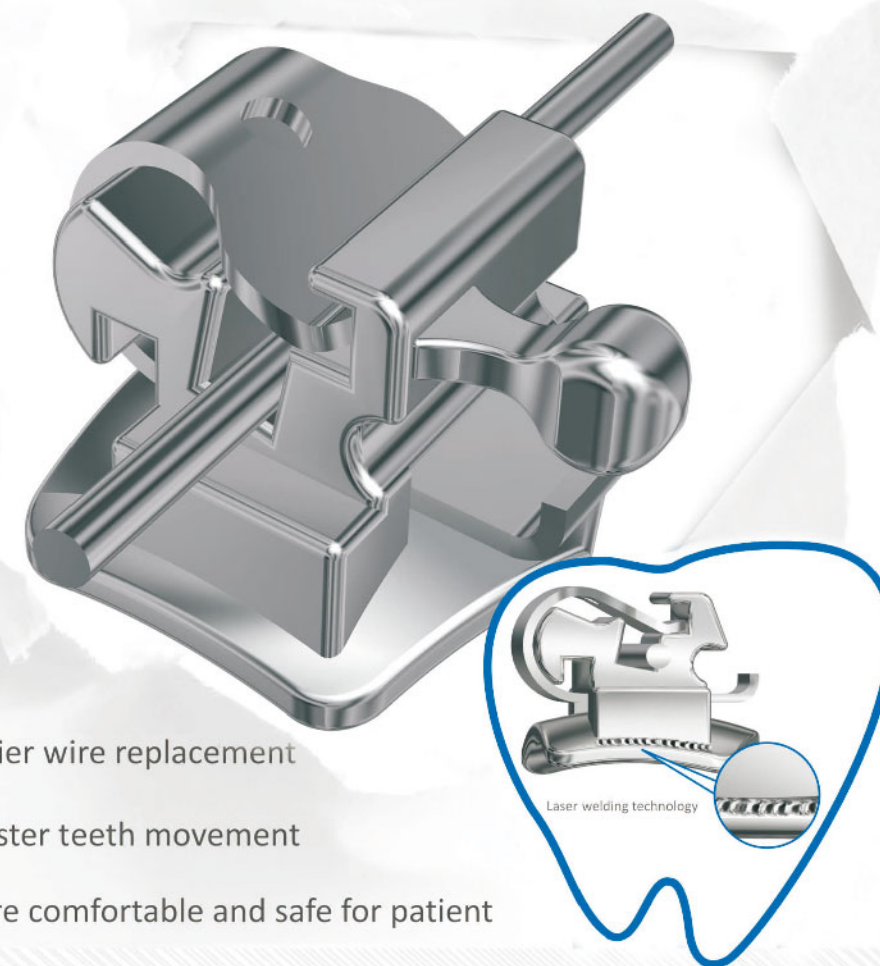
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# Brackets

## SELF-LIGATING ROTH BRACKETS



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

### Bracket body

- Medical stainless steel with high rigidity
- Precision machining, smooth surface

### Laser welding technology

- The combination of brackets body and mesh base use continue digital control laser welding technology based on the accurate position

### Mesh base

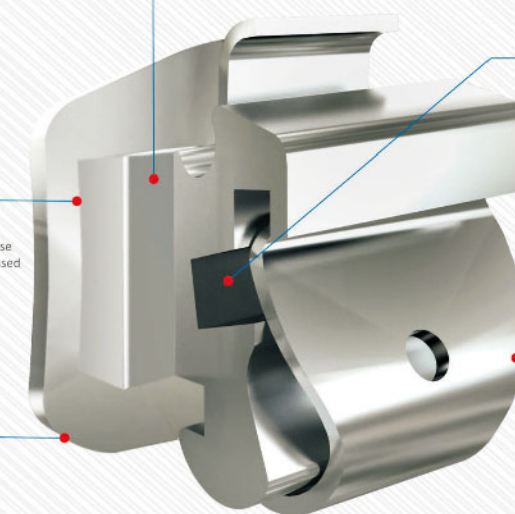
- 80 mesh base

### Bracket Slot

- 0.022"×0.025" slot, enough contain 0.019"×0.025" rectangle arch wire

### Elastic clip

- Classical design, easy open, easy close, reliable quality, stable performance and no deformation



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

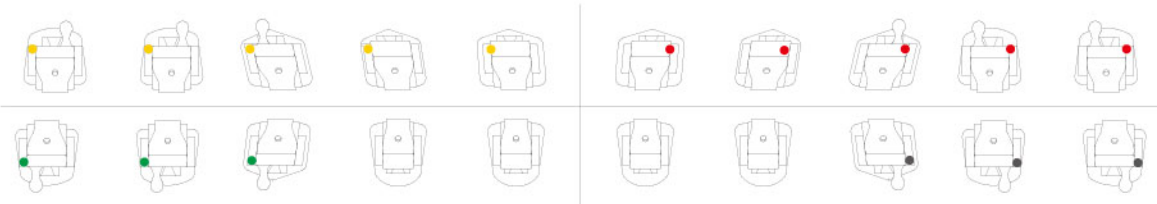


Self Ligating Series

Standard Roth\* Brackets

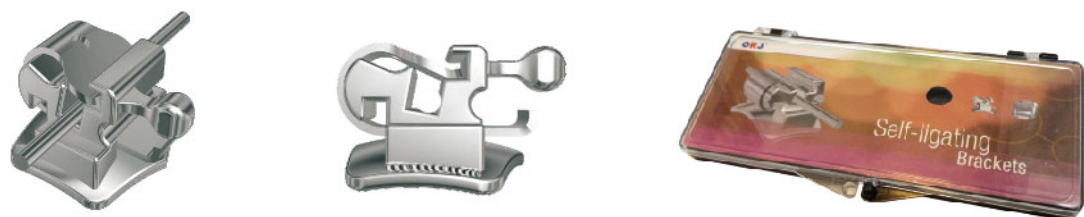
Super elastic clip/80 Mesh Base

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		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



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		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

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



# DIAMOND Series Brackets



80 Mesh base

**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.

\*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.



**Brackets Features**

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**Diamond series**

- Newly 3D-designed compact brackets with rounded edges let patients feel more comfortable
- Precision slot and smooth surface
- Hard stainless steel ensures lower profile and stable slot size during whole treatment

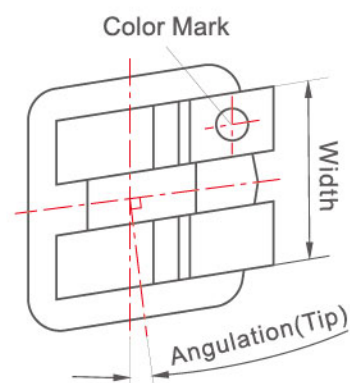
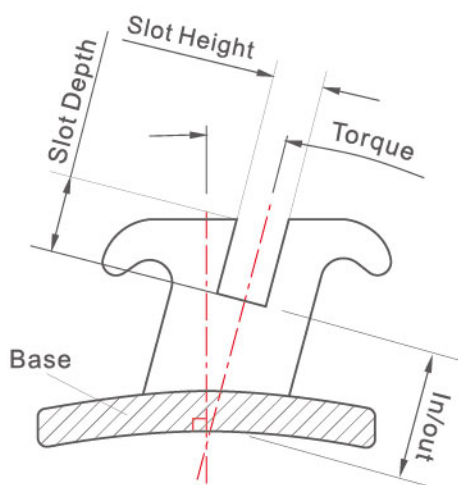
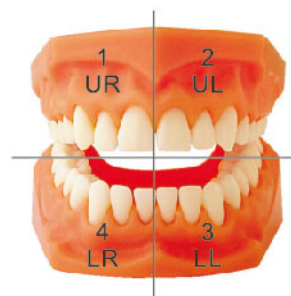


**Gem series**

- 80 mesh base is firmly joined by automatic welding technology
- Smooth surface and mini size let patient feel comfortable
- Hard stainless steel ensure stable performance

**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

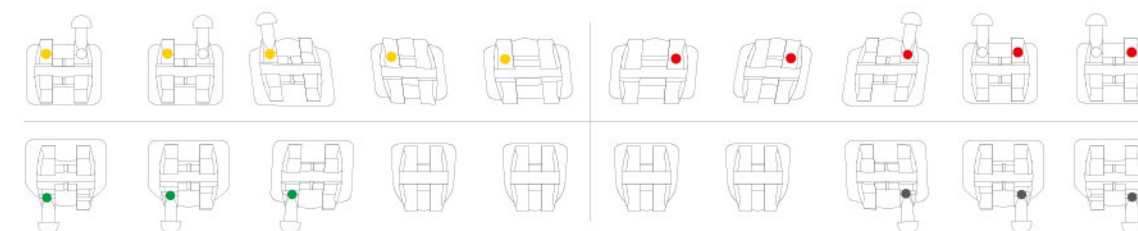


**Diamond Series Brackets**

**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
REF	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
REF	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



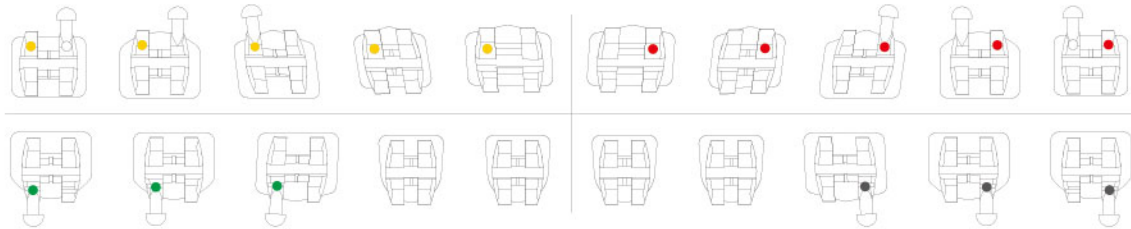
\*ORJ's version of Roth is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by Dr. Roth.



**Diamond Series Brackets**  
**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

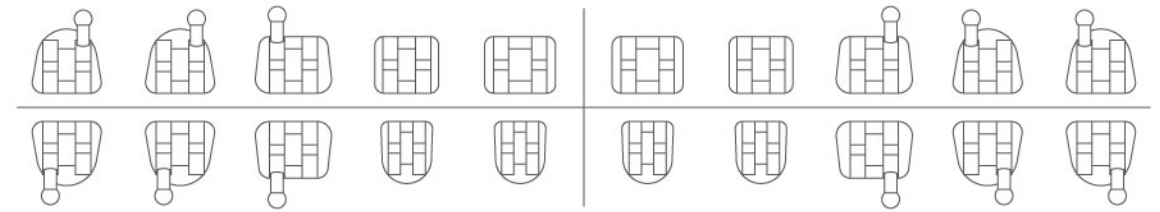


\*These are ORJ's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.

**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	TB11-1014
		With hook	TB11-1114	TB11-1114	TB11-1113	-	-	-	-	TB11-1123	TB11-1124	TB11-1124
	22	Without hook	TB12-1014	TB12-1014	TB12-1013	TB12-1012	TB12-1011	TB12-1011	TB12-1012	TB12-1013	TB12-1014	TB12-1014
		With hook	TB12-1114	TB12-1114	TB12-1113	-	-	-	-	TB12-1123	TB12-1124	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	TB11-1014
		With hook	TB11-1114	TB11-1114	TB11-1123	-	-	-	-	TB11-1113	TB11-1124	TB11-1124
	22	Without hook	TB12-1014	TB12-1014	TB12-1013	TB12-1031	TB12-1031	TB12-1031	TB12-1031	TB12-1013	TB12-1014	TB12-1014
		With hook	TB12-1114	TB12-1114	TB12-1123	-	-	-	-	TB12-1113	TB12-1124	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

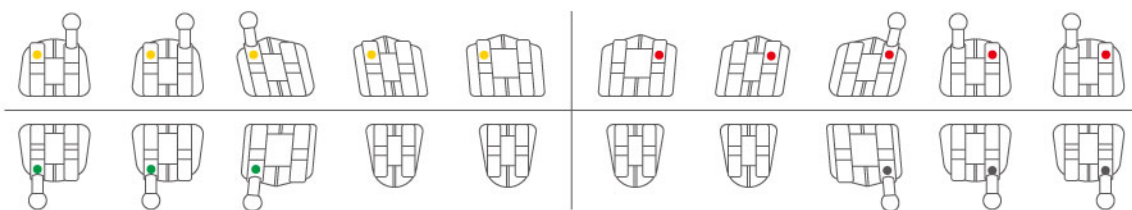




### Gem Series Brackets Standard Roth\* Brackets

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	TB21-1024
		With hook	TB21-1114	TB21-1114	TB21-1113	—	—	—	—	TB21-1123	TB21-1124	TB21-1124
	22	Without hook	TB22-1014	TB22-1014	TB22-1013	TB22-1012	TB22-1011	TB22-1021	TB22-1022	TB22-1023	TB22-1024	TB22-1024
		With hook	TB22-1114	TB22-1114	TB22-1113	—	—	—	—	TB22-1123	TB22-1124	TB22-1124
Single Packs	10	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	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

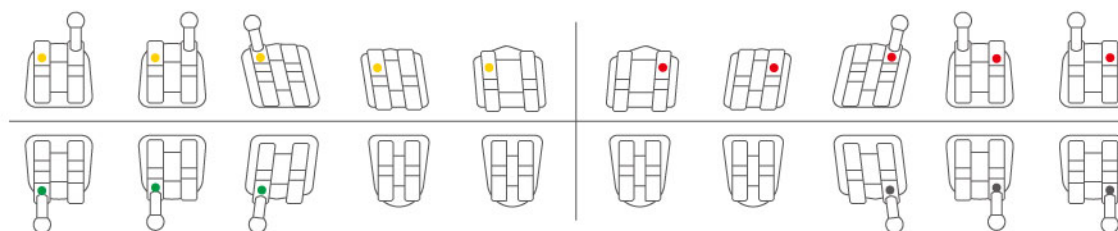


\*ORJ's version of Roth is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by Dr. Roth.

### 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	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	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



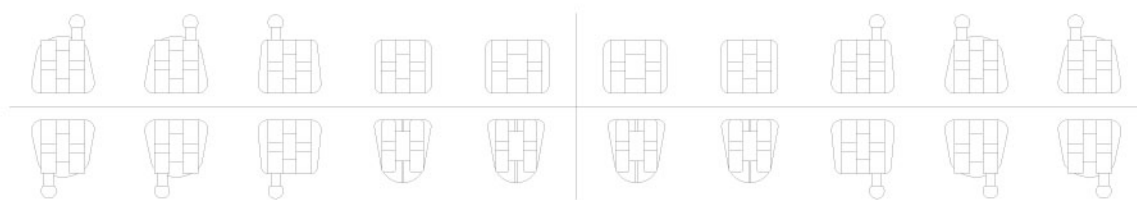
\*These are ORJ's versions of techniques and do not imply or indicate any endorsement by Drs. McLaughlin, Bennett and Trevisi.



**Gem Series Brackets**  
**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	TB11-2114	TB11-2114	TB11-2113	—	—	—	—	TB11-2123	TB11-2124	TB11-2124
		With hook										
REF	22	Without hook	TB12-2114	TB12-2114	TB12-2113	—	—	—	—	TB12-2123	TB12-2124	TB12-2124
		With hook										
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	TB11-2114	TB11-2114	TB11-2123	—	—	—	—	TB11-2113	TB11-2124	TB11-2124
		With hook										
REF	22	Without hook	TB12-2114	TB12-2114	TB12-2123	—	—	—	—	TB12-2113	TB12-2124	TB12-2124
		With hook										
Single Packs			10	10	10	10	10	10	10	10	10	10

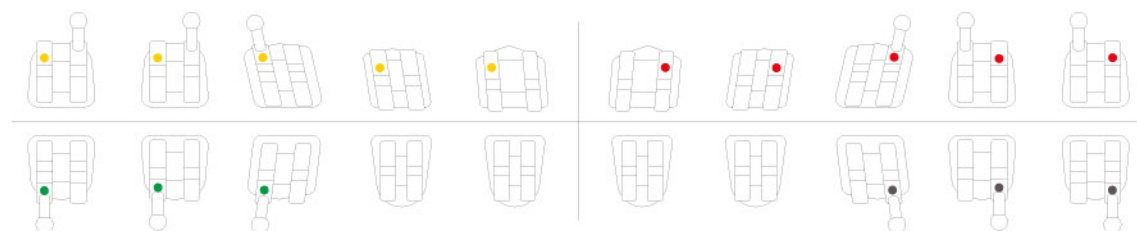
Slot Size	Assortments Packs	Quantity	Without hook	Cuspid With hook	3,4,5 With hooks
18	1 Kit	20pcs	TB11-20	TB11-23	TB11-24
22	1 Kit	20pcs	TB12-20	TB12-23	TB12-24



**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	TB21-2024
		With hook										
REF	22	Without hook	TB22-2014	TB22-2014	TB22-2013	TB22-2012	TB22-2011	TB22-2021	TB22-2022	TB22-2023	TB22-2024	TB22-2024
		With hook										
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										
REF	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										
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



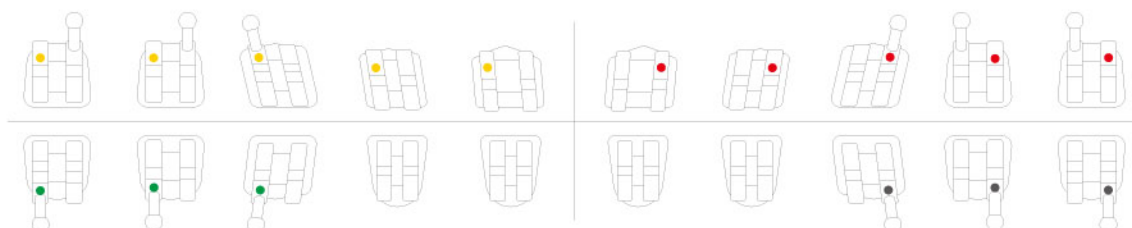
\*ORJ's version of Roth is not claimed to be a duplication of any other, nor does ORJ imply that it is endorsed in any way by Dr. Roth.



**Gem Series Brackets**  
**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	TB31-2024
		With hook	TB31-2114	TB31-2114	TB31-2113	—	—	—	—	TB31-2123	TB31-2124	TB31-2124
	22	Without hook	TB32-2014	TB32-2014	TB32-2013	TB32-2012	TB32-2011	TB32-2021	TB32-2022	TB32-2023	TB32-2024	TB32-2024
		With hook	TB32-2114	TB32-2114	TB32-2113	—	—	—	—	TB32-2123	TB32-2124	TB32-2124
Single Packs	10	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	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



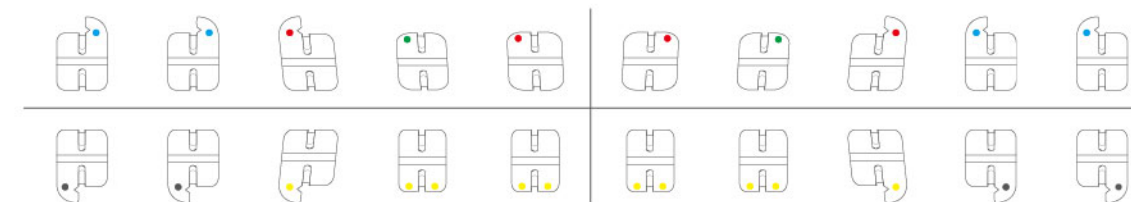
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Maxillary      Mandibular      Upper & Lower

**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	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	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



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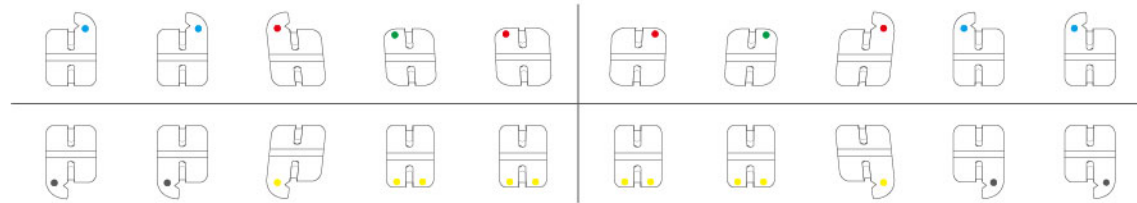
Maxillary      Mandibular      Upper & Lower



Clear Series  
MBT\* Brackets

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°	0°	+3°	+2°		
In/out mm	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.1	1.1		
Width mm	3.4	3.4	3.4	3.0	3.0	3.0	3.0	3.0	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



# Buccal Tubes

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



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

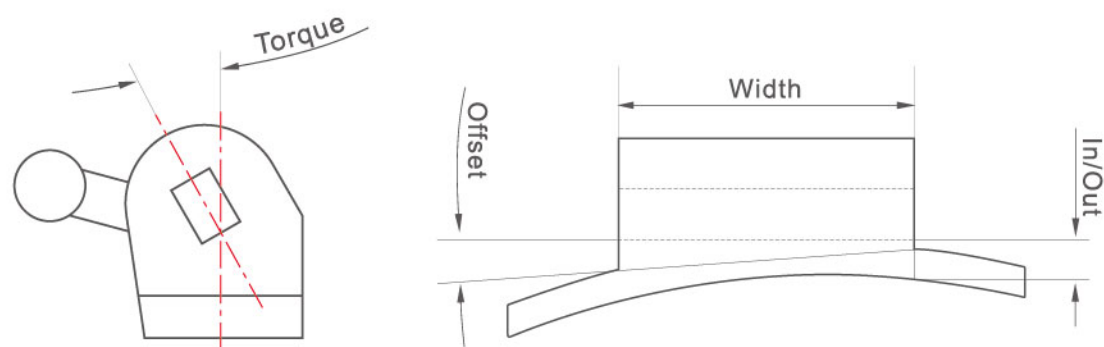


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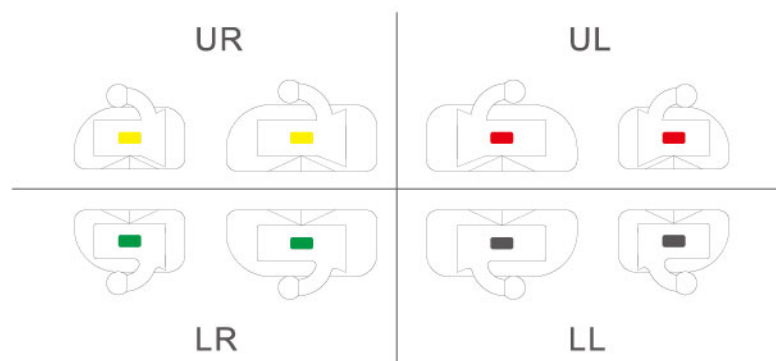
**Features:**

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**

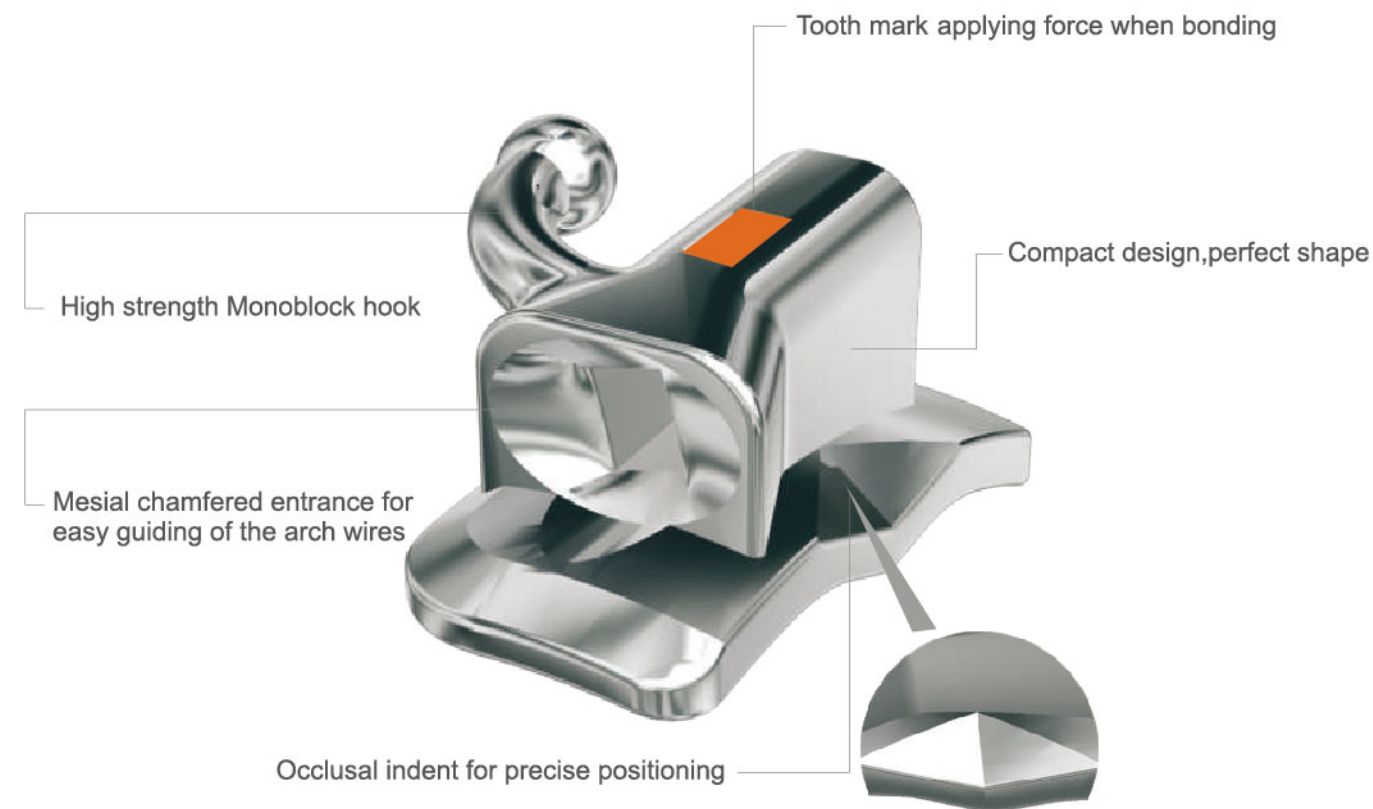


**COLOR MARK IN FOUR QUADRANT**



# 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.



Diamond Series 

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
Roth*	16	-14°	10°	0.5mm	4.0mm	J622-5115	J621-5115	J622-6115
	26	-14°	10°	0.5mm	4.0mm	J622-5125	J621-5125	J622-6125
	36	-30°	4°	0.5mm	4.0mm	J622-5135	J621-5135	J622-6135
	46	-30°	4°	0.6mm	4.0mm	J622-5145	J621-5145	J622-6145
Sliding -MBT*	16	-14°	10°	0.5mm	4.0mm	J632-5115	J631-5115	J632-6115
	26	-14°	10°	0.5mm	4.0mm	J632-5125	J631-5125	J632-6125
	36	-20°	0°	0.6mm	4.0mm	J632-5135	J631-5135	J632-6135
	46	-20°	0°	0.6mm	4.0mm	J632-5145	J631-5145	J632-6145
Edge Wise	16/36	0°	0°	0.6mm	4.0mm	J612-5115	J611-5115	J612-6115
	26/46	0°	0°	0.6mm	4.0mm	J612-5125	J611-5125	J612-6125



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*	16/26	-14°	10°	0.5mm	4.0mm	J622-5105	J621-5105	J622-6105	J621-6105
	36/46	-30°	4°	0.5mm	4.0mm	J622-5105	J621-5105	J622-6105	J621-6105
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	J632-5105	J631-5105	J632-6105	J631-6105
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	J612-5105	J611-5105	J612-6105	J611-6105

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	
						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



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	
						22	18
Roth*	17/27	-14°	10°	0.4mm	3.5mm	J722-5105	J721-5105
	37/47	-30°	4°	0.4mm	3.5mm	J722-5105	J721-5105
Sliding -MBT*	17/27	-14°	10°	0.4mm	3.5mm	J732-5105	J731-5105
	37/47	-10°	0°	0.4mm	3.5mm	J732-5105	J731-5105
Edge Wise	17/27	0°	0°	0.4mm	3.5mm	J712-5105	J711-5105
	37/47	0°	0°	0.4mm	3.5mm	J712-5105	J711-5105

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Crystal Series

Weldable / precision Casting

1st 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*	16	-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



Triple combination □□○ Slot: 18 x 25 / 0.46 x 0.64mm  
22 x 28 / 0.56 x 0.71mm Round: ∅45 / 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	—	—	J622-2311	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



Double combination □□ Round: ∅45 / 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



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	—	—

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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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*	16/26	-14°	10°	0.4mm	4.0mm	J622-1101	J621-1101	J622-2101	J621-2101
	36/46	-30°	4°	0.4mm	4.0mm				
Sliding -MBT*	16/26	-14°	10°	0.4mm	4.0mm	J632-1101	J631-1101	J632-2101	J631-2101
	36/46	-20°	0°	0.4mm	4.0mm				
Edge Wise	16/26	0°	0°	0.4mm	4.0mm	J612-1101	J611-1101	J612-2101	J611-2101
	36/46	0°	0°	0.4mm	4.0mm				



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 Wise	17/37	0°	0°	0.4mm	3.5mm	J712-1101	J711-1101	-	-
	27/47	0°	0°	0.4mm	3.5mm				



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

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16/26	-14°	10°	0.4mm	4.0mm	J622-1201	J621-1201	J622-2201	J621-2201
	36/46	-30°	4°	0.4mm	4.0mm				
Sliding -MBT*	16/26	-14°	10°	0.4mm	4.0mm	-	-	J632-2201	J631-2201
	36/46	-20°	0°	0.4mm	4.0mm				
Edge Wise	16/26	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 22 x 28 / 0.56 x 0.71mm Round: Ø 45 / 1.15mm Pack: 4pcs/set

System	Teeth	Torque	Offset	In/out	Width	REF			
						Non-convertible		Convertible	
						22	18	22	18
Roth*	16/26	-14°	10°	0.4mm	4.0mm	-	-	J622-2301	J621-2301
	36/46	-30°	4°	0.4mm	4.0mm				
Sliding -MBT*	16/26	-14°	10°	0.4mm	4.0mm	-	-	J632-2301	J631-2301
	36/46	-20°	0°	0.4mm	4.0mm				
Edge Wise	16/26	0°	6°	0.4mm	4.0mm	-	-	J612-2301	J611-2301
	36/46	0°	0°	0.4mm	4.0mm				



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Bands

### 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

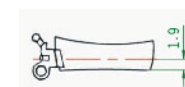
Please specify the following extra process when ordering:

- 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 gingiva positioning  
Center of edgewise slot nearest occlusal is 0.075 in(1.9mm)

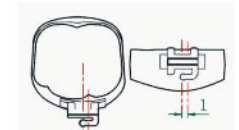


Centerline of buccal tube positioned on buccal indent  
From occlusal edge of band.  
Round tube mounted to occlusal

Mandibular

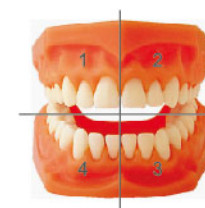


Occlusal gingival positioning  
center of edgewise slot nearest occlusal is 0.075 in.(1.9mm)  
from occlusal edge of band.hooks are located in mesial-gingival coordinate.



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

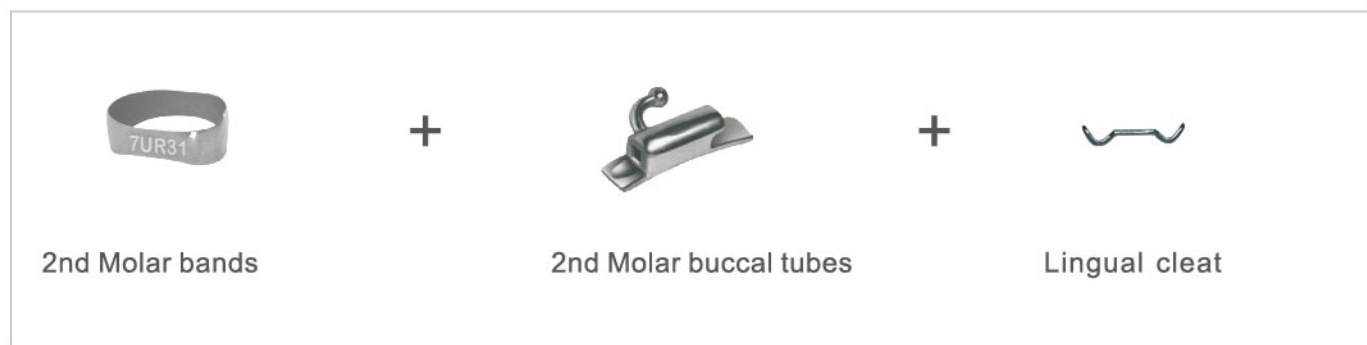
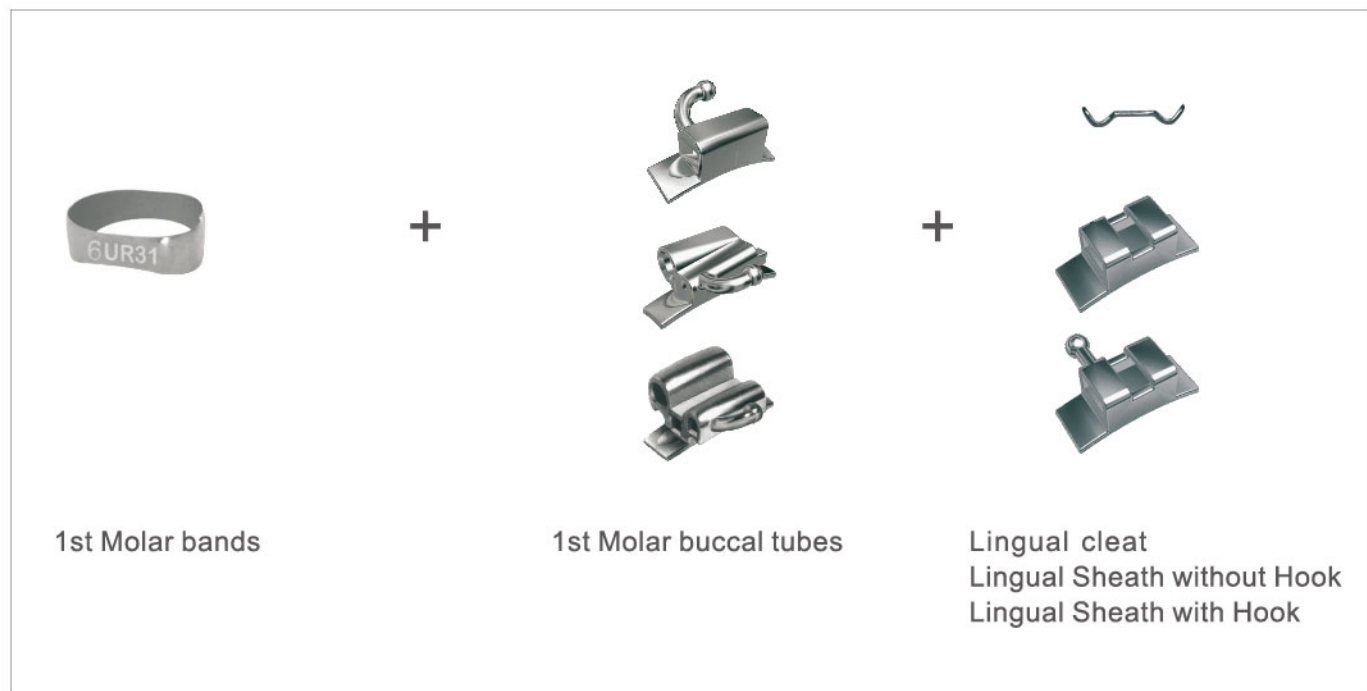
#### FDI System



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



Plain 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.

Maxillary	Mandibular	Upper & Lower
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Plain 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



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Plain 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

1st molar bands

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

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

2nd molar bands

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





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



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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Rough Molar Bands With Weldable Buccal Tubes ( Individual packs )

Double combination/Non-convertible

Pack: 10pcs

System	Teeth	Torque	Offset	Width	REF	
					22	18
Roth*	16	-14°	10°	4.0mm	D622-5210-SS*	D621-5210-SS
	26	-14°	10°	4.0mm	D622-5220-SS	D621-5220-SS
Edge-wise	16	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*	16	-14°	10°	4.0mm	D622-6210-SS	D621-6210-SS
	26	-14°	10°	4.0mm	D622-6220-SS	D621-6220-SS
Sliding -MBT*	16	-14°	10°	4.0mm	D632-6210-SS	D631-6210-SS
	26	-14°	10°	4.0mm	D632-6220-SS	D631-6220-SS
Edge-wise	16	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*	16	-14°	10°	4.0mm	D622-6310-SS	D621-6310-SS
	26	-14°	10°	4.0mm	D622-6320-SS	D621-6320-SS
Sliding -MBT*	16	-14°	10°	4.0mm	D632-6310-SS	D631-6310-SS
	26	-14°	10°	4.0mm	D632-6320-SS	D631-6320-SS
Edge-wise	16	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+).

\*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 Trevisi.



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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	

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## Band Conversion Chart

## 2nd molar bands

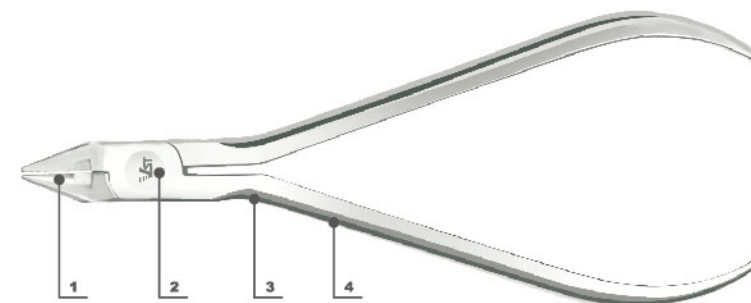
ORJ STANDARD	3 M Unitek	GAC	DENTAURUM STANDARD
5	31	3	3
6	31.5	4	4
			5
7	32	5	6
8	32.5	6	7
			8
9	33	7	9
10	33.5	8	10
			11
11	34	9	12
12	34.5	10	13
13	35	11	14
14	35.5	12	15
15	36	13	16
16	36.5	14	17
17	37	15	18
			19
18	37.5	16	20
19	38	17	21
			22
20	38.5	18	23
21	39	19	24
22	39.5	20	25
23	40	21	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	





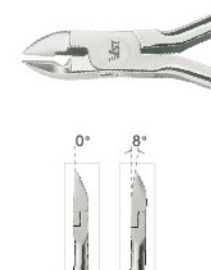
**State of art technology**  
**High quality pliers without plating,**  
**perfect performance and quality guarantee.**

**VST Orthodontic Pliers**  
**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.



<b>Q106-01</b>	0°	Standard	1pc/pk
<b>Q106-01L</b>	0°	Long handle	1pc/pk
<b>Q106-02</b>	8°	Standard	1pc/pk

**Light wire cutter**

Hardness : HRC58-63,  
 Cutting edge made by new Technology,  
 ligature wires or elastic rings' diameter  
 up to 0.30mm (0.012" )  
 (can not be used for cutting arch wires)



<b>Q106-05</b>	Standard	1pc/pk
<b>Q106-05L</b>	Long handle	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)  
 Mini tip : 0.018" x0.022"



<b>Q106-06</b>	Standard	1pc/pk
<b>Q106-06L</b>	Long handle	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
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## Light wire pliers with cutter

Hardness of tip: HRC55-60,  
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
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## 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
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## NITI cinch back pliers

Hardness of tip: HRC55-60,  
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)

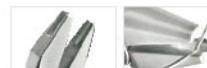
Q106-10	Dual direction	Standard	1pc/pk
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## V stop pliers

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

Q107-01	Standard	1pc/pk
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## VST Orthodontic Pliers



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

## Cap removing pliers

To remove the caps of convertible tubes.



Q105-01	Standard	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	Standard	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  $\Omega$  loops on arch wires



Q105-16	Posterior/long tip	1pc/pk
Q301-01	Replacement tips	10pcs/pk



## Band remover

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



Q105-05	Standard	1pc/pk
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## Bracket removing pliers

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



Q105-06	Standard	1pc/pk
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## Posterior bracket removing pliers

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



## VST Orthodontic Pliers

**Weingart pliers**

Hardness of tip: HRC50-55,  
Used to cinch back distal end of arch wires  
to avoid any injury of soft tissue.

Q105-07	Standard	1pc/pk
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**Crimpable hook pliers**

Hardness of tip: HRC50-55,  
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: HRC50-55,  
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: HRC50-55,  
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: HRC50-55,  
To bend multi-loop edgewise  
wires, with cutter on tips.

Q105-11	1pc/pk
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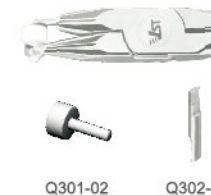
**Nance loop bending pliers**

Hardness of tip: HRC50-55,  
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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## VST Orthodontic Pliers



Q105-13	Standard	1pc/pk
Q301-02	Replacement tips	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.

Q301-02 Q302-02



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  $\Omega$  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



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



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**Crimpable Hooks**

**Crimpable Hooks,**

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

Size	Width	REF	PACK
0.022"	2.4mm	F201-02	10pcs/pk



**Crimpable hooks,**

Medium L=2.2mm

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



**Crimpable Hooks,**

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

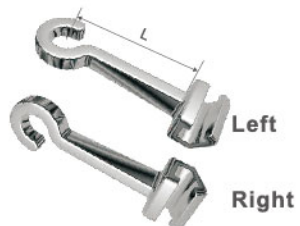
Size	Width	REF	PACK
0.022"	2.4mm	F201-03	10pcs/pk



**Long curved Crimpable Hooks**

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

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



**Stops**

Wall thickness:0.30mm

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



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**Lingual Buttons/Cleats**



F301-01	10pcs/pk
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**Weldable Lingual Buttons**

Round base



F301-02	10pcs/pk
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Elliptical base



F302-01	10pcs/pk
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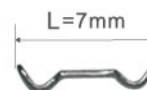
**Bondable Lingual Buttons**

Round base,80# mesh base



F302-02	10pcs/pk
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Elliptical base,80# mesh base



F303-01	10pcs/pk
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**Weldable Lingual Cleats**

Slim sheet for molar bands



F303-02	10pcs/pk
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Round base



F304-01	10pcs/pk
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**Bondable Lingual Cleats**

Round mesh base



F304-02	10pcs/pk
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Elliptical mesh base

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**Lingual Sheath With Hook**

applied together with palatal bars and expansion springs, capable of inserting 2 pcs of Ø0.9mm wires

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



**Lingual Sheath Without Hook**

applied together with palatal bars and expansion springs, capable of inserting 2 pcs of Ø0.9mm wires

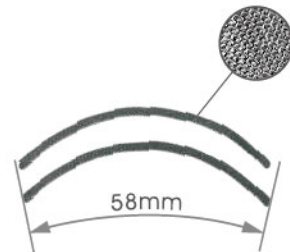
F321-02	10pcs/pk
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**Universal Lingual Retainers**

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

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



**Universal Face Bow—Laser Welding Technology**

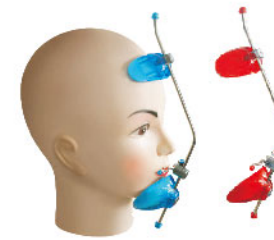
Applied with headgear to provide extra oral anchorage

F411-01	1pc/pk
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**Face Mask**



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

**Adaptable Class III Mask**

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



F511-04	Orange	1pc/pk
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**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

**Ligature Wires**

Annealed stainless steel

- Dia. 0.20mm
- Dia. 0.25mm
- Dia. 0.30mm



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

**Kobayashi Ligature Wires**

**Kobayashi wires (long)**

With hooks for elastics  
Dia.0.30mm



φ 0.30	F611-30	100pcs/pk
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**Kobayashi wires (short)**

With hooks for elastics  
Dia.0.30mm

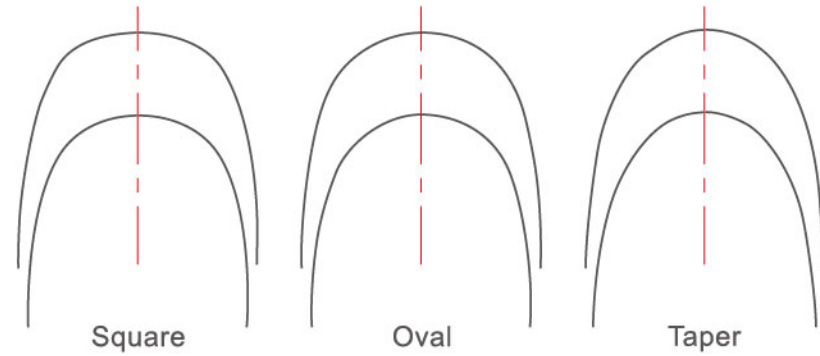


φ 0.30	F612-30	100pcs/pk
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Super-elastic NiTi Arch Wires



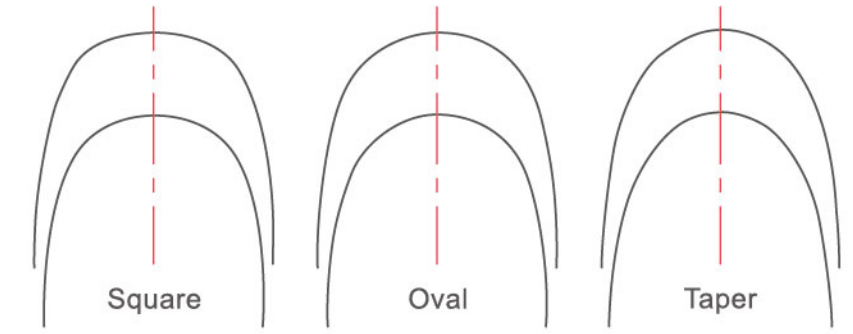
10 pcs/pk

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

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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

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

Same eyelets  
Inner Diameter:  $\phi$ 1.5mm



Different eyelets  
Inner Diameter: L=2mm,  
 $\phi$ a=3.3mm,  
 $\phi$ b=1.7mm

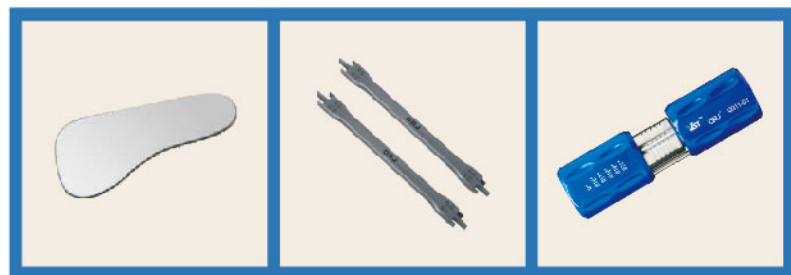


Description	Size	Diameter/REF		Packing
		0.010"/0.25mm	0.012"/0.31mm	
Same	6mm	W612-1006	W612-1206	10 pcs/pk
	9mm	W612-1009	W612-1209	
	12mm	W612-1012	W612-1212	
Different	6mm	W613-1006	W613-1206	10 pcs/pk
	9mm	W613-1009	W613-1209	
	12mm	W613-1012	W613-1212	





Instruments



**Professional INSTRUMENTS**

**Make your clinical operation more convenient and comfortable!**

[www.orjortho.com](http://www.orjortho.com)

**Arch Turrets**

Arch former with precision  
For round and rectangular wires



G211-01	Aluminum	Blue	1 pc/pk
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**Buccal Arch Turrets**

Torque 0° 5 slots

Slot size:  
0.016"; 0.017"; 0.018";  
0.019"; 0.021"

**Bracket Positioning gauge**



G110-01	1 pcs/pk
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**Crossed(boone)**

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



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

www.orjortho.com

Intra Oral Mirror

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

# Notes

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G301-11	1 pc/pk
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Lingual, Large



G301-12	1 pc/pk
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Lingual, Small



G301-13	1 pc/pk
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Buccal



G301-14	1 pc/pk
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Occlusion, Large



G301-15	1 pc/pk
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Occlusion, Small