



# PRODUCTS CATALOG

**HANGZHOU YAHONG MEDICAL APPARATUS CO.,LTD.**

Address: Gouzhuang Industrial Area  
Yuhang District, Hangzhou

Contact: Mr.zhang

Tel/Fax: +86-571-88756072

E-mail: [zwj588@yahong-ortho.com](mailto:zwj588@yahong-ortho.com)

[Http://www.yahongortho.com](http://www.yahongortho.com)



**HANGZHOU YAHONG MEDICAL APPARATUS CO.,LTD.**



## Company profile

Hangzhou Yahong Medical Apparatus Co., Ltd. was established in 2006. It is a manufacturer that specializes in the development, production and sales of orthodontic materials. The company has advanced business lines of MIM, R & D, production, quality control, security and human resources. The company has successfully used the advanced technology of MIM in the production of orthodontic materials and established its advanced and competitive position in terms of the advanced technology.

Our business philosophy is "Quality's First and Service's First!" Our products have been certified by the Chinese Food and Drug Administration. The products have also been certified with the U.S. FDA and German TUV CE and ISO-13485. The products have been exported to more than 70 countries in Europe, America, the Middle East and Southeast Asia.

We would like to invite you to visit us and look forward to our collaboration in near future!

**CE** 0197 **FDA** **ISO13485** **SGS**

# CATALOGUE



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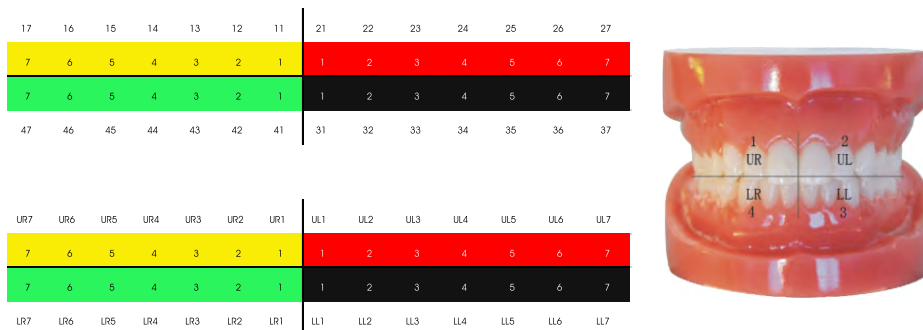
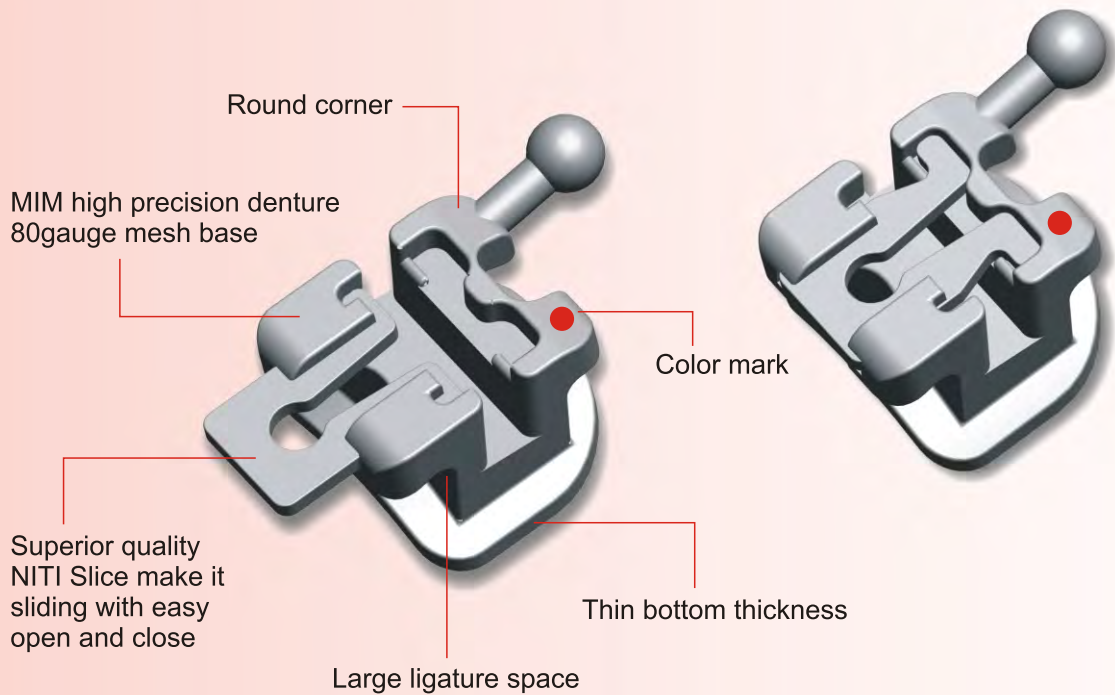
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# ORTHODONTIC Brackets



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# MIM Series

- Self-ligating roth brackets
- Self-ligating MBT brackets
- Mini edgewise brackets
- Mini roth brackets
- Mini roth brackets 2G
- Standard roth brackets
- Mini MBT brackets
- Standard MBT brackets
- Monoblock mini edgewise brackets
- Monoblock mini roth brackets
- Monoblock mini MBT brackets

# CNC Series

- Mini edgewise brackets
- Standard edgewise brackets
- Mini roth brackets
- Standard roth brackets
- Mini v-slot roth brackets
- Standard v-slot roth brackets
- Mini MBT brackets
- Standard MBT brackets
- Mini v-slot MBT brackets
- Mini ricketts brackets
- Standard ricketts brackets
- Standard gemini brackets
- Standard gemini MBT brackets

# Ceramic & Sapphire Series

- Ceramic Self-ligating roth brackets
- Ceramic Edgewise brackets
- Ceramic Roth brackets
- Ceramic MBT brackets
- Sapphire Roth brackets
- Sapphire MBT brackets

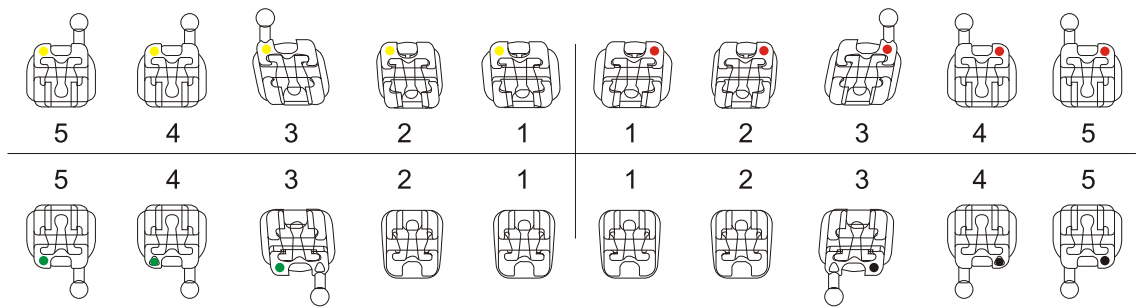
# Other

- Lingual brackets
- Alexander brackets
- Molar brackets
- Begg brackets
- Fashion brackets

# MIM Series Brackets

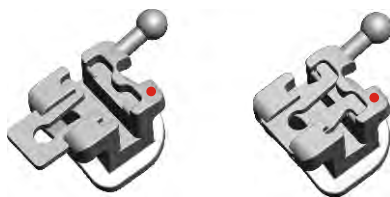
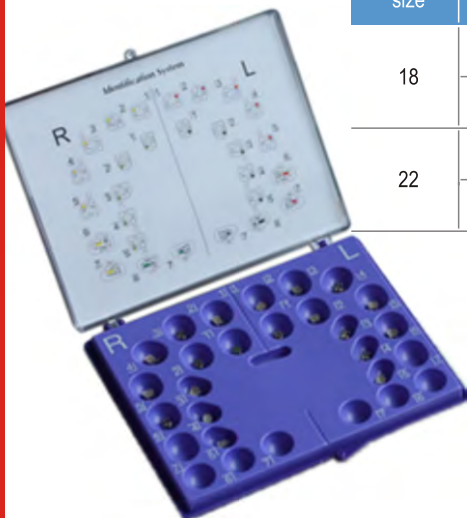
## ROTH Self-ligating Brackets

in/out	0.7	0.7	0.7	1.05	0.7	0.7	1.05	0.7	0.7	0.7		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	3	3	3.2	3	3.2	3.2	3	3.2	3	3		
Item/ No.	18	w/hook	SZ11-1114	SZ11-1114	SZ11-1113	SZ11-1012	SZ11-1011	SZ11-1021	SZ11-1022	SZ11-1123	SZ11-1124	SZ11-1124
		w/o hook	SZ11-1014	SZ11-1014	SZ11-1013					SZ11-1023	SZ11-1024	SZ11-1024
	22	w/hook	SZ12-1114	SZ12-1114	SZ12-1113	SZ12-1012	SZ12-1011	SZ12-1021	SZ12-1022	SZ12-1123	SZ12-1124	SZ12-1124
		w/o hook	SZ12-1014	SZ12-1014	SZ12-1013					SZ12-1023	SZ12-1024	SZ12-1024



in/out	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	3	3	3.2	2.8	2.8	2.8	2.8	3.2	3	3		
Item/ No.	18	w/hook	SZ11-1145	SZ11-1144	SZ11-1143	SZ11-1041	SZ11-1041	SZ11-1031	SZ11-1031	SZ11-1133	SZ11-1134	SZ11-1135
		w/o hook	SZ11-1045	SZ11-1044	SZ11-1043					SZ11-1033	SZ11-1034	SZ11-1035
	22	w/hook	SZ12-1145	SZ12-1144	SZ12-1143	SZ12-1041	SZ12-1041	SZ12-1031	SZ12-1031	SZ12-1133	SZ12-1134	SZ12-1135
		w/o hook	SZ12-1045	SZ12-1044	SZ12-1043					SZ12-1033	SZ12-1034	SZ12-1035

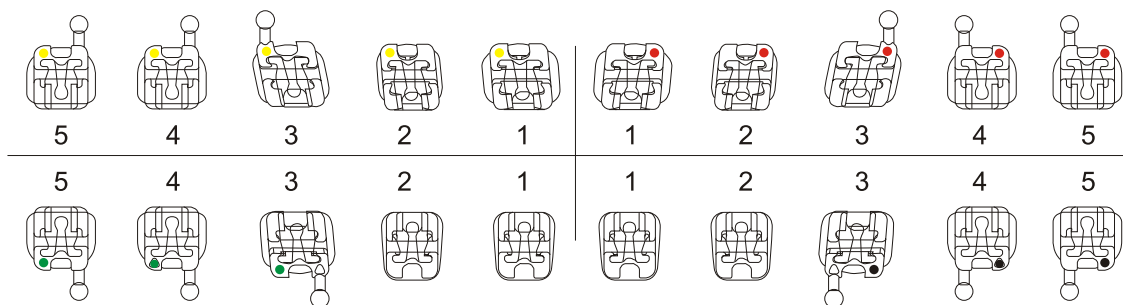
size	package	without hook	3with hook	345with hook
18	with laser mark set	ZS11-11	ZS11-12	ZS11-13
	w/o laser mark set	ZS11-01	ZS11-02	ZS11-03
22	with laser mark set	ZS12-11	ZS12-12	ZS12-13
	w/o laser mark set	ZS12-01	ZS12-02	ZS12-03



# MIM Series Brackets

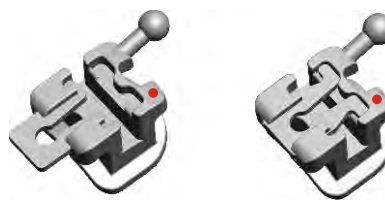
## MBT Self-ligating Brackets

in/out	0.7	0.7	0.7	1.05	0.7	0.7	1.05	0.7	0.7	0.7		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	3	3	3.2	3	3.2	3.2	3	3.2	3	3		
Item/ No.	18	w/hook	SM11-1114	SM11-1114	SM11-1113	SM11-1012	SM11-1011	SM11-1021	SM11-1022	SM11-1123	SM11-1124	SM11-1124
		w/o hook	SM11-1014	SM11-1014	SM11-1013					SM11-1023	SM11-1024	SM11-1024
	22	w/hook	SM12-1114	SM12-1114	SM12-1113	SM12-1012	SM12-1011	SM12-1021	SM12-1022	SM12-1123	SM12-1124	SM12-1124
		w/o hook	SM12-1014	SM12-1014	SM12-1013					SM12-1023	SM12-1024	SM12-1024



in/out	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	3	3	3.2	2.8	2.8	2.8	2.8	3.2	3	3		
Item/ No.	18	w/hook	SM11-1145	SM11-1144	SM11-1143	SM11-1041	SM11-1041	SM11-1031	SM11-1031	SM11-1133	SM11-1134	SM11-1135
		w/o hook	SM11-1045	SM11-1044	SM11-1043					SM11-1033	SM11-1034	SM11-1035
	22	w/hook	SM12-1145	SM12-1144	SM12-1143	SM12-1041	SM12-1041	SM12-1031	SM12-1031	SM12-1133	SM12-1134	SM12-1135
		w/o hook	SM12-1045	SM12-1044	SM12-1043					SM12-1033	SM12-1034	SM12-1035

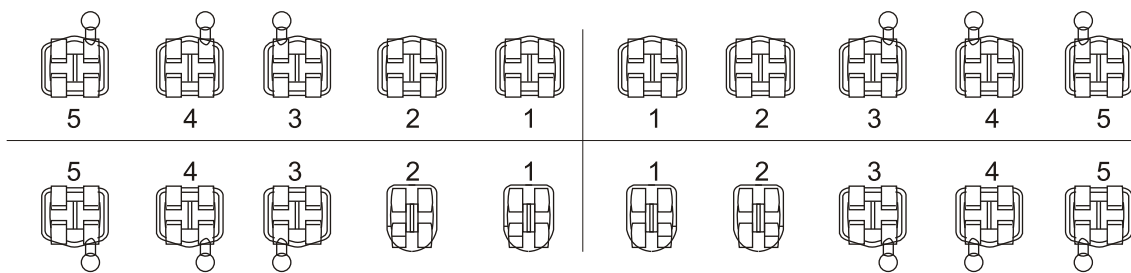
size	package	without hook	3with hook	345with hook
18	with laser mark set	SM11-11	SM11-12	SM11-13
	w/o laser mark set	SM11-01	SM11-02	SM11-03
22	with laser mark set	SM12-11	SM12-12	SM12-13
	w/o laser mark set	SM12-01	SM12-02	SM12-03



# MIM Series Brackets

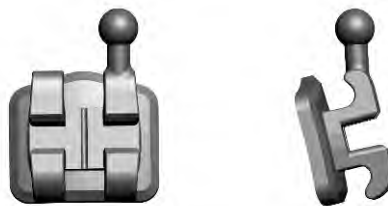
## MIM Mini Edgewise Brackets

in/out	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.7	2.7	2.7		
Item/ No.	18	w/hook	TF51-1114	TF51-1114	TF51-1113	TF51-1012	TF51-1011	TF51-1021	TF51-1022	TF51-1123	TF51-1124	TF51-1124
		w/o hook	TF51-1014	TF51-1014	TF51-1013					TF51-1023	TF51-1024	TF51-1024
	22	w/hook	TF52-1114	TF52-1114	TF52-1113	TF52-1012	TF52-1011	TF52-1021	TF52-1022	TF52-1123	TF52-1124	TF52-1124
		w/o hook	TF52-1014	TF52-1014	TF52-1013					TF52-1023	TF52-1024	TF52-1024



in/out	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	2.7	2.7	2.7	2.3	2.3	2.3	2.3	2.7	2.7	2.7		
Item/ No.	18	w/hook	TF51-1144	TF51-1144	TF51-1143	TF51-1041	TF51-1041	TF51-1031	TF51-1031	TF51-1133	TF51-1134	TF51-1134
		w/o hook	TF51-1044	TF51-1044	TF51-1043					TF51-1033	TF51-1034	TF51-1034
	22	w/hook	TF52-1144	TF52-1144	TF52-1143	TF52-1041	TF52-1041	TF52-1031	TF52-1031	TF52-1133	TF52-1134	TF52-1134
		w/o hook	TF52-1044	TF52-1044	TF52-1043					TF52-1033	TF52-1034	TF52-1034

size	package	without hook	3with hook	345with hook
18	with laser mark set	TF51-11	TF51-12	TF51-13
	w/o laser mark set	TF51-01	TF51-02	TF51-03
22	with laser mark set	TF52-11	TF52-12	TF52-13
	w/o laser mark set	TF52-01	TF52-02	TF52-03

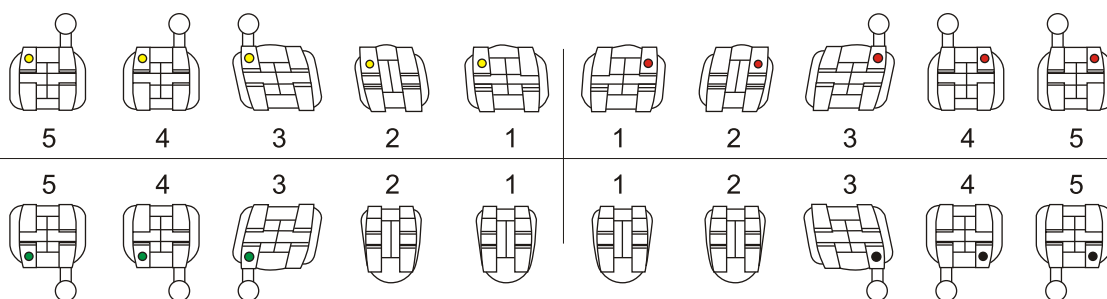




# MIM Series Brackets

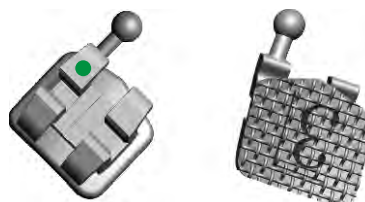
## MIM mini Roth Brackets

in/out	0.8	0.8	0.8	1.18	0.8	0.8	1.18	0.8	0.8	0.8		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	2.8	2.8	3	2.8	3	3	2.8	3	2.8	2.8		
Item/ No.	18	w/hook	TZ51-1114	TZ51-1114	TZ51-1113	TZ51-1012	TZ51-1011	TZ51-1021	TZ51-1022	TZ51-1123	TZ51-1124	TZ51-1124
		w/o hook	TZ51-1014	TZ51-1014	TZ51-1013					TZ51-1023	TZ51-1024	TZ51-1024
	22	w/hook	TZ52-1114	TZ52-1114	TZ52-1113	TZ52-1012	TZ52-1011	TZ52-1021	TZ52-1022	TZ52-1123	TZ52-1124	TZ52-1124
		w/o hook	TZ52-1014	TZ52-1014	TZ52-1013					TZ52-1023	TZ52-1024	TZ52-1024



in/out	0.8	0.8	0.8	1.18	1.18	1.18	1.18	0.8	0.8	0.8		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.4	2.4	2.4	2.4	2.8	2.8	2.8		
Item/ No.	18	w/hook	TZ51-1145	TZ51-1144	TZ51-1143	TZ51-1041	TZ51-1041	TZ51-1031	TZ51-1031	TZ51-1133	TZ51-1134	TZ51-1135
		w/o hook	TZ51-1045	TZ51-1044	TZ51-1043					TZ51-1033	TZ51-1034	TZ51-1035
	22	w/hook	TZ52-1145	TZ52-1144	TZ52-1143	TZ52-1041	TZ52-1041	TZ52-1031	TZ52-1031	TZ52-1133	TZ52-1134	TZ52-1135
		w/o hook	TZ52-1045	TZ52-1044	TZ52-1043					TZ52-1033	TZ52-1034	TZ52-1035

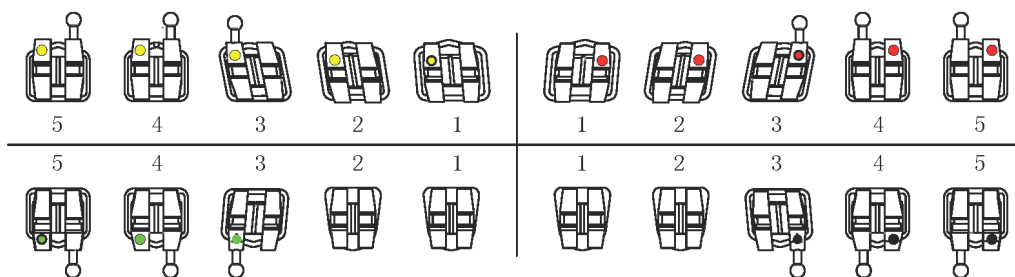
size	package	without hook	3with hook	345with hook
18	with laser mark set	TZ51-11	TZ51-12	TZ51-13
	w/o laser mark set	TZ51-01	TZ51-02	TZ51-03
22	with laser mark set	TZ52-11	TZ52-12	TZ52-13
	w/o laser mark set	TZ52-01	TZ52-02	TZ52-03



# MIM Series Brackets

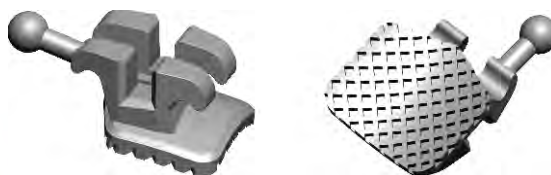
## MIM Mini Roth Brackets 2G

in/out	0.8	0.8	0.8	1.18	0.8	0.8	1.18	0.8	0.8	0.8		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	2.8	2.8	3	2.8	3	3	2.8	3	2.8	2.8		
Item/ No.	18	w/hook	TZ81-1114	TZ81-1114	TZ81-1113	TZ81-1012	TZ81-1011	TZ81-1021	TZ81-1022	TZ81-1123	TZ81-1124	TZ81-1124
		w/o hook	TZ81-1014	TZ81-1014	TZ81-1013					TZ81-1023	TZ81-1024	TZ81-1024
	22	w/hook	TZ82-1114	TZ82-1114	TZ82-1113	TZ82-1012	TZ82-1011	TZ82-1021	TZ82-1022	TZ82-1123	TZ82-1124	TZ82-1124
		w/o hook	TZ82-1014	TZ82-1014	TZ82-1013					TZ82-1023	TZ82-1024	TZ82-1024



in/out	0.8	0.8	0.8	1.18	1.18	1.18	1.18	0.8	0.8	0.8		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.5	2.5	2.5	2.5	2.8	2.8	2.8		
Item/ No.	18	w/hook	TZ81-1145	TZ81-1144	TZ81-1143	TZ81-1041	TZ81-1041	TZ81-1031	TZ81-1031	TZ81-1133	TZ81-1134	TZ81-1135
		w/o hook	TZ81-1045	TZ81-1044	TZ81-1043					TZ81-1033	TZ81-1034	TZ81-1035
	22	w/hook	TZ82-1145	TZ82-1144	TZ82-1143	TZ82-1041	TZ82-1041	TZ82-1031	TZ82-1031	TZ82-1133	TZ82-1134	TZ82-1135
		w/o hook	TZ82-1045	TZ82-1044	TZ82-1043					TZ82-1033	TZ82-1034	TZ82-1035

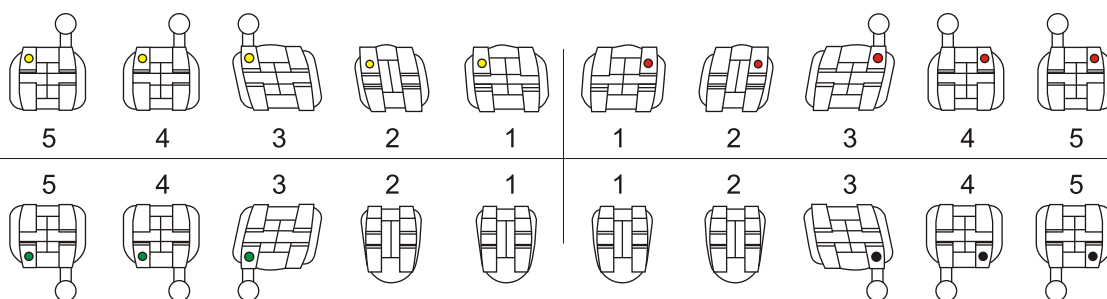
size	package	without hook	3with hook	345with hook
18	set	TZ81-11	TZ81-12	TZ81-13
22	set	TZ82-11	TZ82-12	TZ82-13



# MIM Series Brackets

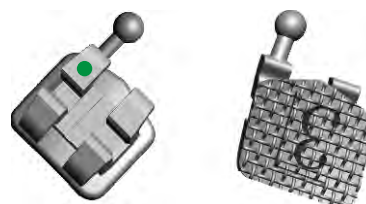
## MIM Standard Roth Brackets

in/out	0.8	0.8	0.8	1.18	0.8	0.8	1.18	0.8	0.8	0.8		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	3.1	3.1	3.6	3.1	3.6	3.6	3.1	3.6	3.1	3.1		
Item/ No.	18	w/hook	TZ41-1114	TZ41-1114	TZ41-1113	TZ41-1012	TZ41-1011	TZ41-1021	TZ41-1022	TZ41-1123	TZ41-1124	TZ41-1124
		w/o hook	TZ41-1014	TZ41-1014	TZ41-1013					TZ41-1023	TZ41-1024	TZ41-1024
	22	w/hook	TZ42-1114	TZ42-1114	TZ42-1113	TZ42-1012	TZ42-1011	TZ42-1021	TZ42-1022	TZ42-1123	TZ42-1124	TZ42-1124
		w/o hook	TZ42-1014	TZ42-1014	TZ42-1013					TZ42-1023	TZ42-1024	TZ42-1024



in/out	0.8	0.8	0.8	1.18	1.18	1.18	1.18	0.8	0.8	0.8		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	3.1	3.1	3.1	2.4	2.4	2.4	2.4	3.1	3.1	3.1		
Item/ No.	18	w/hook	TZ41-1145	TZ41-1144	TZ41-1143	TZ41-1041	TZ41-1041	TZ41-1031	TZ41-1031	TZ41-1133	TZ41-1134	TZ41-1135
		w/o hook	TZ41-1045	TZ41-1044	TZ41-1043					TZ41-1033	TZ41-1034	TZ41-1035
	22	w/hook	TZ42-1145	TZ42-1144	TZ42-1143	TZ42-1041	TZ42-1041	TZ42-1031	TZ42-1031	TZ42-1133	TZ42-1134	TZ42-1135
		w/o hook	TZ42-1045	TZ42-1044	TZ42-1043					TZ42-1033	TZ42-1034	TZ42-1035

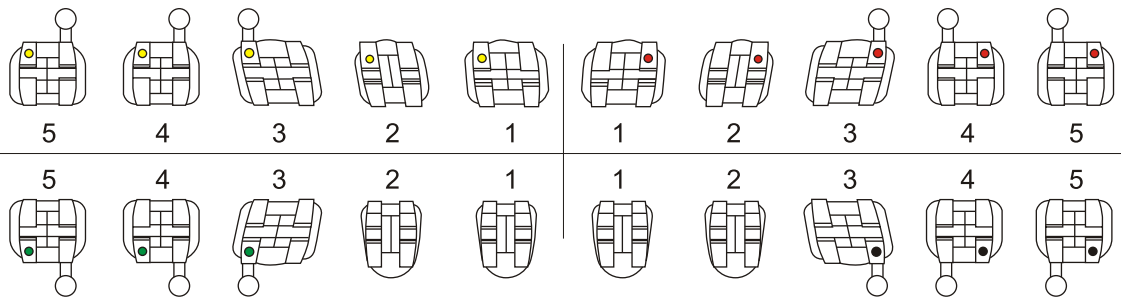
size	package	without hook	3with hook	345with hook
18	with laser mark set	TZ41-11	TZ41-12	TZ41-13
	w/o laser mark set	TZ41-01	TZ41-02	TZ41-03
22	with laser mark set	TZ42-11	TZ42-12	TZ42-13
	w/o laser mark set	TZ42-01	TZ42-02	TZ42-03



# MIM Series Brackets

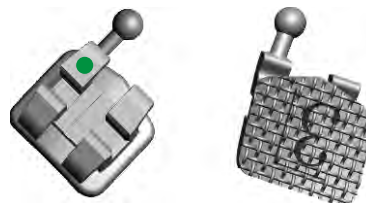
## MIM Mini MBT Brackets

in/out	0.7	0.7	0.7	1.08	0.7	0.7	1.08	0.7	0.7	0.7		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	2.8	2.8	2.8	2.8	3.1	3.1	2.8	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM51-1114	TM51-1114	TM51-1113	TM51-1012	TM51-1011	TM51-1021	TM51-1022	TM51-1123	TM51-1124	TM51-1124
		w/o hook	TM51-1014	TM51-1014	TM51-1013					TM51-1023	TM51-1024	TM51-1024
	22	w/hook	TM52-1114	TM52-1114	TM52-1113	TM52-1012	TM52-1011	TM52-1021	TM52-1022	TM52-1123	TM52-1124	TM52-1124
		w/o hook	TM52-1014	TM52-1014	TM52-1013					TM52-1023	TM52-1024	TM52-1024



in/out	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM51-1145	TM51-1144	TM51-1143	TM51-1041	TM51-1041	TM51-1031	TM51-1031	TM51-1133	TM51-1134	TM51-1135
		w/o hook	TM51-1045	TM51-1044	TM51-1043					TM51-1033	TM51-1034	TM51-1035
	22	w/hook	TM52-1145	TM52-1144	TM52-1143	TM52-1041	TM52-1041	TM52-1031	TM52-1031	TM52-1133	TM52-1134	TM52-1135
		w/o hook	TM52-1045	TM52-1044	TM52-1043					TM52-1033	TM52-1034	TM52-1035

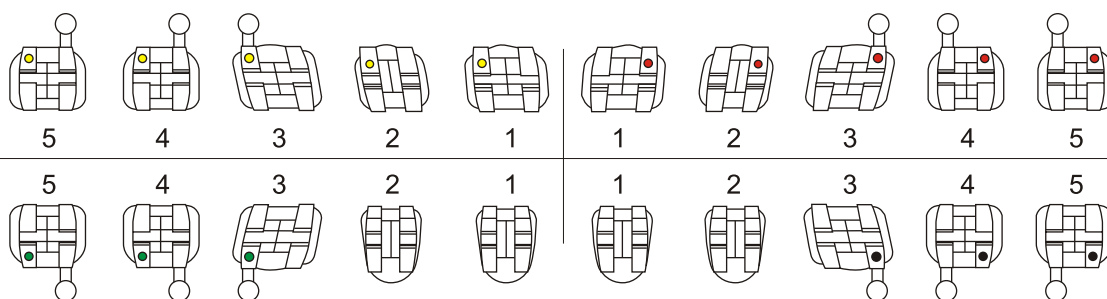
size	package	without hook	3with hook	345with hook
18	with laser mark set	TM51-11	TM51-12	TM51-13
	w/o laser mark set	TM51-01	TM51-02	TM51-03
22	with laser mark set	TM52-11	TM52-12	TM52-13
	w/o laser mark set	TM52-01	TM52-02	TM52-03



# MIM Series Brackets

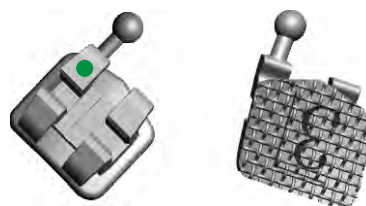
## MIM Standard MBT Brackets

in/out	0.7	0.7	0.7	1.08	0.7	0.7	1.08	0.7	0.7	0.7		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	3.1	3.1	3.3	3	3.4	3.4	3	3.3	3.1	3.1		
Item/ No.	18	w/hook	TM41-1114	TM41-1114	TM41-1113	TM41-1012	TM41-1011	TM41-1021	TM41-1022	TM41-1123	TM41-1124	TM41-1124
		w/o hook	TM41-1014	TM41-1014	TM41-1013					TM41-1023	TM41-1024	TM41-1024
	22	w/hook	TM42-1114	TM42-1114	TM42-1113	TM42-1012	TM42-1011	TM42-1021	TM42-1022	TM42-1123	TM42-1124	TM42-1124
		w/o hook	TM42-1014	TM42-1014	TM42-1013					TM42-1023	TM42-1024	TM42-1024



in/out	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	3.1	3.1	3.2	2.5	2.5	2.5	2.5	3.2	3.1	3.1		
Item/ No.	18	w/hook	TM41-1145	TM41-1144	TM41-1143	TM41-1041	TM41-1041	TM41-1031	TM41-1031	TM41-1133	TM41-1134	TM41-1135
		w/o hook	TM41-1045	TM41-1044	TM41-1043					TM41-1033	TM41-1034	TM41-1035
	22	w/hook	TM42-1145	TM42-1144	TM42-1143	TM42-1041	TM42-1041	TM42-1031	TM42-1031	TM42-1133	TM42-1134	TM42-1135
		w/o hook	TM42-1045	TM42-1044	TM42-1043					TM42-1033	TM42-1034	TM42-1035

size	package	without hook	3with hook	345with hook
18	with laser mark set	TM41-11	TM41-12	TM41-13
	w/o laser mark set	TM41-01	TM41-02	TM41-03
22	with laser mark set	TM42-11	TM42-12	TM42-13
	w/o laser mark set	TM42-01	TM42-02	TM42-03

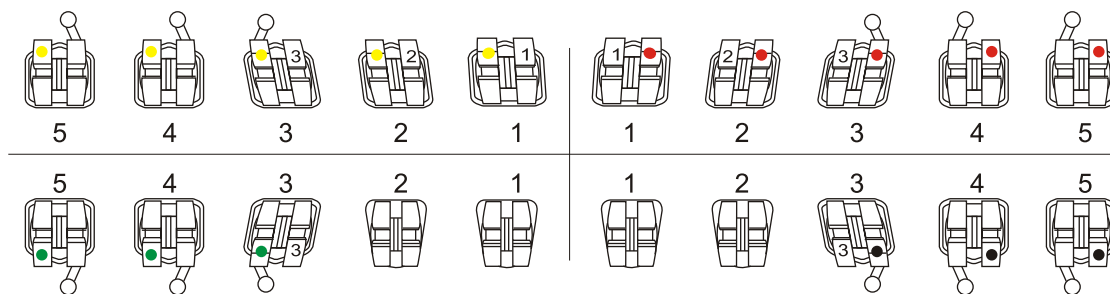




# MIM Series Brackets

## Monoblock Mini Roth Brackets

in/out	0.8	0.8	0.8	1.18	0.8	0.8	1.18	0.8	0.8	0.8		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	2.8	2.8	3	2.8	3	3	2.8	3	2.8	2.8		
Item/ No.	18	w/hook	TZ91-1114	TZ91-1114	TZ91-1113	TZ91-1012	TZ91-1011	TZ91-1021	TZ91-1022	TZ91-1123	TZ91-1124	TZ91-1124
		w/o hook	TZ91-1014	TZ91-1014	TZ91-1013					TZ91-1023	TZ91-1024	TZ91-1024
	22	w/hook	TZ92-1114	TZ92-1114	TZ92-1113	TZ92-1012	TZ92-1011	TZ92-1021	TZ92-1022	TZ92-1123	TZ92-1124	TZ92-1124
		w/o hook	TZ92-1014	TZ92-1014	TZ92-1013					TZ92-1023	TZ92-1024	TZ92-1024



in/out	0.8	0.8	0.8	1.18	1.18	1.18	1.18	0.8	0.8	0.8		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.5	2.5	2.5	2.5	2.8	2.8	2.8		
Item/ No.	18	w/hook	TZ91-1145	TZ91-1144	TZ91-1143	TZ91-1041	TZ91-1041	TZ91-1031	TZ91-1031	TZ91-1133	TZ91-1134	TZ91-1135
		w/o hook	TZ91-1045	TZ91-1044	TZ91-1043					TZ91-1033	TZ91-1034	TZ91-1035
	22	w/hook	TZ92-1145	TZ92-1144	TZ92-1143	TZ92-1041	TZ92-1041	TZ92-1031	TZ92-1031	TZ92-1133	TZ92-1134	TZ92-1135
		w/o hook	TZ92-1045	TZ92-1044	TZ92-1043					TZ92-1033	TZ92-1034	TZ92-1035

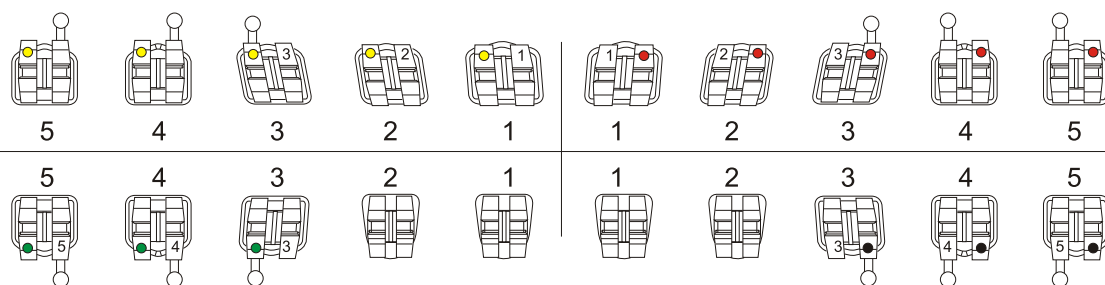
size	package	without hook	3with hook	345with hook
18	set	TZ91-11	TZ91-12	TZ91-13
22	set	TZ92-11	TZ92-12	TZ92-13



# MIM Series Brackets

## Monoblock Mini MBT Brackets

in/out	0.7	0.7	0.7	1.08	0.7	0.7	1.08	0.7	0.7	0.7		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	2.8	2.8	2.8	2.8	3.1	3.1	2.8	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM91-1114	TM91-1114	TM91-1113	TM91-1012	TM91-1011	TM91-1021	TM91-1022	TM91-1123	TM91-1124	TM91-1124
		w/o hook	TM91-1014	TM91-1014	TM91-1013					TM91-1023	TM91-1024	TM91-1024
	22	w/hook	TM92-1114	TM92-1114	TM92-1113	TM92-1012	TM92-1011	TM92-1021	TM92-1022	TM92-1123	TM92-1124	TM92-1124
		w/o hook	TM92-1014	TM92-1014	TM92-1013					TM92-1023	TM92-1024	TM92-1024



in/out	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM91-1145	TM91-1144	TM91-1143	TM91-1041	TM91-1041	TM91-1031	TM91-1031	TM91-1133	TM91-1134	TM91-1135
		w/o hook	TM91-1045	TM91-1044	TM91-1043					TM91-1033	TM91-1034	TM91-1035
	22	w/hook	TM92-1145	TM92-1144	TM92-1143	TM92-1041	TM92-1041	TM92-1031	TM92-1031	TM92-1133	TM92-1134	TM92-1135
		w/o hook	TM92-1045	TM92-1044	TM92-1043					TM92-1033	TM92-1034	TM92-1035

size	package	without hook	3with hook	345with hook
18	set	TM91-11	TM91-12	TM91-13
22	set	TM92-11	TM92-12	TM92-13

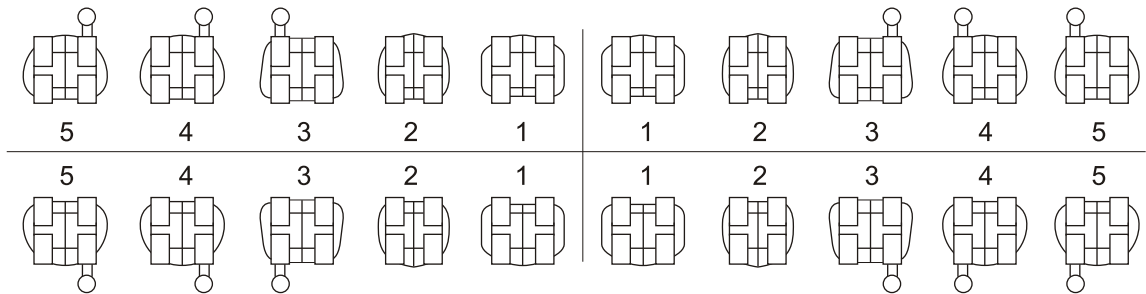




# CNC Series Brackets

## Mini Edgewise Brackets

in/out	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	3.2	3.2	3.3	2.7	3	3	2.7	3.3	3.2	3.2		
Item/ No.	18	w/hook	TF21-1114	TF21-1114	TF21-1113	TF21-1012	TF21-1011	TF21-1021	TF21-1022	TF21-1123	TF21-1124	TF21-1124
		w/o hook	TF21-1014	TF21-1014	TF21-1013					TF21-1023	TF21-1024	TF21-1024
	22	w/hook	TF22-1114	TF22-1114	TF22-1113	TF22-1012	TF22-1011	TF22-1021	TF22-1022	TF22-1123	TF22-1124	TF22-1124
		w/o hook	TF22-1014	TF22-1014	TF22-1013					TF22-1023	TF22-1024	TF22-1024



in/out	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	3.2	3.2	3.3	2.3	2.3	2.3	2.3	3.3	3.2	3.2		
Item/ No.	18	w/hook	TF21-1144	TF21-1144	TF21-1143	TF21-1041	TF21-1041	TF21-1031	TF21-1032	TF21-1133	TF21-1134	TF21-1134
		w/o hook	TF21-1044	TF21-1044	TF21-1043					TF21-1033	TF21-1034	TF21-1034
	22	w/hook	TF22-1144	TF22-1144	TF22-1143	TF22-1041	TF22-1041	TF22-1031	TF22-1032	TF22-1133	TF22-1134	TF22-1134
		w/o hook	TF22-1044	TF22-1044	TF22-1043					TF22-1033	TF22-1034	TF22-1034

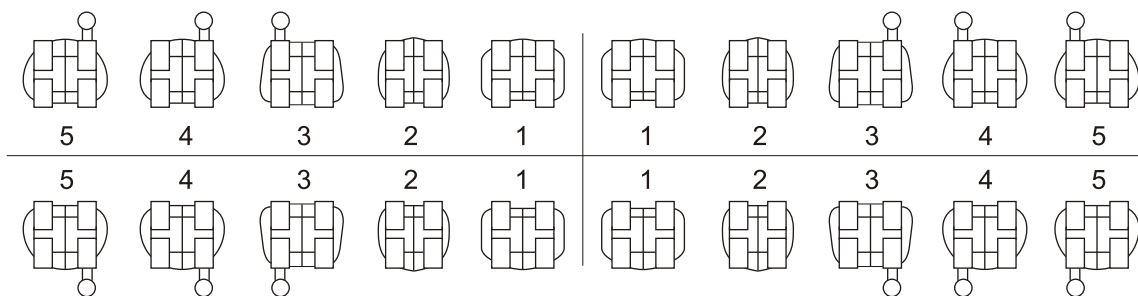
size	package	without hook	3with hook	345with hook
18	with laser mark set	TF21-11	TF21-12	TF21-13
	w/o laser mark set	TF21-01	TF21-02	TF21-03
22	with laser mark set	TF22-11	TF22-12	TF22-13
	w/o laser mark set	TF22-01	TF22-02	TF22-03



# CNC Series Brackets

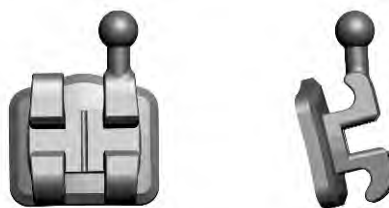
## Standard Edgewise Brackets

in/out	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	3.3	3.3	3.6	3	3.3	3.3	3	3.6	3.3	3.3		
Item/ No.	18	w/hook	TF11-1114	TF11-1114	TF11-1113	TF11-1012	TF11-1011	TF11-1021	TF11-1022	TF11-1123	TF11-1124	TF11-1124
		w/o hook	TF11-1014	TF11-1014	TF11-1013					TF11-1023	TF11-1024	TF11-1024
	22	w/hook	TF12-1114	TF12-1114	TF12-1113	TF12-1012	TF12-1011	TF12-1021	TF12-1022	TF12-1123	TF12-1124	TF12-1124
		w/o hook	TF12-1014	TF12-1014	TF12-1013					TF12-1023	TF12-1024	TF12-1024



in/out	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	3.3	3.3	3.6	2.5	2.5	2.5	2.5	3.6	3.3	3.3		
Item/ No.	18	w/hook	TF11-1144	TF11-1144	TF11-1143	TF11-1041	TF11-1041	TF11-1031	TF11-1031	TF11-1133	TF11-1134	TF11-1134
		w/o hook	TF11-1044	TF11-1044	TF11-1043					TF11-1033	TF11-1034	TF11-1034
	22	w/hook	TF12-1144	TF12-1144	TF12-1143	TF12-1041	TF12-1041	TF12-1031	TF12-1031	TF12-1133	TF12-1134	TF12-1134
		w/o hook	TF12-1044	TF12-1044	TF12-1043					TF12-1033	TF12-1034	TF12-1034

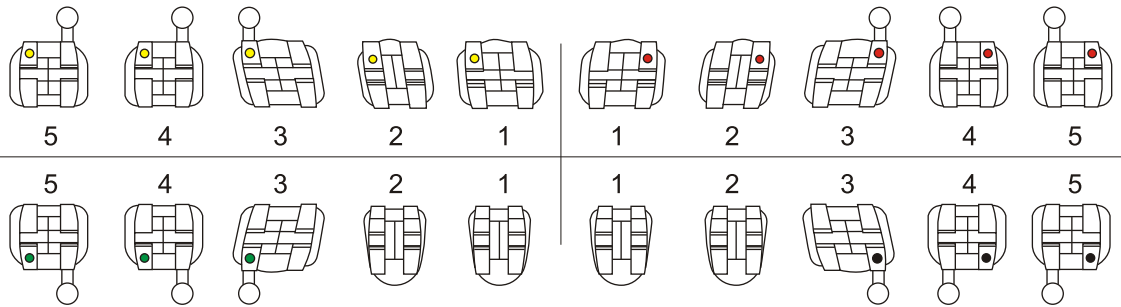
size	package	without hook	3with hook	345with hook
18	with laser mark set	TF11-11	TF11-12	TF11-13
	w/o laser mark set	TF11-01	TF11-02	TF11-03
22	with laser mark set	TF12-11	TF12-12	TF12-13
	w/o laser mark set	TF12-01	TF12-02	TF12-03



# CNC Series Brackets

## Mini Roth Brackets

in/out	0.68	0.68	0.66	1.06	0.68	0.68	1.06	0.66	0.68	0.68		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	2.8	2.8	3.2	2.8	3.2	3.2	2.8	3.2	2.8	2.8		
Item/ No.	18	w/hook	TZ21-1114	TZ21-1114	TZ21-1113	TZ21-1012	TZ21-1011	TZ21-1021	TZ21-1022	TZ21-1123	TZ21-1124	TZ21-1124
		w/o hook	TZ21-1014	TZ21-1014	TZ21-1013					TZ21-1023	TZ21-1024	TZ21-1024
	22	w/hook	TZ22-1114	TZ22-1114	TZ22-1113	TZ22-1012	TZ22-1011	TZ22-1021	TZ22-1022	TZ22-1123	TZ22-1124	TZ22-1124
		w/o hook	TZ22-1014	TZ22-1014	TZ22-1013					TZ22-1023	TZ22-1024	TZ22-1024



in/out	0.68	0.72	0.68	1.06	1.06	1.06	1.06	0.68	0.72	0.68		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.5	2.5	2.5	2.5	2.8	2.8	2.8		
Item/ No.	18	w/hook	TZ21-1145	TZ21-1144	TZ21-1143	TZ21-1041	TZ21-1041	TZ21-1031	TZ21-1031	TZ21-1133	TZ21-1134	TZ21-1135
		w/o hook	TZ21-1045	TZ21-1044	TZ21-1043					TZ21-1033	TZ21-1034	TZ21-1035
	22	w/hook	TZ22-1145	TZ22-1144	TZ22-1143	TZ22-1041	TZ22-1041	TZ22-1031	TZ22-1031	TZ22-1133	TZ22-1134	TZ22-1135
		w/o hook	TZ22-1045	TZ22-1044	TZ22-1043					TZ22-1033	TZ22-1034	TZ22-1035

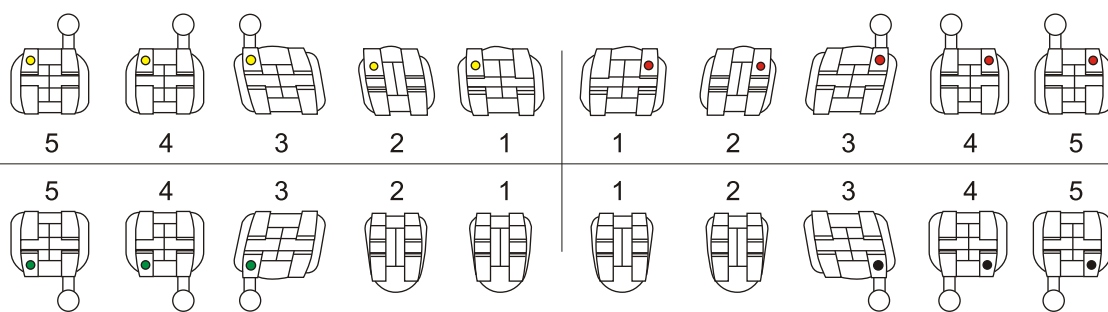
size	package	without hook	3with hook	345with hook
18	with laser mark set	TZ21-11	TZ21-12	TZ21-13
	w/o laser mark set	TZ21-01	TZ21-02	TZ21-03
22	with laser mark set	TZ22-11	TZ22-12	TZ22-13
	w/o laser mark set	TZ22-01	TZ22-02	TZ22-03



# CNC Series Brackets

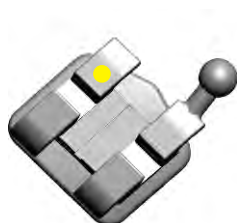
## Standard Roth Brackets

in/out	0.8	0.8	0.8	1.18	0.8	0.8	1.18	0.8	0.8	0.8		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	3.2	3.2	3.3	2.9	3.6	3.6	2.9	3.3	3.2	3.2		
Item/ No.	18	w/hook	TZ11-1114	TZ11-1114	TZ11-1113	TZ11-1012	TZ11-1011	TZ11-1021	TZ11-1022	TZ11-1123	TZ11-1124	TZ11-1124
		w/o hook	TZ11-1014	TZ11-1014	TZ11-1013					TZ11-1023	TZ11-1024	TZ11-1024
	22	w/hook	TZ12-1114	TZ12-1114	TZ12-1113	TZ12-1012	TZ12-1011	TZ12-1021	TZ12-1022	TZ12-1123	TZ12-1124	TZ12-1124
		w/o hook	TZ12-1014	TZ12-1014	TZ12-1013					TZ12-1023	TZ12-1024	TZ12-1024



in/out	0.8	0.8	0.8	1.18	1.18	1.18	1.18	0.8	0.8	0.8		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	3.2	3.2	3.2	2.5	2.5	2.5	2.5	3.2	3.2	3.2		
Item/ No.	18	w/hook	TZ11-1145	TZ11-1144	TZ11-1143	TZ11-1041	TZ11-1041	TZ11-1031	TZ11-1031	TZ11-1133	TZ11-1134	TZ11-1135
		w/o hook	TZ11-1045	TZ11-1044	TZ11-1043					TZ11-1033	TZ11-1034	TZ11-1035
	22	w/hook	TZ12-1145	TZ12-1144	TZ12-1143	TZ12-1041	TZ12-1041	TZ12-1031	TZ12-1031	TZ12-1133	TZ12-1134	TZ12-1135
		w/o hook	TZ12-1045	TZ12-1044	TZ12-1043					TZ12-1033	TZ12-1034	TZ12-1035

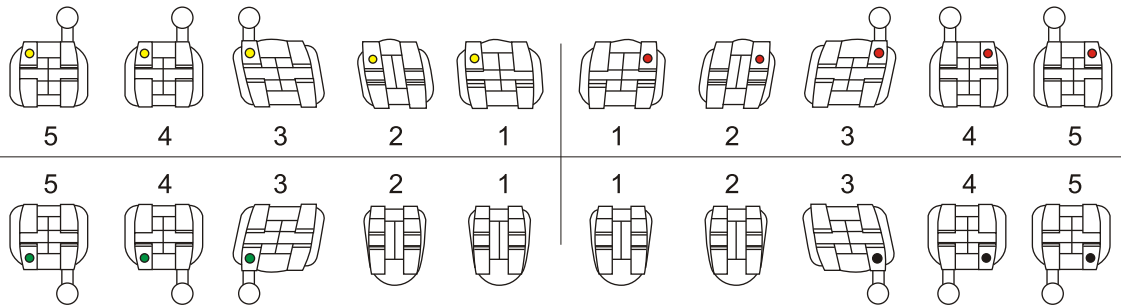
size	package	without hook	3with hook	345with hook
18	with laser mark set	TZ11-11	TZ11-12	TZ11-13
	w/o laser mark set	TZ11-01	TZ11-02	TZ11-03
22	with laser mark set	TZ12-11	TZ12-12	TZ12-13
	w/o laser mark set	TZ12-01	TZ12-02	TZ12-03



# CNC Series Brackets

## Mini Roth V-slot Brackets

in/out	1.03	1.03	1	1.1	1.03	1.03	1.1	1	1.03	1.03		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	2.8	2.8	3.2	2.8	3.2	3.2	2.8	3.2	2.8	2.8		
Item/ No.	18	w/hook	TZ61-1114	TZ61-1114	TZ61-1113	TZ61-1012	TZ61-1011	TZ61-1021	TZ61-1022	TZ61-1123	TZ61-1124	TZ61-1124
		w/o hook	TZ61-1014	TZ61-1014	TZ61-1013					TZ61-1023	TZ61-1024	TZ61-1024
	22	w/hook	TZ62-1114	TZ62-1114	TZ62-1113	TZ62-1012	TZ62-1011	TZ62-1021	TZ62-1022	TZ62-1123	TZ62-1124	TZ62-1124
		w/o hook	TZ62-1014	TZ62-1014	TZ62-1013					TZ62-1023	TZ62-1024	TZ62-1024



in/out	1.03	1.03	1.1	1.25	1.25	1.25	1.25	1.1	1.03	1.03		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.5	2.5	2.5	2.5	2.8	2.8	2.8		
Item/ No.	18	w/hook	TZ61-1145	TZ61-1144	TZ61-1143	TZ61-1041	TZ61-1041	TZ61-1031	TZ61-1031	TZ61-1133	TZ61-1134	TZ61-1135
		w/o hook	TZ61-1045	TZ61-1044	TZ61-1043					TZ61-1033	TZ61-1034	TZ61-1035
	22	w/hook	TZ62-1145	TZ62-1144	TZ62-1143	TZ62-1041	TZ62-1041	TZ62-1031	TZ62-1031	TZ62-1133	TZ62-1134	TZ62-1135
		w/o hook	TZ62-1045	TZ62-1044	TZ62-1043					TZ62-1033	TZ62-1034	TZ62-1035

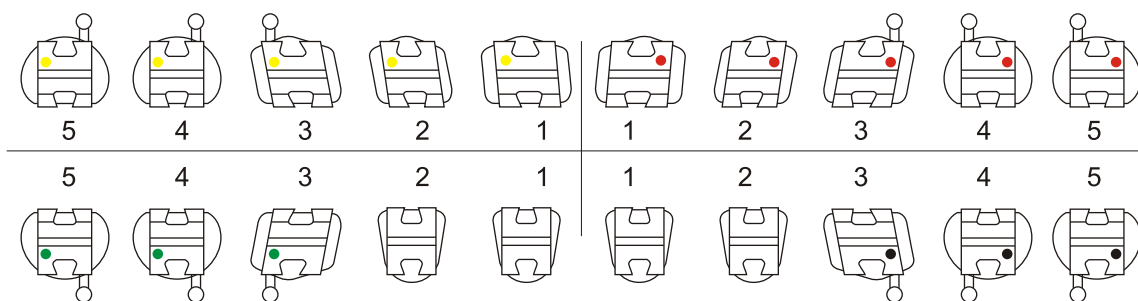
size	package	without hook	3with hook	345with hook
18	with laser mark set	TZ61-11	TZ61-12	TZ61-13
	w/o laser mark set	TZ61-01	TZ61-02	TZ61-03
22	with laser mark set	TZ62-11	TZ62-12	TZ62-13
	w/o laser mark set	TZ62-01	TZ62-02	TZ62-03



# CNC Series Brackets

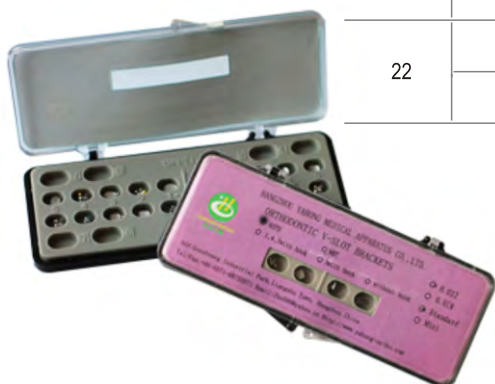
## Standard V-Slot Brackets

in/out	1.05	1.05	1.05	1.43	0.95	0.95	1.43	1.05	1.05	1.05		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	2.8	2.8	3	2.8	3.4	3.4	2.8	3	2.8	2.8		
Item/ No.	18	w/hook	TZ31-1114	TZ31-1114	TZ31-1113	TZ31-1012	TZ31-1011	TZ31-1021	TZ31-1022	TZ31-1123	TZ31-1124	TZ31-1124
		w/o hook	TZ31-1014	TZ31-1014	TZ31-1013					TZ31-1023	TZ31-1024	TZ31-1024
	22	w/hook	TZ32-1114	TZ32-1114	TZ32-1113	TZ32-1012	TZ32-1011	TZ32-1021	TZ32-1022	TZ32-1123	TZ32-1124	TZ32-1124
		w/o hook	TZ32-1014	TZ32-1014	TZ32-1013					TZ32-1023	TZ32-1024	TZ32-1024



in/out	1.11	1.08	1.05	1.43	1.43	1.43	1.43	1.05	1.08	1.11		
torgue	-22°	-17°	-7°	-1°	-1°	-1°	-1°	-7°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.5	2.5	2.5	2.5	2.8	2.8	2.8		
Item/ No.	18	w/hook	TZ31-1145	TZ31-1144	TZ31-1143	TZ31-1041	TZ31-1041	TZ31-1031	TZ31-1031	TZ31-1133	TZ31-1134	TZ31-1135
		w/o hook	TZ31-1045	TZ31-1044	TZ31-1043					TZ31-1033	TZ31-1034	TZ31-1035
	22	w/hook	TZ32-1145	TZ32-1144	TZ32-1143	TZ32-1041	TZ32-1041	TZ32-1031	TZ32-1031	TZ32-1133	TZ32-1134	TZ32-1135
		w/o hook	TZ32-1045	TZ32-1044	TZ32-1043					TZ32-1033	TZ32-1034	TZ32-1035

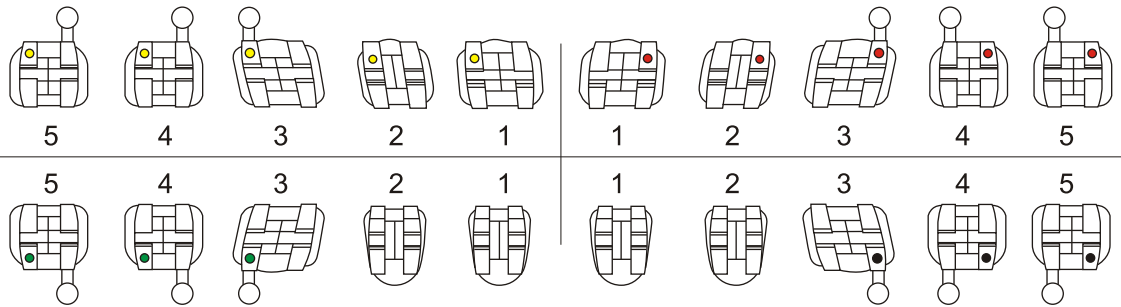
size	package	without hook	3with hook	345with hook
18	with laser mark set	TZ31-11	TZ31-12	TZ31-13
	w/o laser mark set	TZ31-01	TZ31-02	TZ31-03
22	with laser mark set	TZ32-11	TZ32-12	TZ32-13
	w/o laser mark set	TZ32-01	TZ32-02	TZ32-03



# CNC Series Brackets

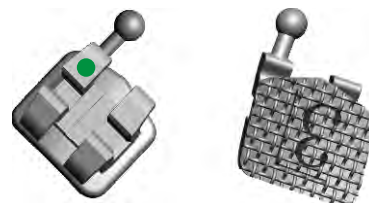
## Mini MBT Brackets

in/out	0.7	0.7	0.7	1.08	0.7	0.7	1.08	0.7	0.7	0.7		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	2.8	2.8	2.8	2.8	3.1	3.1	2.8	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM21-1114	TM21-1114	TM21-1113	TM21-1012	TM21-1011	TM21-1021	TM21-1022	TM21-1123	TM21-1124	TM21-1124
		w/o hook	TM21-1014	TM21-1014	TM21-1013					TM21-1023	TM21-1024	TM21-1024
	22	w/hook	TM22-1114	TM22-1114	TM22-1113	TM22-1012	TM22-1011	TM22-1021	TM22-1022	TM22-1123	TM22-1124	TM22-1124
		w/o hook	TM22-1014	TM22-1014	TM22-1013					TM22-1023	TM22-1024	TM22-1024



in/out	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM21-1145	TM21-1144	TM21-1143	TM21-1041	TM21-1041	TM21-1031	TM21-1031	TM21-1133	TM21-1134	TM21-1135
		w/o hook	TM21-1045	TM21-1044	TM21-1043					TM21-1033	TM21-1034	TM21-1035
	22	w/hook	TM22-1145	TM22-1144	TM22-1143	TM22-1041	TM22-1041	TM22-1031	TM22-1031	TM22-1133	TM22-1134	TM22-1135
		w/o hook	TM22-1045	TM22-1044	TM22-1043					TM22-1033	TM22-1034	TM22-1035

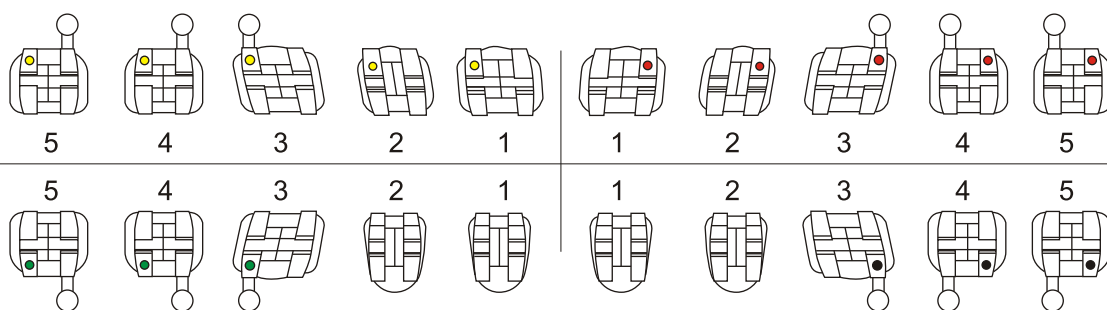
size	package	without hook	3with hook	345with hook
18	with laser mark set	TM21-11	TM21-12	TM21-13
	w/o laser mark set	TM21-01	TM21-02	TM21-03
22	with laser mark set	TM22-11	TM22-12	TM22-13
	w/o laser mark set	TM22-01	TM22-02	TM22-03



# CNC Series Brackets

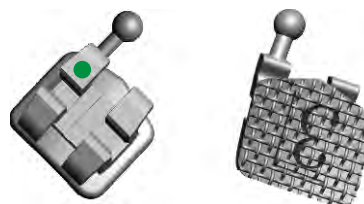
## Standard MBT Brackets

in/out	0.9	0.7	0.7	1.1	0.7	0.7	1.1	0.7	0.7	0.9		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	3.2	3.2	3.3	2.9	3.6	3.6	2.9	3.3	3.2	3.2		
Item/ No.	18	w/hook	TM11-1115	TM11-1114	TM11-1113	TM11-1012	TM11-1011	TM11-1021	TM11-1022	TM11-1123	TM11-1124	TM11-1125
		w/o hook	TM11-1015	TM11-1014	TM11-1013					TM11-1023	TM11-1024	TM11-1025
	22	w/hook	TM12-1115	TM12-1114	TM12-1113	TM12-1012	TM12-1011	TM12-1021	TM12-1022	TM12-1123	TM12-1124	TM12-1125
		w/o hook	TM12-1015	TM12-1014	TM12-1013					TM12-1023	TM12-1024	TM12-1025



in/out	0.7	0.7	0.7	1.1	1.1	1.1	1.1	0.7	0.7	0.7		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	3.2	3.2	3.2	2.7	2.7	2.7	2.7	3.2	3.2	3.2		
Item/ No.	18	w/hook	TM11-1145	TM11-1144	TM11-1143	TM11-1041	TM11-1041	TM11-1031	TM11-1031	TM11-1133	TM11-1134	TM11-1135
		w/o hook	TM11-1045	TM11-1044	TM11-1043					TM11-1033	TM11-1034	TM11-1035
	22	w/hook	TM12-1145	TM12-1144	TM12-1143	TM12-1041	TM12-1041	TM12-1031	TM12-1031	TM12-1133	TM12-1134	TM12-1135
		w/o hook	TM12-1045	TM12-1044	TM12-1043					TM12-1033	TM12-1034	TM12-1035

size	package	without hook	3with hook	345with hook
18	with laser mark set	TM11-11	TM11-12	TM11-13
	w/o laser mark set	TM11-01	TM11-02	TM11-03
22	with laser mark set	TM12-11	TM12-12	TM12-13
	w/o laser mark set	TM12-01	TM12-02	TM12-03

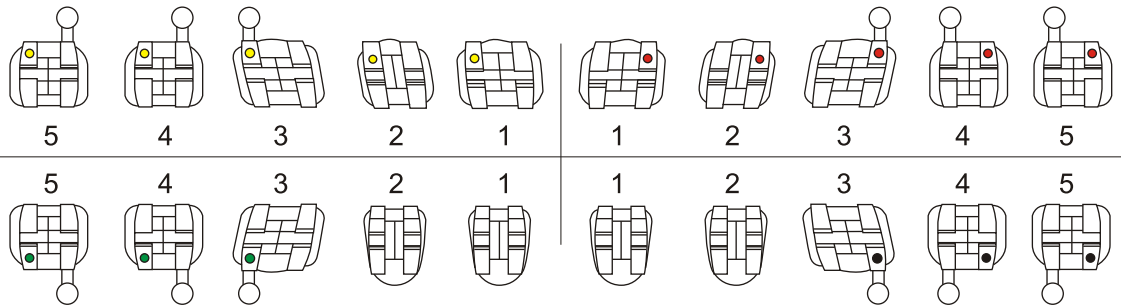




# CNC Series Brackets

## Mini MBT V-slot Brackets

in/out	1.03	1.03	1	1.1	1.03	1.03	1.1	1	1.03	1.03		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	2.8	2.8	2.8	2.8	3.2	3.2	2.8	2.8	2.8	2.8		
Item/ No.	18	w/hook	TM61-1114	TM61-1114	TM61-1113	TM61-1012	TM61-1011	TM61-1021	TM61-1022	TM61-1123	TM61-1124	TM61-1124
		w/o hook	TM61-1014	TM61-1014	TM61-1013					TM61-1023	TM61-1024	TM61-1024
	22	w/hook	TM62-1114	TM62-1114	TM62-1113	TM62-1012	TM62-1011	TM62-1021	TM62-1022	TM62-1123	TM62-1124	TM62-1124
		w/o hook	TM62-1014	TM62-1014	TM62-1013					TM62-1023	TM62-1024	TM62-1024



in/out	1.03	1.03	1.1	1.25	1.25	1.25	1.25	1.1	1.03	1.03		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	2.8	2.8	3	2.5	2.5	2.5	2.5	3	2.8	2.8		
Item/ No.	18	w/hook	TM61-1145	TM61-1144	TM61-1143	TM61-1041	TM61-1041	TM61-1031	TM61-1031	TM61-1133	TM61-1134	TM61-1135
		w/o hook	TM61-1045	TM61-1044	TM61-1043					TM61-1033	TM61-1034	TM61-1035
	22	w/hook	TM62-1145	TM62-1144	TM62-1143	TM62-1041	TM62-1041	TM62-1031	TM62-1031	TM62-1133	TM62-1134	TM62-1135
		w/o hook	TM62-1045	TM62-1044	TM62-1043					TM62-1033	TM62-1034	TM62-1035

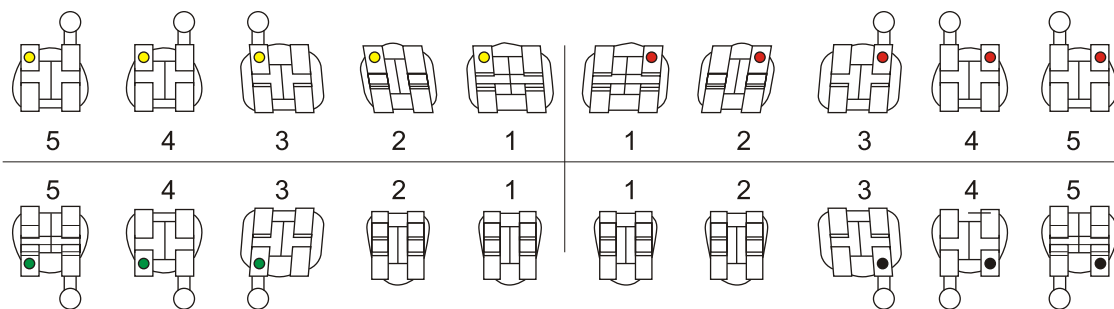
size	package	without hook	3with hook	345with hook
18	with laser mark set	TM61-11	TM61-12	TM61-13
	w/o laser mark set	TM61-01	TM61-02	TM61-03
22	with laser mark set	TM62-11	TM62-12	TM62-13
	w/o laser mark set	TM62-01	TM62-02	TM62-03



# CNC Series Brackets

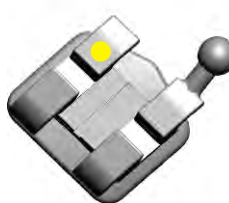
## Mini Ricketts Brackets

in/out	0.9	0.9	0.75	0.9	0.9	0.9	0.9	0.75	0.9	0.9		
torgue	0°	0°	7°	14°	22°	22°	14°	7°	0°	0°		
tip	0°	0°	5°	8°	5°	5°	8°	5°	0°	0°		
width	2.8	2.8	3	2.6	3.2	3.2	2.6	3	2.8	2.8		
Item/ No.	18	w/ hook	TR21-1114	TR21-1114	TR21-1113	TR21-1012	TR21-1011	TR21-1021	TR21-1022	TR21-1123	TR21-1124	TR21-1124
		w/o hook	TR21-1014	TR21-1014	TR21-1013					TR21-1023	TR21-1024	TR21-1024
	22	w/ hook	TR22-1114	TR22-1114	TR22-1113	TR22-1012	TR22-1011	TR22-1021	TR22-1022	TR22-1123	TR22-1124	TR22-1124
		w/o hook	TR22-1014	TR22-1014	TR22-1013					TR22-1023	TR22-1024	TR22-1024



in/out	0.9	0.9	0.75	1.46	1.46	1.46	1.46	0.75	0.9	0.9		
torgue	-11°	0°	7°	-1°	-1°	-1°	-1°	7°	0°	-11°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	2.8	2.8	2.8	2.3	2.3	2.3	2.3	2.8	2.8	2.8		
Item/ No.	18	w/ hook	TR21-1145	TR21-1144	TR21-1143	TR21-1041	TR21-1041	TR21-1031	TR21-1031	TR21-1133	TR21-1134	TR21-1135
		w/o hook	TR21-1045	TR21-1044	TR21-1043					TR21-1033	TR21-1034	TR21-1035
	22	w/ hook	TR22-1145	TR22-1144	TR22-1143	TR22-1041	TR22-1041	TR22-1031	TR22-1031	TR22-1133	TR22-1134	TR22-1135
		w/o hook	TR22-1045	TR22-1044	TR22-1043					TR22-1033	TR22-1034	TR22-1035

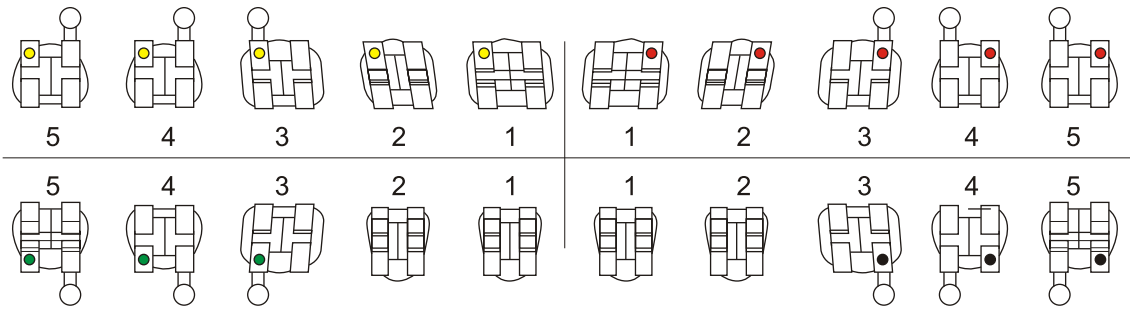
size	package	without hook	3with hook	345with hook
18	with laser mark set	TR21-11	TR21-12	TR21-13
	w/o laser mark set	TR21-01	TR21-02	TR21-03
22	with laser mark set	TR22-11	TR22-12	TR22-13
	w/o laser mark set	TR22-01	TR22-02	TR22-03



# CNC Series Brackets

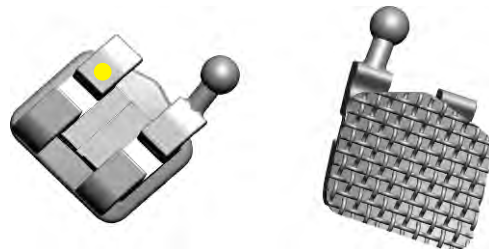
## Standard Ricketts Brackets

in/out	0.95	0.95	0.8	0.95	0.95	0.95	0.95	0.8	0.95	0.95		
torgue	0°	0°	7°	14°	22°	22°	14°	7°	0°	0°		
tip	0°	0°	5°	8°	5°	5°	8°	5°	0°	0°		
width	3.15	3.15	3.3	2.9	3.6	3.6	2.9	3.3	3.15	3.15		
Item/ No.	18	w/hook	TR11-1114	TR11-1114	TR11-1113	TR11-1012	TR11-1011	TR11-1021	TR11-1022	TR11-1123	TR11-1124	TR11-1124
		w/o hook	TR11-1014	TR11-1014	TR11-1013					TR11-1023	TR11-1024	TR11-1024
	22	w/hook	TR12-1114	TR12-1114	TR12-1113	TR12-1012	TR12-1011	TR12-1021	TR12-1022	TR12-1123	TR12-1124	TR12-1124
		w/o hook	TR12-1014	TR12-1014	TR12-1013					TR12-1023	TR12-1024	TR12-1024



in/out	0.94	0.95	0.8	1.55	1.55	1.55	1.55	0.8	0.95	0.94		
torgue	-11°	0°	7°	-1°	-1°	-1°	-1°	7°	0°	-11°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	3.15	3.15	3.3	2.5	2.5	2.5	2.5	3.3	3.15	3.15		
Item/ No.	18	w/hook	TR11-1145	TR11-1144	TR11-1143	TR11-1041	TR11-1041	TR11-1031	TR11-1031	TR11-1133	TR11-1134	TR11-1135
		w/o hook	TR11-1045	TR11-1044	TR11-1043					TR11-1033	TR11-1034	TR11-1035
	22	w/hook	TR12-1145	TR12-1144	TR12-1143	TR12-1041	TR12-1041	TR12-1031	TR12-1031	TR12-1133	TR12-1134	TR12-1135
		w/o hook	TR12-1045	TR12-1044	TR12-1043					TR12-1033	TR12-1034	TR12-1035

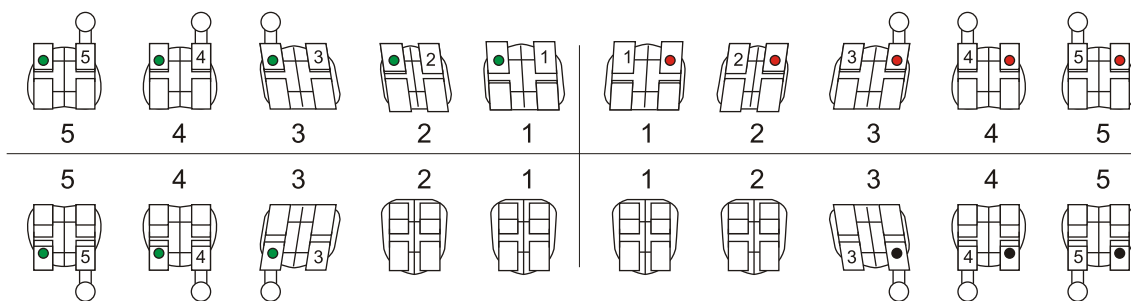
size	package	without hook	3with hook	345with hook
18	with laser mark set	TR11-11	TR11-12	TR11-13
	w/o laser mark set	TR11-01	TR11-02	TR11-03
22	with laser mark set	TR12-11	TR12-12	TR12-13
	w/o laser mark set	TR12-01	TR12-02	TR12-03



# CNC Series Brackets

## Standard Gemini Brackets

in/out	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	3.2	3.2	3.35	2.85	3.55	3.55	2.85	3.35	3.2	3.2		
Item/ No.	18	w/hook	TG11-1114	TG11-1114	TG11-1113	TG11-1012	TG11-1011	TG11-1021	TG11-1022	TG11-1123	TG11-1124	TG11-1124
		w/o hook	TG11-1014	TG11-1014	TG11-1013					TG11-1023	TG11-1024	TG11-1024
	22	w/hook	TG12-1114	TG12-1114	TG12-1113	TG12-1012	TG12-1011	TG12-1021	TG12-1022	TG12-1123	TG12-1124	TG12-1124
		w/o hook	TG12-1014	TG12-1014	TG12-1013					TG12-1023	TG12-1024	TG12-1024



in/out	0.83	0.81	0.8	1.2	1.2	1.2	1.2	0.8	0.81	0.83		
torgue	-22°	-17°	0°	-1°	-1°	-1°	-1°	0°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	3.2	3.2	3.35	2.6	2.6	2.6	2.6	3.35	3.2	3.2		
Item/ No.	18	w/hook	TG11-1145	TG11-1144	TG11-1143	TG11-1041	TG11-1041	TG11-1031	TG11-1031	TG11-1133	TG11-1134	TG11-1135
		w/o hook	TG11-1045	TG11-1044	TG11-1043					TG11-1033	TG11-1034	TG11-1035
	22	w/hook	TG12-1145	TG12-1144	TG12-1143	TG12-1041	TG12-1041	TG12-1031	TG12-1031	TG12-1133	TG12-1134	TG12-1135
		w/o hook	TG12-1045	TG12-1044	TG12-1043					TG12-1033	TG12-1034	TG12-1035

size	package	without hook	3with hook	345with hook
18	with laser mark set	TG11-11	TG11-12	TG11-13
	w/o laser mark set	TG11-01	TG11-02	TG11-03
22	with laser mark set	TG12-11	TG12-12	TG12-13
	w/o laser mark set	TG12-01	TG12-02	TG12-03

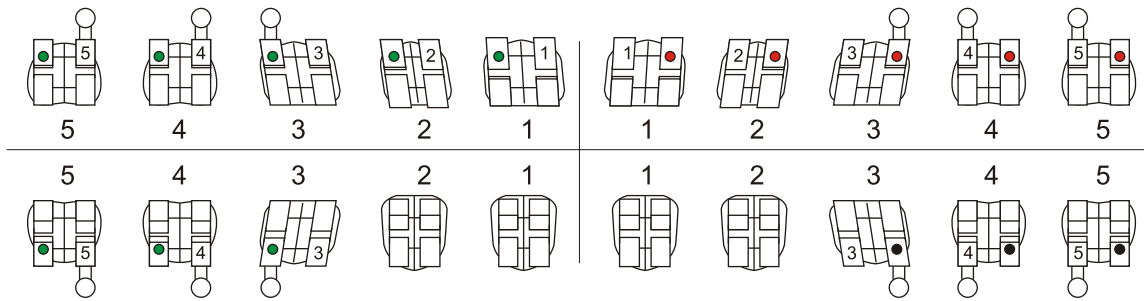
Mark in the wings



# CNC Series Brackets

## Standard Gemini MBT Brackets

in/out	1.03	0.8	0.8	1.1	0.81	0.81	1.1	0.8	0.8	1.03		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	3.2	3.2	3.35	2.85	3.55	3.55	2.85	3.35	3.2	3.2		
Item/ No.	18	w/hook	TG31-1114	TG31-1114	TG31-1113	TG31-1012	TG31-1011	TG31-1021	TG31-1022	TG31-1123	TG31-1124	TG31-1124
		w/o hook	TG31-1014	TG31-1014	TG31-1013					TG31-1023	TG31-1024	TG31-1024
	22	w/hook	TG32-1114	TG32-1114	TG32-1113	TG32-1012	TG32-1011	TG32-1021	TG32-1022	TG32-1123	TG32-1124	TG32-1124
		w/o hook	TG32-1014	TG32-1014	TG32-1013					TG32-1023	TG32-1024	TG32-1024



in/out	0.82	0.79	0.8	1.2	1.2	1.2	1.2	0.8	0.79	0.82		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	3.2	3.2	3.35	2.6	2.6	2.6	2.6	3.35	3.2	3.2		
Item/ No.	18	w/hook	TG31-1145	TG31-1144	TG31-1143	TG31-1041	TG31-1041	TG31-1031	TG31-1031	TG31-1133	TG31-1134	TG31-1135
		w/o hook	TG31-1045	TG31-1044	TG31-1043					TG31-1033	TG31-1034	TG31-1035
	22	w/hook	TG32-1145	TG32-1144	TG32-1143	TG32-1041	TG32-1041	TG32-1031	TG32-1031	TG32-1133	TG32-1134	TG32-1135
		w/o hook	TG32-1045	TG32-1044	TG32-1043					TG32-1033	TG32-1034	TG32-1035

size	package	without hook	3with hook	345with hook
18	with laser mark set	TG31-11	TG31-12	TG31-13
	w/o laser mark set	TG31-01	TG31-02	TG31-03
22	with laser mark set	TG32-11	TG32-12	TG32-13
	w/o laser mark set	TG32-01	TG32-02	TG32-03



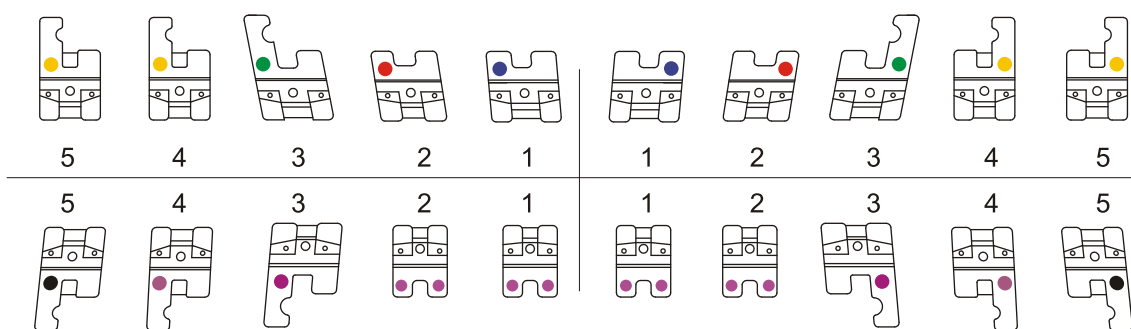
Mark in the wings



# Ceramic Series Brackets

## Self-ligating Roth Brackets

torgue		-7°	-7°	-2°	8°	11°	11°	8°	-2°	-7°	-7°	
tip		0°	0°	8°	9°	4°	4°	9°	8°	0°	0°	
width		3.3	3.3	3.4	3	3.3	3.3	3	3.4	3.3	3.3	
Item/ No.	18	w/hook	SZ91-1114	SZ91-1114	SZ91-1113	SZ91-1012	SZ91-1011	SZ91-1021	SZ91-1022	SZ91-1123	SZ91-1124	SZ91-1124
		w/o hook	SZ91-1014	SZ91-1014	SZ91-1013					SZ91-1023	SZ91-1024	SZ91-1024
	22	w/hook	SZ92-1114	SZ92-1114	SZ92-1113	SZ92-1012	SZ92-1011	SZ92-1021	SZ92-1022	SZ92-1123	SZ92-1124	SZ92-1124
		w/o hook	SZ92-1014	SZ92-1014	SZ92-1013					SZ92-1023	SZ92-1024	SZ92-1024



torgue		-21°	-17°	-11°	0°	0°	0°	0°	-11°	-17°	-21°	
tip		6°	3°	7°	0°	0°	0°	0°	7°	3°	6°	
width		3.3	3.3	3.4	2.9	2.9	2.9	2.9	3.4	3.3	3.3	
Item/ No.	18	w/hook	SZ91-1145	SZ91-1144	SZ91-1143	SZ91-1041	SZ91-1041	SZ91-1031	SZ91-1031	SZ91-1133	SZ91-1134	SZ91-1135
		w/o hook	SZ91-1045	SZ91-1044	SZ91-1043					SZ91-1033	SZ91-1034	SZ91-1035
	22	w/hook	SZ92-1145	SZ92-1144	SZ92-1143	SZ92-1041	SZ92-1041	SZ92-1031	SZ92-1031	SZ92-1133	SZ92-1134	SZ92-1135
		w/o hook	SZ92-1045	SZ92-1044	SZ92-1043					SZ92-1033	SZ92-1034	SZ92-1035

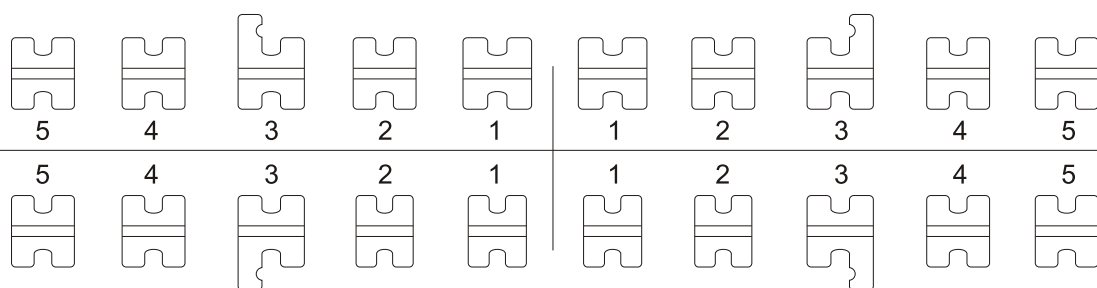
size	package	without hook	3with hook	345with hook
18	set	SZ91-01	SZ91-02	SZ91-03
22	set	SZ92-01	SZ92-02	SZ92-03



# Ceramic Series Brackets

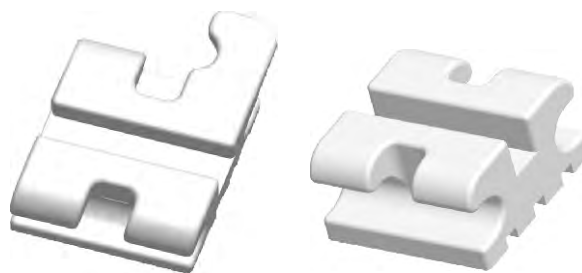
## Ceramic Edgewise Brackets

in/out	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	3.4	3.4	3.4	3.4	3.6	3.6	3.4	3.4	3.4	3.4		
Item/ No.	18	w/hook	TFC1-1114	TFC1-1114	TFC1-1113	TFC1-1012	TFC1-1011	TFC1-1021	TFC1-1022	TFC1-1123	TFC1-1124	FTC1-1124
		w/o hook	TFC1-1014	TFC1-1014	TFC1-1013					TFC1-1023	TFC1-1024	FTC1-1024
	22	w/hook	TFC2-1114	TFC2-1114	TFC2-1113	TFC2-1012	TFC2-1011	TFC2-1021	TFC2-1022	TFC2-1123	TFC2-1124	FTC2-1124
		w/o hook	TFC2-1014	TFC2-1014	TFC2-1013					TFC2-1023	TFC2-1024	FTC2-1024



in/out	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
torgue	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
width	3.4	3.4	3.4	3	3	3	3	3.4	3.4	3.4		
Item/ No.	18	w/hook	TFC1-1144	TFC1-1144	TFC1-1143	TFC1-1041	TFC1-1041	TFC1-1031	TFC1-1031	TFC1-1133	TFC1-1134	TFC1-1134
		w/o hook	TFC1-1044	TFC1-1044	TFC1-1043					TFC1-1033	TFC1-1034	TFC1-1034
	22	w/hook	TFC2-1144	TFC2-1144	TFC2-1143	TFC2-1041	TFC2-1041	TFC2-1031	TFC2-1031	TFC2-1133	TFC2-1134	TFC2-1134
		w/o hook	TFC2-1044	TFC2-1044	TFC2-1043					TFC2-1033	TFC2-1034	TFC2-1034

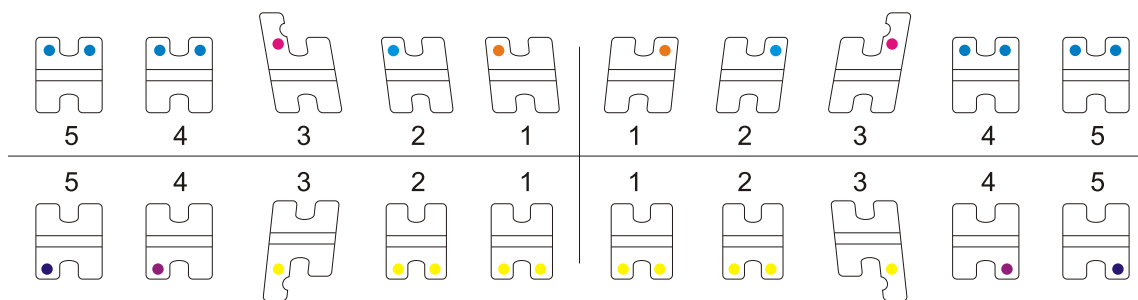
size	package	without hook	3with hook	345with hook
18	set	TFC1-01	TFC1-02	TFC1-03
22	set	TFC2-01	TFC2-02	TFC2-03



# Ceramic Series Brackets

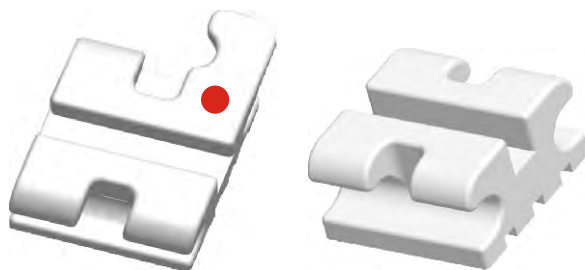
## Ceramic ROTH Brackets

in/out	1.2	1.2	1.2	1.5	1.2	1.2	1.5	1.2	1.2	1.2		
torgue	-7°	-7°	-2°	8°	12°	12°	8°	-2°	-7°	-7°		
tip	0°	0°	11°	9°	5°	5°	9°	11°	0°	0°		
width	3.4	3.4	3.5	3.3	3.5	3.5	3.3	3.5	3.4	3.4		
Item/ No.	18	w/hook	TZC1-1114	TZC1-1114	TZC1-1113	TZC1-1012	TZC1-1011	TZC1-1021	TZC1-1022	TZC1-1123	TZC1-1124	TZC1-1124
		w/o hook	TZC1-1014	TZC1-1014	TZC1-1013					TZC1-1023	TZC1-1024	TZC1-1024
	22	w/hook	TZC2-1114	TZC2-1114	TZC2-1113	TZC2-1012	TZC2-1011	TZC2-1021	TZC2-1022	TZC2-1123	TZC2-1124	TZC2-1124
		w/o hook	TZC2-1014	TZC2-1014	TZC2-1013					TZC2-1023	TZC2-1024	TZC2-1024



in/out	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.2	1.2	1.2		
torgue	-22°	-17°	-11°	-1°	-1°	-1°	-1°	-11°	-17°	-22°		
tip	0°	0°	5°	0°	0°	0°	0°	5°	0°	0°		
width	3.4	3.4	3.3	3	3	3	3	3.3	3.4	3.4		
Item/ No.	18	w/hook	TZC1-1145	TZC1-1144	TZC1-1143	TZC1-1041	TZC1-1041	TZC1-1031	TZC1-1031	TZC1-1133	TZC1-1134	TZC1-1135
		w/o hook	TZC1-1045	TZC1-1044	TZC1-1043					TZC1-1033	TZC1-1034	TZC1-1035
	22	w/hook	TZC2-1145	TZC2-1144	TZC2-1143	TZC2-1041	TZC2-1041	TZC2-1031	TZC2-1031	TZC2-1133	TZC2-1134	TZC2-1135
		w/o hook	TZC2-1045	TZC2-1044	TZC2-1043					TZC2-1033	TZC2-1034	TZC2-1035

size	package	without hook	3with hook	345with hook
18	set	TZC1-01	TZC1-02	TZC1-03
22	set	TZC2-01	TZC2-02	TZC2-03

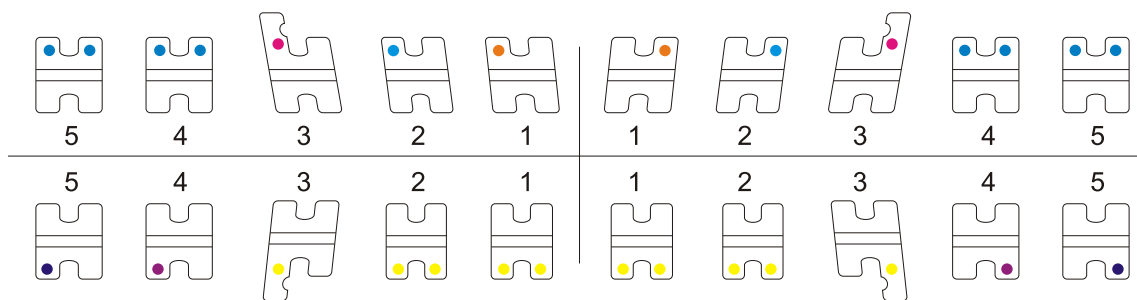




# Ceramic Series Brackets

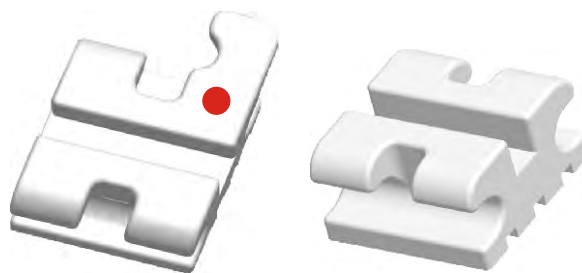
## Ceramic MBT Brackets

in/out	1.2	1.2	1.2	1.5	1.2	1.2	1.5	1.2	1.2	1.2		
torgue	-7°	-7°	0°	10°	17°	17°	10°	0°	-7°	-7°		
tip	0°	0°	8°	8°	4°	4°	8°	8°	0°	0°		
width	3.3	3.3	3.6	3	3.3	3.3	3	3.6	3.3	3.3		
Item/ No.	18	w/hook	TMC1-1114	TMC1-1114	TMC1-1113	TMC1-1012	TMC1-1011	TMC1-1021	TMC1-1022	TMC1-1123	TMC1-1124	TMC1-1124
		w/o hook	TMC1-1014	TMC1-1014	TMC1-1013					TMC1-1023	TMC1-1024	TMC1-1024
	22	w/hook	TMC2-1114	TMC2-1114	TMC2-1113	TMC2-1012	TMC2-1011	TMC2-1021	TMC2-1022	TMC2-1123	TMC2-1124	TMC2-1124
		w/o hook	TMC2-1014	TMC2-1014	TMC2-1013					TMC2-1023	TMC2-1024	TMC2-1024



in/out	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.2	1.2	1.2		
torgue	-17°	-12°	0°	-6°	-6°	-6°	-6°	0°	-12°	-17°		
tip	2°	2°	3°	0°	0°	0°	0°	3°	2°	2°		
width	3.3	3.3	3.6	2.5	2.5	2.5	2.5	3.6	3.3	3.3		
Item/ No.	18	w/hook	TMC1-1145	TMC1-1144	TMC1-1143	TMC1-1041	TMC1-1041	TMC1-1031	TMC1-1031	TMC1-1133	TMC1-1134	TMC1-1135
		w/o hook	TMC1-1045	TMC1-1044	TMC1-1043					TMC1-1033	TMC1-1034	TMC1-1035
	22	w/hook	TMC2-1145	TMC2-1144	TMC2-1143	TMC2-1041	TMC2-1041	TMC2-1031	TMC2-1031	TMC2-1133	TMC2-1134	TMC2-1135
		w/o hook	TMC2-1045	TMC2-1044	TMC2-1043					TMC2-1033	TMC2-1034	TMC2-1035

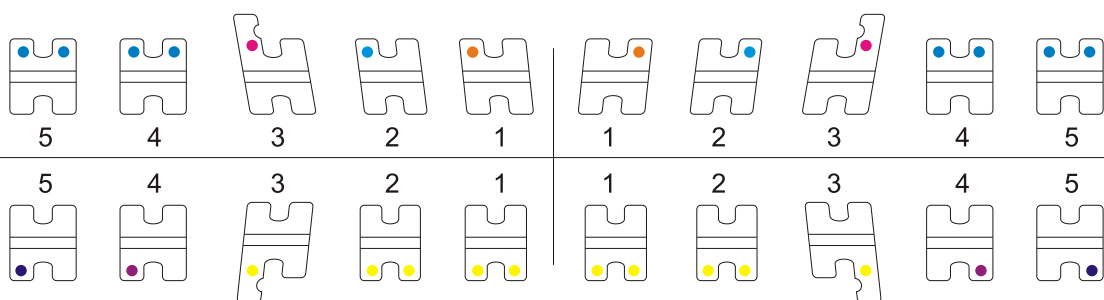
size	package	without hook	3with hook	345with hook
18	set	TMC1-01	TMC1-02	TMC1-03
22	set	TMC2-01	TMC2-02	TMC2-03



# Sapphire Series Brackets

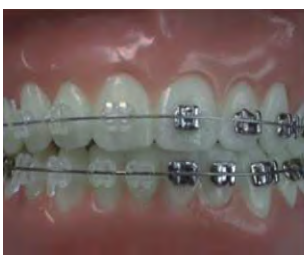
## Sapphire Roth Brackets

torgue		-7°	-7°	-2°	8°	11°	11°	8°	-2°	-7°	-7°	
tip		0°	0°	8°	9°	4°	4°	9°	8°	0°	0°	
width		3.3	3.3	3.4	3	3.3	3.3	3	3.4	3.3	3.3	
Item/ No.	18	w/hook	SZ11-1114	SZ11-1114	SZ11-1113	SZ11-1012	SZ11-1011	SZ11-1021	SZ11-1022	SZ11-1123	SZ11-1124	SZ11-1124
		w/o hook	SZ11-1014	SZ11-1014	SZ11-1013					SZ11-1023	SZ11-1024	SZ11-1024
	22	w/hook	SZ12-1114	SZ12-1114	SZ12-1113	SZ12-1012	SZ12-1011	SZ12-1021	SZ12-1022	SZ12-1123	SZ12-1124	SZ12-1124
		w/o hook	SZ12-1014	SZ12-1014	SZ12-1013					SZ12-1023	SZ12-1024	SZ12-1024



torgue		-21°	-17°	-11°	0°	0°	0°	0°	-11°	-17°	-21°	
tip		6°	3°	7°	0°	0°	0°	0°	7°	3°	6°	
width		3.3	3.3	3.4	2.9	2.9	2.9	2.9	3.4	3.3	3.3	
Item/ No.	18	w/hook	SZ11-1145	SZ11-1144	SZ11-1143	SZ11-1041	SZ11-1041	SZ11-1031	SZ11-1031	SZ11-1133	SZ11-1134	SZ11-1135
		w/o hook	SZ11-1045	SZ11-1044	SZ11-1043					SZ11-1033	SZ11-1034	SZ11-1035
	22	w/hook	SZ12-1145	SZ12-1144	SZ12-1143	SZ12-1041	SZ12-1041	SZ12-1031	SZ12-1031	SZ12-1133	SZ12-1134	SZ12-1135
		w/o hook	SZ12-1045	SZ12-1044	SZ12-1043					SZ12-1033	SZ12-1034	SZ12-1035

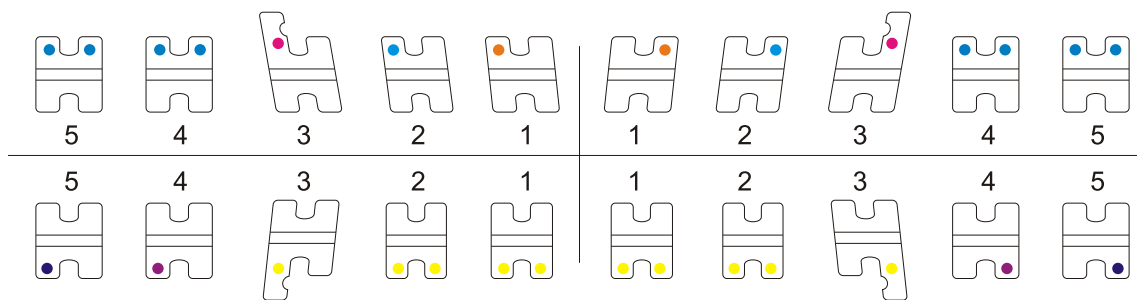
size	package	without hook	3with hook	345with hook
18	set	SZ11-01	SZ11-02	SZ11-03
22	set	SZ12-01	SZ12-02	SZ12-03



# Sapphire Series Brackets

## Sapphire MBT Brackets

torgue		-8°	-8°	-8°	11°	18°	18°	11°	-8°	-8°	-8°	
tip		0°	0°	8°	8°	4°	4°	8°	8°	0°	0°	
width		3.3	3.3	3.4	3	3.3	3.3	3	3.4	3.3	3.3	
Item/ No.	18	w/hook	SM11-1114	SM11-1114	SM11-1113	SM11-1012	SM11-1011	SM11-1021	SM11-1022	SM11-1123	SM11-1124	SM11-1124
		w/o hook	SM11-1014	SM11-1014	SM11-1013					SM11-1023	SM11-1024	SM11-1024
	22	w/hook	SM12-1114	SM12-1114	SM12-1113	SM12-1012	SM12-1011	SM12-1021	SM12-1022	SM12-1123	SM12-1124	SM12-1124
		w/o hook	SM12-1014	SM12-1014	SM12-1013					SM12-1023	SM12-1024	SM12-1024



torgue		-18°	-13°	-6°	-6°	-6°	-6°	-6°	-6°	-13°	-19°	
tip		2°	2°	4°	0°	0°	0°	0°	4°	2°	2°	
width		3.3	3.3	3.4	2.9	2.9	2.9	2.9	3.4	3.3	3.3	
Item/ No.	18	w/hook	SM11-1145	SM11-1144	SM11-1143	SM11-1041	SM11-1041	SM11-1031	SM11-1031	SM11-1133	SM11-1134	SM11-1135
		w/o hook	SM11-1045	SM11-1044	SM11-1043					SM11-1033	SM11-1034	SM11-1035
	22	w/hook	SM12-1145	SM12-1144	SM12-1143	SM12-1041	SM12-1041	SM12-1031	SM12-1031	SM12-1133	SM12-1134	SM12-1135
		w/o hook	SM12-1045	SM12-1044	SM12-1043					SM12-1033	SM12-1034	SM12-1035

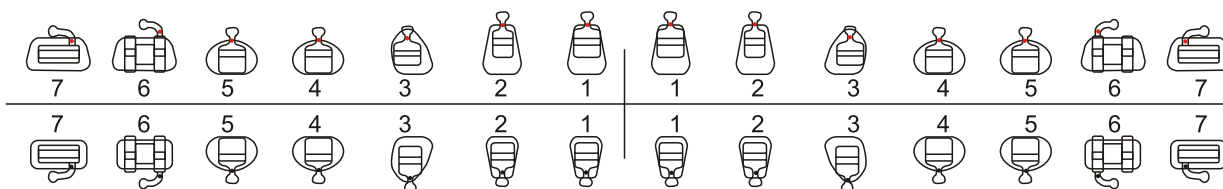
size	package	without hook	3with hook	345with hook
18	set	SM11-01	SM11-02	SM11-03
22	set	SM12-01	SM12-02	SM12-03



# Other Brackets

## Lingual Brackets

torgue	10°	10°	10°	10°	-42°	-38°	-32°	-32°	-38°	-42°	10°	10°	10°	10°
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
width	3.8	3.8	2.5	2.5	2.4	2	2.5	2.5	2	2.4	2.5	2.5	3.8	3.8
litem NO.	TZL1-1117	TZL1-1116	TZL1-1114	TZL1-1114	TZL1-1113	TZL1-1012	TZL1-1011	TZL1-1021	TZL1-1022	TZL1-1123	TZL1-1124	TZL1-1124	TZL1-1126	TZL1-1127



torgue	-10°	-10°	-10°	-10°	-52°	-48°	-48°	-48°	-48°	-52°	-10°	-10°	-10°	-10°
tip	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
width	3.8	3.8	2.5	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	3.8	3.8
litem NO.	TZL1-1147	TZL1-1146	TZL1-1145	TZL1-1144	TZL1-1143	TZL1-1041	TZL1-1041	TZL1-1031	TZL1-1031	TZL1-1133	TZL1-1134	TZL1-1135	TZL1-1146	TZL1-1147

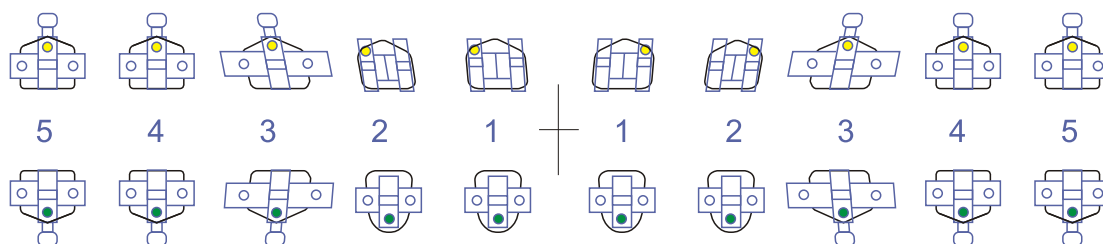
size		package	Item No.
321	123	set	TZL0-01
321	123		
7654	4567	set	TZL0-01
7654	4567		



# Other Brackets

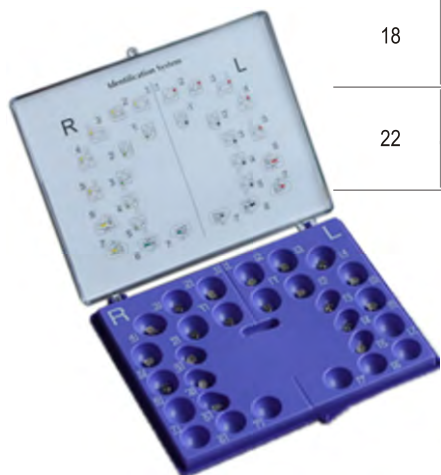
## Alexander Brackets

in/out	1	1	1	1.2	1	1	1.2	1	1	1		
torgue	-7°	-7°	-3°	7°	14°	14°	7°	-3°	-7°	-7°		
tip	0°	0°	10°	8°	5°	5°	8°	10°	0°	0°		
width	5	5	6.7	3.1	3.5	3.5	3.1	6.7	5	5		
Item/ No.	18	w/hook	TZA1-1114	TZA1-1114	TZA1-1113	TZA1-1112	TZA1-1011	TZA1-1021	TZA1-1122	TZA1-1123	TZA1-1124	TZA1-1124
		w/o hook	TZA1-1014	TZA1-1014	TZA1-1013	TZA1-1012			TZA1-1022	TZA1-1023	TZA1-1024	TZA1-1024
	22	w/hook	TZA2-1114	TZA2-1114	TZA2-1113	TZA2-1112	TZA2-1011	TZA2-1021	TZA2-1122	TZA2-1123	TZA2-1124	TZA2-1124
		w/o hook	TZA2-1014	TZA2-1014	TZA2-1013	TZA2-1012			TZA2-1022	TZA2-1023	TZA2-1024	TZA2-1024



in/out	0.9	0.9	0.9	1.3	1.3	1.3	1.3	0.9	0.9	0.9		
torgue	-17°	-11°	-7°	-5°	-5°	-5°	-5°	-7°	-11°	-17°		
tip	0°	0°	6°	0°	0°	0°	0°	6°	0°	0°		
width	5	5	6.7	4.5	4.5	4.5	4.5	6.7	5	5		
Item/ No.	18	w/hook	TZA1-1145	TZA1-1144	TZA1-1143	TZA1-1041	TZA1-1041	TZA1-1031	TZA1-1031	TZA1-1133	TZA1-1134	TZA1-1135
		w/o hook	TZA1-1045	TZA1-1044	TZA1-1043					TZA1-1033	TZA1-1034	TZA1-1035
	22	w/hook	TZA2-1145	TZA2-1144	TZA2-1143	TZA2-1041	TZA2-1041	TZA2-1031	TZA2-1031	TZA2-1133	TZA2-1134	TZA2-1135
		w/o hook	TZA2-1045	TZA2-1044	TZA2-1043					TZA2-1033	TZA2-1034	TZA2-1035

size	package	without hook	3with hook	345with hook
18	with laser mark set	TZA1-11	TZA1-12	TZA1-13
	w/o laser mark set	TZA1-01	TZA1-02	TZA1-03
22	with laser mark set	TZA2-11	TZA2-12	TZA2-13
	w/o laser mark set	TZA2-01	TZA2-02	TZA2-03



# Other Brackets

## 1st Molar Edgewise Brackets

Tooth		UR	UL	LL	LR	
in/out		1	1	1	1	
torgue		0	0	0	0	
tip		0	0	0	0	
width		3.8	3.8	3.8	3.8	
Item/ No.	18	w/hook	TF11-1116	TF11-1126	TF11-1136	TF11-1146
		w/o hook	TF11-1016	TF11-1026	TF11-1036	TF11-1046
	22	w/hook	TF12-1116	TF12-1126	TF12-1136	TF11-1146
		w/o hook	TF12-1016	TF12-1026	TF12-1036	TF11-1046

## 2nd Molar Edgewise Brackets

Tooth		UR	UL	LL	LR	
in/out		1	1	1	1	
torgue		0	0	0	0	
tip		0	0	0	0	
width		3.2	3.2	3.2	3.2	
Item/ No.	18	w/hook	TF11-1117	TF11-1127	TF11-1137	TF11-1147
		w/o hook	TF11-1017	TF11-1027	TF11-1037	TF11-1047
	22	w/hook	TF12-1117	TF12-1127	TF12-1137	TF11-1147
		w/o hook	TF12-1017	TF12-1027	TF12-1037	TF11-1047

## 1st Molar Roth Brackets

Tooth		UR	UL	LL	LR	
in/out		1	1	1	1	
torgue		-14	-14	-25	-25	
tip		0	0	0	0	
width		3.8	3.8	3.8	3.8	
Item/ No.	18	w/hook	TZ11-1116	TZ11-1126	TM11-1136	TM11-1146
		w/o hook	TZ11-1016	TZ11-1026	TM11-1036	TM11-1046
	22	w/hook	TZ12-1116	TZ12-1126	TM12-1136	TM11-1146
		w/o hook	TZ12-1016	TZ12-1026	TM12-1036	TM11-1046

## 2nd Molar Roth Brackets

Tooth		UR	UL	LL	LR	
in/out		1.05	1.05	0.7	0.7	
torgue		-14	-14	-25	-25	
tip		0	0	0	0	
width		3.2	3.2	3.2	3.2	
Item/ No.	18	w/hook	TZ11-1117	TZ11-1127	TZ11-1137	TZ11-1147
		w/o hook	TZ11-1017	TZ11-1027	TZ11-1037	TZ11-1047
	22	w/hook	TZ12-1117	TZ12-1127	TZ12-1137	TZ11-1147
		w/o hook	TZ12-1017	TZ12-1027	TZ12-1037	TZ11-1047

## 1st Molar MBT Brackets

Tooth		UR	UL	LL	LR	
in/out		1	1	1	1	
torgue		-14	-14	-20	-20	
tip		0	0	0	0	
width		3.8	3.8	3.8	3.8	
Item/ No.	18	w/hook	TZ11-1116	TZ11-1126	TM11-1136	TM11-1146
		w/o hook	TZ11-1016	TZ11-1026	TM11-1036	TM11-1046
	22	w/hook	TZ12-1116	TZ12-1126	TM12-1136	TM11-1146
		w/o hook	TZ12-1016	TZ12-1026	TM12-1036	TM11-1046

## 2nd Molar MBT Brackets

Tooth		UR	UL	LL	LR	
in/out		1.05	1.05	0.7	0.7	
torgue		-14	-14	-25	-25	
tip		0	0	0	0	
width		3.2	3.2	3.2	3.2	
Item/ No.	18	w/hook	TM11-1117	TM11-1127	TM11-1137	TM11-1147
		w/o hook	TM11-1017	TM11-1027	TM11-1037	TM11-1047
	22	w/hook	TM12-1117	TM12-1127	TM12-1137	TM11-1147
		w/o hook	TM12-1017	TM12-1027	TM12-1037	TM11-1047

## Begg Brackets Fashion Brackets

Bondable and weldable

Five stars



Quincuncial



Heart

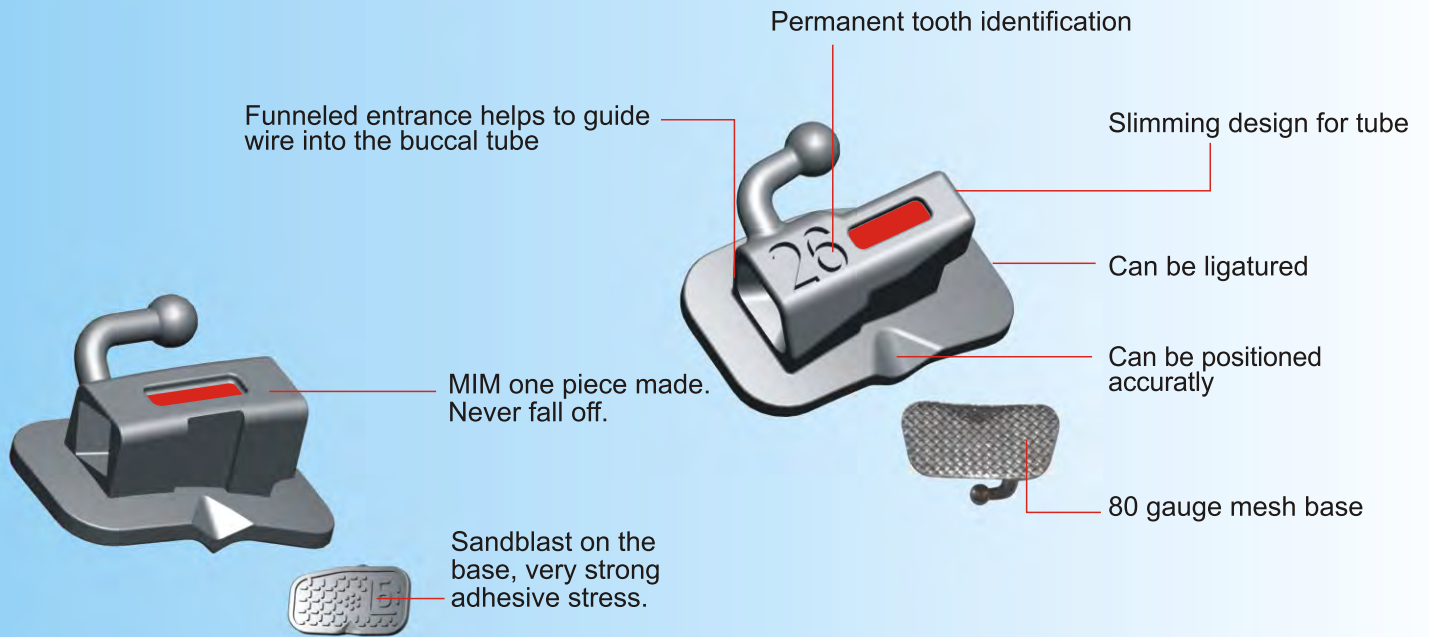


Mickey



Mainly used on upper 3-3, pls specify the type and specifications.

# BUCCAL TUBES



MIM MONOBLOCK BUCCAL TUBES

MIM TWO PIECES BUCCAL TUBES

Weldable Series

39-41

Bondable Series

42-50

# Weldable buccal tubes

## 1st Molar

- Single tubes
- Double combination tubes
- Double rectangular tubes
- Triple tubes

## 2nd Molar

- Single tubes

# Bondable buccal tubes

## 1st Molar

- Single tubes 1G
- Single tubes 2G
- Single tubes 3G
- Single tubes 4G
- Single tubes 5G
- Monoblock single tubes
- Double combination tubes
- Double rectangular tubes
- Triple tubes

## 2nd Molar

- Single tubes
- Monoblock single tubes

## Other Tubes



## First Molar Weldable Buccal Tubes

### Single Weldable Tubes □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	10°	0.4	4	J120-1116	J120-1216	J120-0116	J120-0216
	UL	-14°	10°	0.4	4	J120-1126	J120-1226	J120-0126	J120-0226
	LL	-25°	4°	0.4	4	J120-1136	J120-1236	J120-0136	J120-0236
	LR	-25°	4°	0.4	4	J120-1146	J120-1246	J120-0146	J120-0246
MBT	UR	-14°	10°	0.4	4	J130-1116	J130-1216	J130-0116	J130-0216
	UL	-14°	10°	0.4	4	J130-1126	J130-1226	J130-0126	J130-0226
	LL	-20°	0°	0.4	4	J130-1136	J130-1236	J130-0136	J130-0236
	LR	-20°	0°	0.4	4	J130-1146	J130-1246	J130-0146	J130-0246
Edgewise	UR	0°	6°	0.4	4	J110-1116	J110-1216	J110-0116	J110-0216
	UL	0°	6°	0.4	4	J110-1126	J110-1226	J110-0126	J110-0226
	LL	0°	6°	0.4	4	J110-1136	J110-1236	J110-0136	J110-0236
	LR	0°	6°	0.4	4	J110-1146	J110-1246	J110-0146	J110-0246



### Double Combination Weldable Tubes ○□

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	10°	0.4	4	J220-1116	J220-1216	J220-0116	J220-0216
	UL	-14°	10°	0.4	4	J220-1126	J220-1226	J220-0126	J220-0226
MBT	UR	-14°	10°	0.4	4	J230-1116	J230-1216	J230-0116	J230-0216
	UL	-14°	10°	0.4	4	J230-1126	J230-1226	J230-0126	J230-0226
Edgewise	UR	0°	6°	0.4	4	J210-1116	J210-1116	J210-0116	J210-0216
	UL	0°	6°	0.4	4	J210-1126	J210-1126	J210-0126	J210-0226
	LL	0°	6°	0.4	4	J210-1136	J210-1136	J210-0136	J210-0236
	LR	0°	6°	0.4	4	J210-1146	J210-1146	J210-0146	J210-0246



### Double Rectangular Weldable Tube □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	10°	0.4	4	J420-1116	J420-1216	J420-0116	J420-0216
	UL	-14°	10°	0.4	4	J420-1126	J420-1226	J420-0126	J420-0226
	LL	-25°	4°	0.4	4	J420-1136	J420-1236	J420-0136	J420-0236
	LR	-25°	4°	0.4	4	J420-1146	J420-1246	J420-0146	J420-0246
MBT	UR	-14°	10°	0.4	4	J430-1116	J430-1216	J430-0116	J430-0216
	UL	-14°	10°	0.4	4	J430-1126	J430-1226	J430-0126	J430-0226
	LL	-20°	0°	0.4	4	J430-1136	J430-1236	J430-0136	J430-0236
	LR	-20°	0°	0.4	4	J430-1146	J430-1246	J430-0146	J430-0246
Edgewise	UR	0°	6°	0.4	4	J410-1116	J410-1216	J410-0116	J410-0216
	UL	0°	6°	0.4	4	J410-1126	J410-1226	J410-0126	J410-0226
	LL	0°	6°	0.4	4	J410-1136	J410-1236	J410-0136	J410-0236
	LR	0°	6°	0.4	4	J410-1146	J410-1246	J410-0146	J410-0246



# Weldable Buccal Tubes

## Triple Weldable Tubes

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	10°	0.4	4	J320-1116	J320-1216	J320-0116	J320-0216
	UL	-14°	10°	0.4	4	J320-1126	J320-1226	J320-0126	J320-0226
MBT	UR	-14°	10°	0.4	4	J320-1116	J320-1216	J320-0116	J320-0216
	UL	-14°	10°	0.4	4	J320-1126	J320-1226	J320-0126	J320-0226
Edgewise	UR	0°	6°	0.4	4	J310-1116	J310-1216	J310-0116	J310-0216
	UL	0°	6°	0.4	4	J310-1126	J310-1226	J310-0126	J310-0226



## Second Molar Weldable Buccal Tubes

### Single Weldable Tubes

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	3.2	J120-0117	J120-0217
	UL	-14°	10°	0.4	3.2	J120-0127	J120-0227
	LL	-25°	4°	0.4	3.2	J120-0137	J120-0237
	LR	-25°	4°	0.4	3.2	J120-0147	J120-0247
MBT	UR	-14°	10°	0.4	3.2	J130-0117	J130-0217
	UL	-14°	10°	0.4	3.2	J130-0127	J130-0227
	LL	-10°	0°	0.4	3.2	J130-0137	J130-0237
	LR	-10°	0°	0.4	3.2	J130-0147	J130-0247
Edgewise	UR	0°	6°	0.4	3.2	J110-0117	J110-0217
	UL	0°	6°	0.4	3.2	J110-0127	J110-0227
	LL	0°	6°	0.4	3.2	J110-0137	J110-0237
	LR	0°	6°	0.4	3.2	J110-0147	J110-0247



### Single Weldable Tubes 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	4	J120-01-71	J120-02-71
	Lower	-25°	4°	0.4	4		
MBT	Upper	-14°	10°	0.4	4	J130-01-71	J130-02-71
	Lower	-20°	0°	0.4	4		
Edgewise	Upper	0°	6°	0.4	4	J110-01-71	J110-02-71
	Lower	0°	6°	0.4	4		



## First Molar Weldable Buccal Tubes

### Single Weldable Tubes □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4				
	Lower	-25°	4°	0.4	4	J120-11-61	J120-12-61	J120-01-61	J120-02-61
MBT	Upper	-14°	10°	0.4	4				
	Lower	-20°	0°	0.4	4	J130-11-61	J130-12-61	J130-01-61	J130-02-61
Edgewise	Upper	0°	6°	0.4	4				
	Lower	0°	6°	0.4	4	J110-11-61	J110-12-61	J110-01-61	J110-02-61



### Double Combination Weldable Tubes ○□/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4				
	Lower	-25°	4°	0.4	4	J220-11-61	J220-12-61	J220-01-61	J220-02-61
MBT	Upper	-14°	10°	0.4	4				
	Lower	-20°	0°	0.4	4	J230-11-61	J230-12-61	J230-01-61	J230-02-61
Edgewise	Upper	0°	6°	0.4	4				
	Lower	0°	6°	0.4	4	J210-11-61	J210-12-61	J210-01-61	J210-02-61



### Double Rectangular Weldable Tubes □□/□□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4				
	Lower	-25°	4°	0.4	4	J420-11-61	J420-12-61	J420-01-61	J420-02-61
MBT	Upper	-14°	10°	0.4	4				
	Lower	-20°	0°	0.4	4	J430-11-61	J430-12-61	J430-01-61	J430-02-61
Edgewise	Upper	0°	6°	0.4	4				
	Lower	0°	6°	0.4	4	J410-11-61	J410-12-61	J410-01-61	J410-02-61



### Triple Weldable Tubes ○□□/□□□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4				
	Lower	-25°	4°	0.4	4	J320-11-61	J320-12-61	J320-01-61	J320-02-61
MBT	Upper	-14°	10°	0.4	4				
	Lower	-20°	0°	0.4	4	J330-11-61	J330-12-61	J330-01-61	J330-02-61
Edgewise	Upper	0°	6°	0.4	4				
	Lower	0°	6°	0.4	4	J310-11-61	J310-12-61	J310-01-61	J310-02-61



# Bondable Buccal Tubes

## First Molar Bondable Buccal Tubes

### Single Bondable Tubes 1G

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	10°	0.4	4	J121-1116	J121-1216	J121-0116	J121-0216
	UL	-14°	10°	0.4	4	J121-1126	J121-1226	J121-0126	J121-0226
	LL	-25°	4°	0.4	4	J121-1136	J121-1236	J121-0136	J121-0236
	LR	-25°	4°	0.4	4	J121-1146	J121-1246	J121-0146	J121-0246
MBT	UR	-14°	10°	0.4	4	J131-1116	J131-1216	J131-0116	J131-0216
	UL	-14°	10°	0.4	4	J131-1126	J131-1226	J131-0126	J131-0226
	LL	-20°	0°	0.4	4	J131-1136	J131-1236	J131-0136	J131-0236
	LR	-20°	0°	0.4	4	J131-1146	J131-1246	J131-0146	J131-0246
Edgewise	UR	0°	6°	0.4	4	J111-1116	J111-1216	J111-0116	J111-0216
	UL	0°	6°	0.4	4	J111-1126	J111-1226	J111-0126	J111-0226
	LL	0°	6°	0.4	4	J111-1136	J111-1236	J111-0136	J111-0236
	LR	0°	6°	0.4	4	J111-1146	J111-1246	J111-0146	J111-0246



### Single Bondable Tubes 2G

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	4.2	J122-0116	J122-0216
	UL	-14°	10°	0.4	4.2	J122-0126	J122-0226
	LL	-25°	4°	0.4	4.2	J122-0136	J122-0236
	LR	-25°	4°	0.4	4.2	J122-0146	J122-0246
MBT	UR	-14°	10°	0.4	4.2	J132-0116	J132-0216
	UL	-14°	10°	0.4	4.2	J132-0126	J132-0226
	LL	-20°	0°	0.4	4.2	J132-0136	J132-0236
	LR	-20°	0°	0.4	4.2	J132-0146	J132-0246
Edgewise	UR	0°	6°	0.4	4.2	J112-0116	J112-0216
	UL	0°	6°	0.4	4.2	J112-0126	J112-0226
	LL	0°	6°	0.4	4.2	J112-0136	J112-0236
	LR	0°	6°	0.4	4.2	J112-0146	J112-0246



# Bondable Buccal Tubes

## Single Bondable Tube 3G □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	4	J124-0116	J124-0216
	UL	-14°	10°	0.4	4	J124-0126	J124-0226
	LL	-25°	4°	0.4	4	J124-0136	J124-0236
	LR	-25°	4°	0.4	4	J124-0146	J124-0246
MBT	UR	-14°	10°	0.4	4	J134-0116	J134-0216
	UL	-14°	10°	0.4	4	J134-0126	J134-0226
	LL	-20°	0°	0.4	4	J134-0136	J134-0236
	LR	-20°	0°	0.4	4	J134-0146	J134-0246
Edgewise	UR	0°	6°	0.4	4	J114-0116	J114-0216
	UL	0°	6°	0.4	4	J114-0126	J114-0226
	LL	0°	6°	0.4	4	J114-0136	J114-0236
	LR	0°	6°	0.4	4	J114-0146	J114-0246



## Single Bondable Tube 4G □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	4	J125-0116	J125-0216
	UL	-14°	10°	0.4	4	J125-0126	J125-0226
	LL	-25°	4°	0.4	4	J125-0136	J125-0236
	LR	-25°	4°	0.4	4	J125-0146	J125-0246
MBT	UR	-14°	10°	0.4	4	J135-0116	J135-0216
	UL	-14°	10°	0.4	4	J135-0126	J135-0226
	LL	-20°	0°	0.4	4	J135-0136	J135-0236
	LR	-20°	0°	0.4	4	J135-0146	J135-0246
Edgewise	UR	0°	6°	0.4	4	J115-0116	J115-0216
	UL	0°	6°	0.4	4	J115-0126	J115-0226
	LL	0°	6°	0.4	4	J115-0136	J115-0236
	LR	0°	6°	0.4	4	J115-0146	J115-0246



## Single Bondable Tube 5G □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	4	J126-0116	J126-0216
	UL	-14°	10°	0.4	4	J126-0126	J126-0226
	LL	-25°	4°	0.4	4	J126-0136	J126-0236
	LR	-25°	4°	0.4	4	J126-0146	J126-0246
MBT	UR	-14°	10°	0.4	4	J136-0116	J136-0216
	UL	-14°	10°	0.4	4	J136-0126	J136-0226
	LL	-20°	0°	0.4	4	J136-0136	J136-0236
	LR	-20°	0°	0.4	4	J136-0146	J136-0246
Edgewise	UR	0°	6°	0.4	4	J116-0116	J116-0216
	UL	0°	6°	0.4	4	J116-0126	J116-0226
	LL	0°	6°	0.4	4	J116-0136	J116-0236
	LR	0°	6°	0.4	4	J116-0146	J116-0246



# Bondable Buccal Tubes

## Monoblock Single Bondable Tubes □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	4	J123-0116	J123-0216
	UL	-14°	10°	0.4	4	J123-0126	J123-0226
	LL	-25°	4°	0.4	4	J123-0136	J123-0236
	LR	-25°	4°	0.4	4	J123-0146	J123-0246
MBT	UR	-14°	10°	0.4	4	J133-0116	J133-0216
	UL	-14°	10°	0.4	4	J133-0126	J133-0226
	LL	-20°	0°	0.4	4	J133-0136	J133-0236
	LR	-20°	0°	0.4	4	J133-0146	J133-0246
Edgewise	UR	0°	6°	0.4	4	J113-0116	J113-0216
	UL	0°	6°	0.4	4	J113-0126	J113-0226
	LL	0°	6°	0.4	4	J113-0136	J113-0236
	LR	0°	6°	0.4	4	J113-0146	J113-0246



## Double Combination Bondable Tubes ○□

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	10°	0.4	4	J221-1116	J221-1216	J221-0116	J221-0216
	UL	-14°	10°	0.4	4	J221-1126	J221-1226	J221-0126	J221-0226
MBT	UR	-14°	10°	0.4	4	J231-1116	J231-1216	J231-0116	J231-0216
	UL	-14°	10°	0.4	4	J231-1126	J231-1226	J231-0126	J231-0226
Edgewise	UR	0°	6°	0.4	4	J211-1116	J211-1216	J211-0116	J211-0216
	UL	0°	6°	0.4	4	J211-1126	J211-1226	J211-0126	J211-0226



## Double Rectangular Bondable Tubes □□

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	UR	-14°	4°	0.4	4	J421-1116	J421-1216	J421-0116	J421-0216
	UL	-14°	4°	0.4	4	J421-1126	J421-1226	J421-0126	J421-0226
	LL	-25°	4°	0.4	4	J421-1136	J421-1236	J421-0136	J421-0236
	LR	-25°	4°	0.4	4	J421-1146	J421-1246	J421-0146	J421-0246
MBT	UR	-14°	4°	0.4	4	J431-1116	J431-1216	J431-0116	J431-0216
	UL	-14°	4°	0.4	4	J431-1126	J431-1226	J431-0126	J431-0226
	LL	-20°	0°	0.4	4	J431-1136	J431-1236	J431-0136	J431-0236
	LR	-20°	0°	0.4	4	J431-1146	J431-1246	J431-0146	J431-0246
Edgewise	UR	0°	6°	0.4	4	J411-1116	J411-1216	J411-0116	J411-0216
	UL	0°	6°	0.4	4	J411-1126	J411-1226	J411-0126	J411-0226
	LL	0°	6°	0.4	4	J411-1136	J411-1236	J411-0136	J411-0236
	LR	0°	6°	0.4	4	J411-1146	J411-1246	J411-0146	J411-0246



# Bondable Buccal Tubes

## Triple Bondable Tubes

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
roth	UR	-14°	10°	0.4	4	J321-1116	J321-1216	J321-0116	J321-0216
	UL	-14°	10°	0.4	4	J321-1126	J321-1226	J321-0126	J321-0226
MBT	UR	-14°	10°	0.4	4	J331-1116	J331-1216	J331-0116	J331-0216
	UL	-14°	10°	0.4	4	J331-1126	J331-1226	J331-0126	J331-0226
Edgewise	UR	0°	6°	0.4	4	J311-1116	J311-1216	J311-0116	J311-0216
	UL	0°	6°	0.4	4	J311-1126	J311-1226	J311-0126	J311-0226



## Second Molar Bondable Buccal Tubes

### Single Bondable Tubes 1G

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	3.2	J121-0117	J121-0217
	UL	-14°	10°	0.4	3.2	J121-0127	J121-0227
	LL	-25°	4°	0.4	3.2	J121-0137	J121-0237
	LR	-25°	4°	0.4	3.2	J121-0147	J121-0247
MBT	UR	-14°	10°	0.4	3.2	J131-0117	J131-0217
	UL	-14°	10°	0.4	3.2	J131-0127	J131-0227
	LL	-10°	0°	0.4	3.2	J131-0137	J131-0237
	LR	-10°	0°	0.4	3.2	J131-0147	J131-0247
Edgewise	UR	0°	6°	0.4	3.2	J111-0117	J111-0217
	UL	0°	6°	0.4	3.2	J111-0127	J111-0227
	LL	0°	6°	0.4	3.2	J111-0137	J111-0237
	LR	0°	6°	0.4	3.2	J111-0147	J111-0247



### Single Bondable Tubes 2G

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	3.2	J122-0117	J122-0217
	UL	-14°	10°	0.4	3.2	J122-0127	J122-0227
	LL	-25°	4°	0.4	3.2	J122-0137	J122-0237
	LR	-25°	4°	0.4	3.2	J122-0147	J122-0247
MBT	UR	-14°	10°	0.4	3.2	J132-0117	J132-0217
	UL	-14°	10°	0.4	3.2	J132-0127	J132-0227
	LL	-10°	0°	0.4	3.2	J132-0137	J132-0237
	LR	-10°	0°	0.4	3.2	J132-0147	J132-0247
Edgewise	UR	0°	6°	0.4	3.2	J112-0117	J112-0217
	UL	0°	6°	0.4	3.2	J112-0127	J112-0227
	LL	0°	6°	0.4	3.2	J112-0117	J112-0217
	LR	0°	6°	0.4	3.2	J112-0127	J112-0227



# Bondable Buccal Tubes

## Single Bondable Tubes 3G □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	3.2	J124-0117	J124-0217
	UL	-14°	10°	0.4	3.2	J124-0127	J124-0227
	LL	-25°	4°	0.4	3.2	J124-0137	J124-0237
	LR	-25°	4°	0.4	3.2	J124-0147	J124-0247
MBT	UR	-14°	10°	0.4	3.2	J124-0117	J124-0217
	UL	-14°	10°	0.4	3.2	J124-0127	J124-0227
	LL	-10°	0°	0.4	3.2	J134-0137	J134-0237
	LR	-10°	0°	0.4	3.2	J134-0147	J134-0247
Edgewise	UR	0°	6°	0.4	3.2	J114-0117	J114-0217
	UL	0°	6°	0.4	3.2	J114-0127	J114-0227
	LL	0°	6°	0.4	3.2	J114-0137	J114-0237
	LR	0°	6°	0.4	3.2	J114-0147	J114-0247



## Single Bondable Tubes 4G □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	3.2	J125-0117	J125-0217
	UL	-14°	10°	0.4	3.2	J125-0127	J125-0227
	LL	-25°	4°	0.4	3.2	J125-0137	J125-0237
	LR	-25°	4°	0.4	3.2	J125-0147	J125-0247
MBT	UR	-14°	10°	0.4	3.2	J125-0117	J125-0217
	UL	-14°	10°	0.4	3.2	J125-0127	J125-0227
	LL	-10°	0°	0.4	3.2	J135-0137	J135-0237
	LR	-10°	0°	0.4	3.2	J135-0147	J135-0247
Edgewise	UR	0°	6°	0.4	3.2	J115-0117	J115-0217
	UL	0°	6°	0.4	3.2	J115-0127	J115-0227
	LL	0°	6°	0.4	3.2	J115-0137	J115-0237
	LR	0°	6°	0.4	3.2	J115-0147	J115-0247



## Monoblock Single Bondable Tubes □

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	UR	-14°	10°	0.4	3.2	J123-0117	J123-0217
	UL	-14°	10°	0.4	3.2	J123-0127	J123-0227
	LL	-25°	4°	0.4	3.2	J123-0137	J123-0237
	LR	-25°	4°	0.4	3.2	J123-0147	J123-0247
MBT	UR	-14°	10°	0.4	3.2	J123-0117	J123-0217
	UL	-14°	10°	0.4	3.2	J123-0127	J123-0227
	LL	-10°	0°	0.4	3.2	J133-0137	J133-0237
	LR	-10°	0°	0.4	3.2	J133-0147	J133-0247





# Bondable Buccal Tubes

## First Molar Bondable Buccal Tubes

### Single Bondable Tubes 1G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4	J121-11-61	J121-12-61	J121-01-61	J121-02-61
	Lower	-25°	4°	0.4	4				
MBT	Upper	-14°	10°	0.4	4	J131-11-61	J131-12-61	J131-01-61	J131-02-61
	Lower	-20°	0°	0.4	4				
Edgewise	Upper	0°	6°	0.4	4	J111-11-61	J111-12-61	J111-01-61	J111-02-61
	Lower	0°	6°	0.4	4				



### Single Bondable Tubes 2G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	4	J122-01-61	J122-02-61
	Lower	-25°	4°	0.4	4		
MBT	Upper	-14°	10°	0.4	4	J132-01-61	J132-02-61
	Lower	-20°	0°	0.4	4		
Edgewise	Upper	0°	6°	0.4	4	J112-01-61	J112-02-61
	Lower	0°	6°	0.4	4		



### Single Bondable Tubes 3G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	4	J124-01-61	J124-02-61
	Lower	-25°	4°	0.4	4		
MBT	Upper	-14°	10°	0.4	4	J134-01-61	J134-02-61
	Lower	-20°	0°	0.4	4		
Edgewise	Upper	0°	6°	0.4	4	J114-01-61	J114-02-61
	Lower	0°	6°	0.4	4		



### Single Bondable Tubes 4G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	4	J125-01-61	J125-02-61
	Lower	-25°	4°	0.4	4		
MBT	Upper	-14°	10°	0.4	4	J135-01-61	J135-02-61
	Lower	-20°	0°	0.4	4		
Edgewise	Upper	0°	6°	0.4	4	J115-01-61	J115-02-61
	Lower	0°	6°	0.4	4		



# Bondable Buccal Tubes

## Single Bondable Tubes 5G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	4	J126-01-61	J126-02-61
	Lower	-25°	4°	0.4	4		
MBT	Upper	-14°	10°	0.4	4	J136-01-61	J136-02-61
	Lower	-20°	0°	0.4	4		
Edgewise	Upper	0°	6°	0.4	4	J116-01-61	J116-02-61
	Lower	0°	6°	0.4	4		



## Monoblock Single Bondable Tubes □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	4	J123-01-61	J123-02-61
	Lower	-25°	4°	0.4	4		
MBT	Upper	-14°	10°	0.4	4	J133-01-61	J133-02-61
	Lower	-20°	0°	0.4	4		
Edgewise	Upper	0°	6°	0.4	4	J113-01-61	J113-02-61
	Lower	0°	6°	0.4	4		



## Standard Bondable Tubes ○□/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4	J221-11-61	J221-12-61	J221-01-61	J221-02-61
	Lower	-25°	4°	0.4	4				
MBT	Upper	-14°	10°	0.4	4	J231-11-61	J231-12-61	J231-01-61	J231-02-61
	Lower	-20°	0°	0.4	4				
Edgewise	Upper	0°	6°	0.4	4	J211-11-61	J211-12-61	J211-01-61	J211-02-61
	Lower	0°	6°	0.4	4				



## Triple Bondable Tubes ○□□/□□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.			
						Conv		N-conv	
						18	22	18	22
Roth	Upper	-14°	10°	0.4	4	J321-11-61	J321-12-61	J321-01-61	J321-02-61
	Lower	-25°	4°	0.4	4				
MBT	Upper	-14°	10°	0.4	4	J331-11-61	J331-12-61	J331-01-61	J331-02-61
	Lower	-20°	0°	0.4	4				
Edgewise	Upper	0°	6°	0.4	4	J311-11-61	J311-12-61	J311-01-61	J311-02-61
	Lower	0°	6°	0.4	4				



# Bondable Buccal Tubes

## Second Molar Bondable Buccal Tubes

### Single Bondable Tubes 1G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	3.2	J121-01-71	J121-02-71
	Lower	-25°	4°	0.4	3.2		
MBT	Upper	-14°	10°	0.4	3.2	J131-01-71	J131-02-71
	Lower	-10°	0°	0.4	3.2		
Edgewise	Upper	0°	6°	0.4	3.2	J111-01-71	J111-02-71
	Lower	0°	6°	0.4	3.2		



### Single Bondable Tubes 2G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	3.2	J122-01-71	J122-02-71
	Lower	-25°	4°	0.4	3.2		
MBT	Upper	-14°	10°	0.4	3.2	J132-01-71	J132-02-71
	Lower	-10°	0°	0.4	3.2		
Edgewise	Upper	0°	6°	0.4	3.2	J112-01-71	J112-02-71
	Lower	0°	6°	0.4	3.2		



### Single Bondable Tubes 3G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	3.2	J124-01-71	J124-02-71
	Lower	-25°	4°	0.4	3.2		
MBT	Upper	-14°	10°	0.4	3.2	J134-01-71	J134-02-71
	Lower	-10°	0°	0.4	3.2		
Edgewise	Upper	0°	6°	0.4	3.2	J114-01-71	J114-02-71
	Lower	0°	6°	0.4	3.2		



### Single Bondable Tubes 4G □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	3.2	J125-01-71	J125-02-71
	Lower	-25°	4°	0.4	3.2		
MBT	Upper	-14°	10°	0.4	3.2	J135-01-71	J135-02-71
	Lower	-10°	0°	0.4	3.2		
Edgewise	Upper	0°	6°	0.4	3.2	J115-01-71	J115-02-71
	Lower	0°	6°	0.4	3.2		



### Monoblock Single Bondable Tubes □/□ 4pcs/set

SYSTEM	Teeth	Torque	Offset	IN/OUT	Width	Item No.	
						N-conv	
						18	22
Roth	Upper	-14°	10°	0.4	3.2	J123-01-71	J123-02-71
	Lower	-25°	4°	0.4	3.2		
MBT	Upper	-14°	10°	0.4	3.2	J133-01-71	J133-02-71
	Lower	-10°	0°	0.4	3.2		



# Bondable Buccal Tubes

## Others Tubes



Buccal Tube With Horizontal Tie: Weldable, Bondable

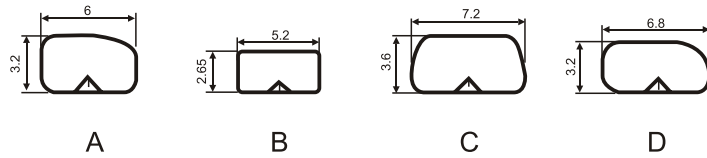


Begg Buccal Tubes: Weldable, Bondable



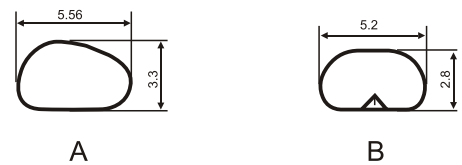
Bicuspid Buccal Tubes: Bondable

1st molar 80 mesh bottom size selections:



Usually Choose Size A

2nd molar 80 mesh bottom size selections:



Usually Choose Size A

## Package

50 sets / box (200pcs)

20 sets / box (80pcs)

4 pcs / set



# Bands



Bicuspid Bands



M Series Bands



G Series Bands



2nd Molar Bands

Molar Bands

53-57

Bands with Tubes

58-66

# Bands

Bicuspid bands

1st molar bands M series

1st molar bands G series

2nd molar bands

# Bands with Tubes

**Bicuspid band pre-welded with brackets**

**1st molar M series band pre-welded with tubes**

pre-welded with single tubes

pre-welded with double combination tubes

pre-welded with double rectangular tubes

pre-welded with triple tubes

**1st molar G series band pre-welded with tubes**

pre-welded with single tubes

pre-welded with double combination tubes

pre-welded with double rectangular tubes

pre-welded with triple tubes

**2nd molar band pre-welded with tubes**

pre-welded with single tubes

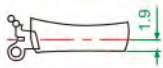
# Bands

## Bands:

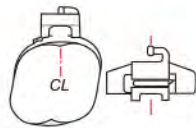
- 1, The shape of band accord to the shape of molar, using computer simulation technology to ensure fitting closely with the teeth;
- 2, Imported fine stainless steel material provide uniform thickness and moderate hardness;
- 3, Clear, permanent laser mark, never disappear and fade, easy to identify for dentists.
- 4, Involute edge provide a close fit with the teeth, enhance the stability, and prevent the loss of the adhesive and into particles;
- 5, Sandblasted inner surface increasing the contact area provide 40% more adhesive strength ;
- 6, Yahong band has four series: Bicuspid series, 1st molar M series, 1st molar G series, 2nd molar series .

## Preweld positioning

Maxillary

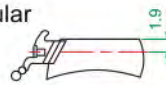


Occlusal gingiva positioning  
Center of edgewise slot nearest occlusal is 0.075 in.(1.9mm)

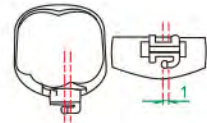


Centerline of buccal tube positioned on buccal indent  
From occlusal edge of band.  
Round tube mounted to occlusal

Mandibular



Occlusal gingiva 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.)

### Lingual Optional



### Buccal Optional



# Bands



## Bicuspid Bands

Size		Perimeter(mm)		Item NO.	
				Tooth	Tooth
		upper	lower	U45	L45
1	G	21	20.5	B5U-01	B5L-01
2	G+	21.6	21.1	B5U-02	B5L-02
3	H	22.2	21.6	B5U-03	B5L-03
4	H+	22.7	22.1	B5U-04	B5L-04
5	I	23.2	22.6	B5U-05	B5L-05
6	I+	23.7	23.3	B5U-06	B5L-06
7	J	24.2	24	B5U-07	B5L-07
8	J+	25	24.5	B5U-08	B5L-08
9	K	25.5	25	B5U-09	B5L-09
10	K+	26.5	26	B5U-10	B5L-10
11	L	27.5	27	B5U-11	B5L-11
12	L+	28	27.5	B5U-12	B5L-12
13	M	28.5	28	B5U-13	B5L-13
14	M+	29	28.5	B5U-14	B5L-14
15	N	29.5	29	B5U-15	B5L-15





## 1st Molar Bands M Series

TYPE	Perimeter(mm)		Item NO.			
			Tooth		Tooth	
	upper	lower	UR	UL	LL	LR
28	27.5	28	B6UR-280	B6UL-280	B6LL-280	B6LR-280
28+	28	28.5	B6UR-285	B6UL-285	B6LL-285	B6LR-285
29	28.5	29	B6UR-290	B6UL-290	B6LL-290	B6LR-290
29+	29	29.5	B6UR-295	B6UL-295	B6LL-295	B6LR-295
30	29.5	30	B6UR-300	B6UL-300	B6LL-300	B6LR-300
30+	30	30.5	B6UR-305	B6UL-305	B6LL-305	B6LR-305
31	30.5	31	B6UR-310	B6UL-310	B6LL-310	B6LR-310
31+	31	31.5	B6UR-315	B6UL-315	B6LL-315	B6LR-315
32	31.5	32	B6UR-320	B6UL-320	B6LL-320	B6LR-320
32+	32	32.5	B6UR-325	B6UL-325	B6LL-325	B6LR-325
33	32.5	33	B6UR-330	B6UL-330	B6LL-330	B6LR-330
33+	33	33.5	B6UR-335	B6UL-335	B6LL-335	B6LR-335
34	33.5	34	B6UR-340	B6UL-340	B6LL-340	B6LR-340
34+	34	34.5	B6UR-345	B6UL-345	B6LL-345	B6LR-345
35	34.5	35	B6UR-350	B6UL-350	B6LL-350	B6LR-350
35+	35	35.5	B6UR-355	B6UL-355	B6LL-355	B6LR-355
36	35.5	36	B6UR-360	B6UL-360	B6LL-360	B6LR-360
36+	36	36.5	B6UR-365	B6UL-365	B6LL-365	B6LR-365
37	36.5	37	B6UR-370	B6UL-370	B6LL-370	B6LR-370
37+	37	37.5	B6UR-375	B6UL-375	B6LL-375	B6LR-375
38	37.5	38	B6UR-380	B6UL-380	B6LL-380	B6LR-380
38+	38	38.5	B6UR-385	B6UL-385	B6LL-385	B6LR-385
39	38.5	39	B6UR-390	B6UL-390	B6LL-390	B6LR-390
39+	39	39.5	B6UR-395	B6UL-395	B6LL-395	B6LR-395
40	39.5	40	B6UR-400	B6UL-400	B6LL-400	B6LR-400
40+	40	40.5	B6UR-405	B6UL-405	B6LL-405	B6LR-405
41	40.5	41	B6UR-410	B6UL-410	B6LL-410	B6LR-410
41+	41	41.5	B6UR-415	B6UL-415	B6LL-415	B6LR-415
42	41.5	42	B6UR-420	B6UL-420	B6LL-420	B6LR-420
42+	42	42.5	B6UR-425	B6UL-425	B6LL-425	B6LR-425
43	42.5	43	B6UR-430	B6UL-430	B6LL-430	B6LR-430
43+	43	43.5	B6UR-435	B6UL-435	B6LL-435	B6LR-435
44	43.5	44	B6UR-440	B6UL-440	B6LL-440	B6LR-440



## 1st Molar Bands G Series

TYPE	Perimeter(mm)		Item NO.			
			Tooth		Tooth	
	upper	lower	UR	UL	LL	LR
1	29.75	29.75	B9UR-01	B9UL-01	B9LL-01	B9LR-01
2	30.5	30.5	B9UR-02	B9UL-02	B9LL-02	B9LR-02
3	31.25	31.25	B9UR-03	B9UL-03	B9LL-03	B9LR-03
4	31.75	31.75	B9UR-04	B9UL-04	B9LL-04	B9LR-04
5	32.25	32.25	B9UR-05	B9UL-05	B9LL-05	B9LR-05
6	32.75	32.75	B9UR-06	B9UL-06	B9LL-06	B9LR-06
7	33.5	33.4	B9UR-07	B9UL-07	B9LL-07	B9LR-07
8	34	33.9	B9UR-08	B9UL-08	B9LL-08	B9LR-08
9	34.5	34.3	B9UR-09	B9UL-09	B9LL-09	B9LR-09
10	34.9	34.7	B9UR-10	B9UL-10	B9LL-10	B9LR-10
11	35.3	35.1	B9UR-11	B9UL-11	B9LL-11	B9LR-11
12	35.7	35.4	B9UR-12	B9UL-12	B9LL-12	B9LR-12
13	36.1	35.75	B9UR-13	B9UL-13	B9LL-13	B9LR-13
14	36.5	36.1	B9UR-14	B9UL-14	B9LL-14	B9LR-14
15	36.9	36.4	B9UR-15	B9UL-15	B9LL-15	B9LR-15
16	37.3	36.8	B9UR-16	B9UL-16	B9LL-16	B9LR-16
17	37.7	37.2	B9UR-17	B9UL-17	B9LL-17	B9LR-17
18	38.1	37.6	B9UR-18	B9UL-18	B9LL-18	B9LR-18
19	38.4	38	B9UR-19	B9UL-19	B9LL-19	B9LR-19
20	38.7	38.4	B9UR-20	B9UL-20	B9LL-20	B9LR-20
21	39.1	38.8	B9UR-21	B9UL-21	B9LL-21	B9LR-21
22	39.5	39.2	B9UR-22	B9UL-22	B9LL-22	B9LR-22
23	39.9	39.6	B9UR-23	B9UL-23	B9LL-23	B9LR-23
24	40.3	40	B9UR-24	B9UL-24	B9LL-24	B9LR-24
25	40.7	40.4	B9UR-25	B9UL-25	B9LL-25	B9LR-25
26	41.1	40.8	B9UR-26	B9UL-26	B9LL-26	B9LR-26
27	41.5	41.2	B9UR-27	B9UL-27	B9LL-27	B9LR-27
28	41.9	41.75	B9UR-28	B9UL-28	B9LL-28	B9LR-28
29	42.3	42.5	B9UR-29	B9UL-29	B9LL-29	B9LR-29
30	42.7	43.25	B9UR-30	B9UL-30	B9LL-30	B9LR-30
31	43.1	44	B9UR-31	B9UL-31	B9LL-31	B9LR-31
32	43.5	44.5	B9UR-32	B9UL-32	B9LL-32	B9LR-32



## 2nd Molar Bands

TYPE	Perimeter(mm)		Item NO.			
			Tooth		Tooth	
	upper	lower	UR	UL	LL	LR
29	29.0	29.0	B7UR-290	B7UL-290	B7LL-290	B7LR-290
29+	29.5	29.5	B7UR-295	B7UL-295	B7LL-295	B7LR-295
30	30.0	30.0	B7UR-300	B7UL-300	B7LL-300	B7LR-300
30+	30.5	30.5	B7UR-305	B7UL-305	B7LL-305	B7LR-305
31	31.0	31.0	B7UR-310	B7UL-310	B7LL-310	B7LR-310
31+	31.5	31.5	B7UR-315	B7UL-315	B7LL-315	B7LR-315
32	32.0	32.0	B7UR-320	B7UL-320	B7LL-320	B7LR-320
32+	32.5	32.5	B7UR-325	B7UL-325	B7LL-325	B7LR-325
33	33.0	33.0	B7UR-330	B7UL-330	B7LL-330	B7LR-330
33+	33.5	33.5	B7UR-335	B7UL-335	B7LL-335	B7LR-335
34	34.0	34.0	B7UR-340	B7UL-340	B7LL-340	B7LR-340
34+	34.5	34.5	B7UR-345	B7UL-345	B7LL-345	B7LR-345
35	35.0	35.0	B7UR-350	B7UL-350	B7LL-350	B7LR-350
35+	35.5	35.5	B7UR-355	B7UL-355	B7LL-355	B7LR-355
36	36.0	36.0	B7UR-360	B7UL-360	B7LL-360	B7LR-360
36+	36.5	36.5	B7UR-365	B7UL-365	B7LL-365	B7LR-365
37	37.0	37.0	B7UR-370	B7UL-370	B7LL-370	B7LR-370
37+	37.5	37.5	B7UR-375	B7UL-375	B7LL-375	B7LR-375
38	38.0	38.0	B7UR-380	B7UL-380	B7LL-380	B7LR-380
38+	38.5	38.5	B7UR-385	B7UL-385	B7LL-385	B7LR-385
39	39.0	39.0	B7UR-390	B7UL-390	B7LL-390	B7LR-390
39+	39.5	39.5	B7UR-395	B7UL-395	B7LL-395	B7LR-395
40	40.0	40.0	B7UR-400	B7UL-400	B7LL-400	B7LR-400
40+	40.5	40.5	B7UR-405	B7UL-405	B7LL-405	B7LR-405
41	41.0	41.0	B7UR-410	B7UL-410	B7LL-410	B7LR-410
41+	41.5	41.5	B7UR-415	B7UL-415	B7LL-415	B7LR-415
42	42.0	42.0	B7UR-420	B7UL-420	B7LL-420	B7LR-420
42+	42.5	42.5	B7UR-425	B7UL-425	B7LL-425	B7LR-425

# Bands



## Bicuspid band pre-welded with brackets

SYSTEM	Teeth	Torque	Offset	Width	Item NO.	
					18	22
Roth	UR	-7°	0°	3.1	D512-01UR-SS	D512-02UR-SS
	UL	-7°	0°	3.1	D512-01UL-SS	D512-02UL-SS
	LL	-17°	0°	3.1	D512-01LL-SS	D512-02LL-SS
	LR	-17°	0°	3.1	D512-01LR-SS	D512-02LR-SS
Edgewise	UR	0°	0°	3.1	D511-01UR-SS	D511-02UR-SS
	UL	0°	0°	3.1	D511-01UL-SS	D511-02UL-SS
	LL	0°	0°	3.1	D511-01LL-SS	D511-02LL-SS
	LR	0°	0°	3.1	D511-01LR-SS	D511-02LR-SS
MBT	UR	-7°	0°	3.1	D513-01UR-SS	D513-02UR-SS
	UL	-7°	0°	3.1	D513-01UL-SS	D513-02UL-SS
	LL	-12°	0°	3.1	D513-01LL-SS	D513-02LL-SS
	LR	-12°	0°	3.1	D513-01LR-SS	D513-02LR-SS

## Bicuspid band pre-welded with brackets

SYSTEM	Teeth	Torque	Offset	Width	Item NO.	
					18	22
Roth	Upper	-7°	0°	3.1	D512-01-SS	D512-02-SS
	Lower	-17°	0°	3.1		
Edgewise	Upper	0°	0°	3.1	D511-01-SS	D511-02-SS
	Lower	0°	0°	3.1		
MBT	Upper	-7°	0°	3.1	D513-01-SS	D513-02-SS
	Lower	-12°	0°	3.1		

SS stands for band size



## 1ST Molar Band M Series Pre-welded With Tubes

Pre-welded With Single Tubes

Upper single/lower single



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D612-11UR-SS	D612-12UR-SS	D612-01UR-SS	D612-02UR-SS
	UL	-14°	10°	4	D612-11UL-SS	D612-12UL-SS	D612-01UL-SS	D612-02UL-SS
	LL	-25°	4°	4	D612-11LL-SS	D612-12LL-SS	D612-01LL-SS	D612-02LL-SS
	LR	-25°	4°	4	D612-11LR-SS	D612-12LR-SS	D612-01LR-SS	D612-02LR-SS
MBT	UR	-14°	10°	4	D613-11UR-SS	D613-12UR-SS	D613-01UR-SS	D613-02UR-SS
	UL	-14°	10°	4	D613-11UL-SS	D613-12UL-SS	D613-01UL-SS	D613-02UL-SS
	LL	-20°	0°	4	D613-11LL-SS	D613-12LL-SS	D613-01LL-SS	D613-02LL-SS
	LR	-20°	0°	4	D613-11LR-SS	D613-12LR-SS	D613-01LR-SS	D613-02LR-SS
Edgewise	UR	0°	6°	4	D611-11UR-SS	D611-12UR-SS	D611-01UR-SS	D611-02UR-SS
	UL	0°	6°	4	D611-11UL-SS	D611-12UL-SS	D611-01UL-SS	D611-02UL-SS
	LL	0°	6°	4	D611-11LL-SS	D611-12LL-SS	D611-01LL-SS	D611-02LL-SS
	LR	0°	6°	4	D611-11LR-SS	D611-12LR-SS	D611-01LR-SS	D611-02LR-SS

Pre-welded With Double Combination Tubes

Upper rectangular&round/lower single



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D622-11UR-SS	D622-12UR-SS	D622-01UR-SS	D622-02UR-SS
	UL	-14°	10°	4	D622-11UL-SS	D622-12UL-SS	D622-01UL-SS	D622-02UL-SS
	LL	-25°	4°	4	D622-11LL-SS	D622-12LL-SS	D622-01LL-SS	D622-02LL-SS
	LR	-25°	4°	4	D622-11LR-SS	D622-12LR-SS	D622-01LR-SS	D622-02LR-SS
MBT	UR	-14°	10°	4	D623-11UR-SS	D623-12UR-SS	D623-01UR-SS	D623-02UR-SS
	UL	-14°	10°	4	D623-11UL-SS	D623-12UL-SS	D623-01UL-SS	D623-02UL-SS
	LL	-20°	0°	4	D623-11LL-SS	D623-12LL-SS	D623-01LL-SS	D623-02LL-SS
	LR	-20°	0°	4	D623-11LR-SS	D623-12LR-SS	D623-01LR-SS	D623-02LR-SS
Edgewise	UR	0°	6°	4	D621-11UR-SS	D621-12UR-SS	D621-01UR-SS	D621-02UR-SS
	UL	0°	6°	4	D621-11UL-SS	D621-12UL-SS	D621-01UL-SS	D621-02UL-SS
	LL	0°	6°	4	D621-11LL-SS	D621-12LL-SS	D621-01LL-SS	D621-02LL-SS
	LR	0°	6°	4	D621-11LR-SS	D621-12LR-SS	D621-01LR-SS	D621-02LR-SS

SS stands for band size

# Molar Bands



Pre-welded With Double Rectangular Welding Tubes

Upper double rectangular/Lower double rectangular



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D642-11UR-SS	D642-12UR-SS	D642-01UR-SS	D642-02UR-SS
	UL	-14°	10°	4	D642-11UL-SS	D642-12UL-SS	D642-01UL-SS	D642-02UL-SS
	LL	-25°	4°	4	D642-11LL-SS	D642-12LL-SS	D642-01LL-SS	D642-02LL-SS
	LR	-25°	4°	4	D642-11LR-SS	D642-12LR-SS	D642-01LR-SS	D642-02LR-SS
MBT	UR	-14°	10°	4	D643-11UR-SS	D643-12UR-SS	D643-01UR-SS	D643-02UR-SS
	UL	-14°	10°	4	D643-11UL-SS	D643-12UL-SS	D643-01UL-SS	D643-02UL-SS
	LL	-20°	0°	4	D643-11LL-SS	D643-12LL-SS	D643-01LL-SS	D643-02LL-SS
	LR	-20°	0°	4	D643-11LR-SS	D643-12LR-SS	D643-01LR-SS	D643-02LR-SS
Edgewise	UR	0°	6°	4	D641-11UR-SS	D641-12UR-SS	D641-01UR-SS	D641-02UR-SS
	UL	0°	6°	4	D641-11UL-SS	D641-12UL-SS	D641-01UL-SS	D641-02UL-SS
	LL	0°	6°	4	D641-11LL-SS	D641-12LL-SS	D641-01LL-SS	D641-02LL-SS
	LR	0°	6°	4	D641-11LR-SS	D641-12LR-SS	D641-01LR-SS	D641-02LR-SS

Pre-welded With triple tubes

Upper round&double rectangular/lower double rectangular



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D632-11UR-SS	D632-12UR-SS	D632-01UR-SS	D632-02UR-SS
	UL	-14°	10°	4	D632-11UL-SS	D632-12UL-SS	D632-01UL-SS	D632-02UL-SS
	LL	-25°	4°	4	D632-11LL-SS	D632-12LL-SS	D632-01LL-SS	D632-02LL-SS
	LR	-25°	4°	4	D632-11LR-SS	D632-12LR-SS	D632-01LR-SS	D632-02LR-SS
MBT	UR	-14°	10°	4	D633-11UR-SS	D633-12UR-SS	D633-01UR-SS	D633-02UR-SS
	UL	-14°	10°	4	D633-11UL-SS	D633-12UL-SS	D633-01UL-SS	D633-02UL-SS
	LL	-20°	0°	4	D633-11LL-SS	D633-12LL-SS	D633-01LL-SS	D633-02LL-SS
	LR	-20°	0°	4	D633-11LR-SS	D633-12LR-SS	D633-01LR-SS	D633-02LR-SS
Edgewise	UR	0°	6°	4	D631-11UR-SS	D631-12UR-SS	D631-01UR-SS	D631-02UR-SS
	UL	0°	6°	4	D631-11UL-SS	D631-12UL-SS	D631-01UL-SS	D631-02UL-SS
	LL	0°	6°	4	D631-11LL-SS	D631-12LL-SS	D631-01LL-SS	D631-02LL-SS
	LR	0°	6°	4	D631-11LR-SS	D631-12LR-SS	D631-01LR-SS	D631-02LR-SS

SS stands for band size



## 1ST Molar Band M Series Pre-welded With Tubes

### Pre-welded With Single buccal Tubes

Upper single/lower single 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D612-11-SS	D612-12-SS	D612-01-SS	D612-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D613-11-SS	D613-12-SS	D613-01-SS	D613-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D611-11-SS	D611-12-SS	D611-01-SS	D611-02-SS
	Lower	0°	6°	4				

### Pre-welded With Double Combination buccal Tubes

Upper rectangular&round/lower single 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D622-11-SS	D622-12-SS	D622-01-SS	D622-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D623-11-SS	D623-12-SS	D623-01-SS	D623-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D621-11-SS	D621-12-SS	D621-01-SS	D621-02-SS
	Lower	0°	6°	4				

### Pre-welded With Double Rectangular buccal Tubes

Upper double rectangular/Lower double rectangular 4pcs/set

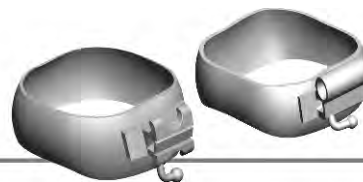
SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D642-11-SS	D642-12-SS	D642-01-SS	D642-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D643-11-SS	D643-12-SS	D643-01-SS	D643-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D641-11-SS	D641-12-SS	D641-01-SS	D641-02-SS
	Lower	0°	6°	4				

### Triple buccal Tubes

Upper round&double rectangular/lower double rectangular 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D632-11-SS	D632-12-SS	D632-01-SS	D632-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D633-11-SS	D633-12-SS	D633-01-SS	D633-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D631-11-SS	D631-12-SS	D631-01-SS	D631-02-SS
	Lower	0°	6°	4				

SS stands for band size



## 1ST Molar Band G Series Pre-welded With Tubes

Pre-welded With Single Weldable Tubes

Upper single/lower single



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D912-11UR-SS	D912-12UR-SS	D912-01UR-SS	D912-02UR-SS
	UL	-14°	10°	4	D912-11UL-SS	D912-12UL-SS	D912-01UL-SS	D912-02UL-SS
	LL	-25°	4°	4	D912-11LL-SS	D912-12LL-SS	D912-01LL-SS	D912-02LL-SS
	LR	-25°	4°	4	D912-11LR-SS	D912-12LR-SS	D912-01LR-SS	D912-02LR-SS
MBT	UR	-14°	10°	4	D913-11UR-SS	D913-12UR-SS	D913-01UR-SS	D913-02UR-SS
	UL	-14°	10°	4	D913-11UL-SS	D913-12UL-SS	D913-01UL-SS	D913-02UL-SS
	LL	-20°	0°	4	D913-11LL-SS	D913-12LL-SS	D913-01LL-SS	D913-02LL-SS
	LR	-20°	0°	4	D913-11LR-SS	D913-12LR-SS	D913-01LR-SS	D913-02LR-SS
Edgewise	UR	0°	6°	4	D911-11UR-SS	D911-12UR-SS	D911-01UR-SS	D911-02UR-SS
	UL	0°	6°	4	D911-11UL-SS	D911-12UL-SS	D911-01UL-SS	D911-02UL-SS
	LL	0°	6°	4	D911-11LL-SS	D911-12LL-SS	D911-01LL-SS	D911-02LL-SS
	LR	0°	6°	4	D911-11LR-SS	D911-12LR-SS	D911-01LR-SS	D911-02LR-SS

## Pre-welded With Double Combination Weldable Tubes

Upper rectangular&round/lower single



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D922-11UR-SS	D922-12UR-SS	D922-01UR-SS	D922-02UR-SS
	UL	-14°	10°	4	D922-11UL-SS	D922-12UL-SS	D922-01UL-SS	D922-02UL-SS
	LL	-25°	4°	4	D922-11LL-SS	D922-12LL-SS	D922-01LL-SS	D922-02LL-SS
	LR	-25°	4°	4	D922-11LR-SS	D922-12LR-SS	D922-01LR-SS	D922-02LR-SS
MBT	UR	-14°	10°	4	D923-11UR-SS	D923-12UR-SS	D923-01UR-SS	D923-02UR-SS
	UL	-14°	10°	4	D923-11UL-SS	D923-12UL-SS	D923-01UL-SS	D923-02UL-SS
	LL	-20°	0°	4	D923-11LL-SS	D923-12LL-SS	D923-01LL-SS	D923-02LL-SS
	LR	-20°	0°	4	D923-11LR-SS	D923-12LR-SS	D923-01LR-SS	D923-02LR-SS
Edgewise	UR	0°	6°	4	D921-11UR-SS	D921-12UR-SS	D921-01UR-SS	D921-02UR-SS
	UL	0°	6°	4	D921-11UL-SS	D921-12UL-SS	D921-01UL-SS	D921-02UL-SS
	LL	0°	6°	4	D921-11LL-SS	D921-12LL-SS	D921-01LL-SS	D921-02LL-SS
	LR	0°	6°	4	D921-11LR-SS	D921-12LR-SS	D921-01LR-SS	D921-02LR-SS

SS stands for band size





## Pre-welded With Double Rectangular Weldable Tubes

Upper double rectangular/Lower double rectangular



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D942-11UR-SS	D942-12UR-SS	D942-01UR-SS	D942-02UR-SS
	UL	-14°	10°	4	D942-11UL-SS	D942-12UL-SS	D942-01UL-SS	D942-02UL-SS
	LL	-25°	4°	4	D942-11LL-SS	D942-12LL-SS	D942-01LL-SS	D942-02LL-SS
	LR	-25°	4°	4	D942-11LR-SS	D942-12LR-SS	D942-01LR-SS	D942-02LR-SS
MBT	UR	-14°	10°	4	D943-11UR-SS	D943-12UR-SS	D943-01UR-SS	D943-02UR-SS
	UL	-14°	10°	4	D943-11UL-SS	D943-12UL-SS	D943-01UL-SS	D943-02UL-SS
	LL	-20°	0°	4	D943-11LL-SS	D943-12LL-SS	D943-01LL-SS	D943-02LL-SS
	LR	-20°	0°	4	D943-11LR-SS	D943-12LR-SS	D943-01LR-SS	D943-02LR-SS
Edgewise	UR	0°	6°	4	D941-11UR-SS	D941-12UR-SS	D941-01UR-SS	D941-02UR-SS
	UL	0°	6°	4	D941-11UL-SS	D941-12UL-SS	D941-01UL-SS	D941-02UL-SS
	LL	0°	6°	4	D941-11LL-SS	D941-12LL-SS	D941-01LL-SS	D941-02LL-SS
	LR	0°	6°	4	D941-11LR-SS	D941-12LR-SS	D941-01LR-SS	D941-02LR-SS

## Pre-welded With Triple Weldable Tubes

Upper round&double rectangular/lower double rectangular



SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	UR	-14°	10°	4	D932-11UR-SS	D932-12UR-SS	D932-01UR-SS	D932-02UR-SS
	UL	-14°	10°	4	D932-11UL-SS	D932-12UL-SS	D932-01UL-SS	D932-02UL-SS
	LL	-25°	4°	4	D932-11LL-SS	D932-12LL-SS	D932-01LL-SS	D932-02LL-SS
	LR	-25°	4°	4	D932-11LR-SS	D932-12LR-SS	D932-01LR-SS	D932-02LR-SS
MBT	UR	-14°	10°	4	D933-11UR-SS	D933-12UR-SS	D933-01UR-SS	D933-02UR-SS
	UL	-14°	10°	4	D933-11UL-SS	D933-12UL-SS	D933-01UL-SS	D933-02UL-SS
	LL	-20°	0°	4	D933-11LL-SS	D933-12LL-SS	D933-01LL-SS	D933-02LL-SS
	LR	-20°	0°	4	D933-11LR-SS	D933-12LR-SS	D933-01LR-SS	D933-02LR-SS
Edgewise	UR	0°	6°	4	D931-11UR-SS	D931-12UR-SS	D931-01UR-SS	D931-02UR-SS
	UL	0°	6°	4	D931-11UL-SS	D931-12UL-SS	D931-01UL-SS	D931-02UL-SS
	LL	0°	6°	4	D931-11LL-SS	D931-12LL-SS	D931-01LL-SS	D931-02LL-SS
	LR	0°	6°	4	D931-11LR-SS	D931-12LR-SS	D931-01LR-SS	D931-02LR-SS

SS stands for band size

# Molar Bands



## 1ST Molar Band G Series Pre-welded With Tubes

Pre-welded With Single buccal Tubes

Upper single/lower single 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D912-11-SS	D912-12-SS	D912-01-SS	D912-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D913-11-SS	D913-12-SS	D913-01-SS	D913-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D911-11-SS	D911-12-SS	D911-01-SS	D911-02-SS
	Lower	0°	6°	4				

## Pre-welded With Double Combination buccal Tubes

Upper rectangular&round/lower single 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D922-11-SS	D922-12-SS	D922-01-SS	D922-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D923-11-SS	D923-12-SS	D923-01-SS	D923-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D921-11-SS	D921-12-SS	D921-01-SS	D921-02-SS
	Lower	0°	6°	4				

## Pre-welded With Double Rectangular buccal Tubes

Upper double rectangular/Lower double rectangular 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D942-11-SS	D942-12-SS	D942-01-SS	D942-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D943-11-SS	D943-12-SS	D943-01-SS	D943-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D941-11-SS	D941-12-SS	D941-01-SS	D941-02-SS
	Lower	0°	6°	4				

## Pre-welded With Triple buccal Tubes

Upper round&double rectangular/lower double rectangular 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.			
					Conv		N-Conv	
					18	22	18	22
Roth	Upper	-14°	10°	4	D932-11-SS	D932-12-SS	D932-01-SS	D932-02-SS
	Lower	-25°	4°	4				
MBT	Upper	-14°	10°	4	D933-11-SS	D933-12-SS	D933-01-SS	D933-02-SS
	Lower	-20°	0°	4				
Edgewise	Upper	0°	6°	4	D931-11-SS	D931-12-SS	D931-01-SS	D931-02-SS
	Lower	0°	6°	4				

SS stands for band size



## 2nd Molar Band Pre-welded With Tubes

Pre-welded With Single Tubes

upper single/lower single



SYSTEM	Teeth	Torque	Offset	Width	Item NO.	
					18	22
Roth	UR	-14°	10°	3.2	D712-01UR-SS	D712-02UR-SS
	UL	-14°	10°	3.2	D712-01UL-SS	D712-02UL-SS
	LL	-25°	4°	3.2	D712-01LL-SS	D712-02LL-SS
	LR	-25°	4°	3.2	D712-01LR-SS	D712-02LR-SS
MBT	UR	-14°	10°	3.2	D713-01UR-SS	D713-02UR-SS
	UL	-14°	10°	3.2	D713-01UL-SS	D713-02UL-SS
	LL	-10°	0°	3.2	D713-01LL-SS	D713-02LL-SS
	LR	-10°	0°	3.2	D713-01LR-SS	D713-02LR-SS
Edgewise	UR	0°	6°	3.2	D711-01UR-SS	D711-02UR-SS
	UL	0°	6°	3.2	D711-01UL-SS	D711-02UL-SS
	LL	0°	6°	3.2	D711-01LL-SS	D711-02LL-SS
	LR	0°	6°	3.2	D711-01LR-SS	D711-02LR-SS

## Pre-welded With Single Tubes

upper single/lower single 4pcs/set

SYSTEM	Teeth	Torque	Offset	Width	Item NO.	
					18	22
Roth	Upper	-14°	10°	3.2	D712-01-SS	D712-02-SS
	Lower	-25°	4°	3.2		
MBT	Upper	-14°	10°	3.2	D713-01-SS	D713-02-SS
	Lower	-20°	0°	3.2		
Edgewise	Upper	0°	6°	3.2	D711-01-SS	D711-02-SS
	Lower	0°	6°	3.2		

SS stands for band size

## Prewelded Bands Coding Rule

D 6	1	2	1	1	UR	3	1	5	1
D6:M series band	1:single buccal	1:edgewise	1:Conv	1:0.018"	UR:upper right	band size :31+			1:lingual sheath
D9:G series band	2:double combination	2:roth	0:N-conv	2:0.022"	UL:upper left				2:lingual sheath with hook
D5:bicuspid band	3:triple buccal	3:mbt			LR:lower right				3:button
D7:2nd molar band	4:double rectangular				LL:lower left				4:lingual cleat big
									5:lingual cleat small
									6:lingual cleat seating lug

### M Series band G1 Package matching table

band size	28	28+	29	29+	30	30+	31	31+	32	32+	33	33+	34	34+	35	35+	36	36+	37	37+	38	38+	39	39+	40	40+	41	41+	42	42+	43	43+	44	
85 SET	1	1	1	1	1	1	2	2	2	2	2	2	4	4	5	5	5	5	5	5	5	5	5	4	4	2	2	1	1	1	1	1	1	1

### M Series band G2 Package matching table

band size	31	31+	32	32+	33	33+	34	34+	35	35+	36	36+	37	37+	38	38+	39	39+	40	40+	41	41+	42	42+	43	43+	44	
G2-A1 150 SET	3	3	4	5	6	7	8	9	10	11	11	11	10	10	9	7	6	5	3	3	3	1	1	1	1	1	1	1
G2-A2 300 SET	6	6	6	10	10	12	16	18	22	22	22	24	22	22	20	15	12	10	6	6	6	2	1	1	1	1	1	1

### G Series band G1 Package matching table

band size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
85 SET	1	1	1	1	1	1	2	2	2	2	2	2	2	4	5	5	5	5	5	5	5	5	5	4	4	2	2	1	1	1	1	1	1

### G Series band G2 Package matching table

band size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
G2-B1 100 SET	1	1	1	1	1	2	2	2	2	2	3	3	3	5	5	6	7	7	7	6	5	5	5	4	4	2	2	2	1	1	1	1	1

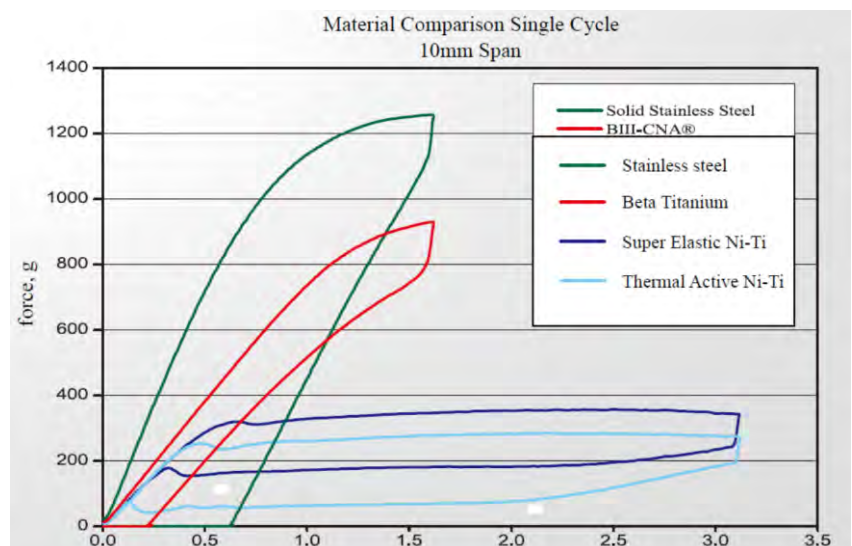


G1



G2

# Archwires & Springs

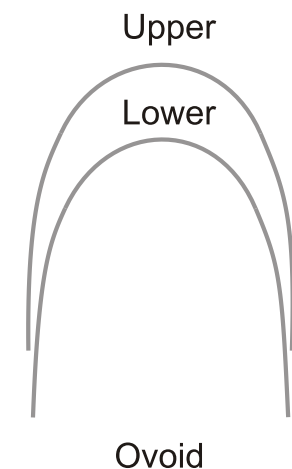
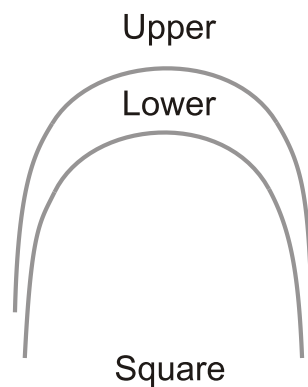


# Archwires

## Super Elastic NITI Archwire

Round	Size	Square	Ovoid	Natural
Upper	0.012" / 0.31mm	FN111-1U	FN112-1U	FN113-1U
	0.014" / 0.35mm	FN111-2U	FN112-2U	FN113-2U
	0.016" / 0.41mm	FN111-3U	FN112-3U	FN113-3U
	0.018" / 0.46mm	FN111-4U	FN112-4U	FN113-4U
	0.020" / 0.51mm	FN111-5U	FN112-5U	FN113-5U
Lower	0.012" / 0.31mm	FN111-1L	FN112-1L	FN113-1L
	0.014" / 0.35mm	FN111-2L	FN112-2L	FN113-2L
	0.016" / 0.41mm	FN111-3L	FN112-3L	FN113-3L
	0.018" / 0.46mm	FN111-4L	FN112-4L	FN113-4L
	0.020" / 0.51mm	FN111-5L	FN112-5L	FN113-5L

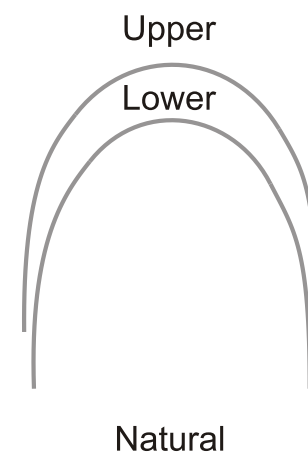
Rectangular	Size	Square	Ovoid	Natural
Upper	0.016x0.016" / 0.41x0.41mm	FN121-1U	FN122-1U	FN123-1U
	0.016x0.022" / 0.41x0.56mm	FN121-2U	FN122-2U	FN123-2U
	0.017x0.022" / 0.43x0.56mm	FN121-3U	FN122-3U	FN123-3U
	0.017x0.025" / 0.43x0.64mm	FN121-4U	FN122-4U	FN123-4U
	0.018x0.022" / 0.46x0.56mm	FN121-5U	FN122-5U	FN123-5U
	0.018x0.025" / 0.46x0.64mm	FN121-6U	FN122-6U	FN123-6U
	0.019x0.025" / 0.48x0.64mm	FN121-7U	FN122-7U	FN123-7U
	0.021x0.025" / 0.53x0.64mm	FN121-8U	FN122-8U	FN123-8U
Lower	0.016x0.016" / 0.41x0.41mm	FN121-1L	FN122-1L	FN123-1L
	0.016x0.022" / 0.41x0.56mm	FN121-2L	FN122-2L	FN123-2L
	0.017x0.022" / 0.43x0.56mm	FN121-3L	FN122-3L	FN123-3L
	0.017x0.025" / 0.43x0.64mm	FN121-4L	FN122-4L	FN123-4L
	0.018x0.022" / 0.46x0.56mm	FN121-5L	FN122-5L	FN123-5L
	0.018x0.025" / 0.46x0.64mm	FN121-6L	FN122-6L	FN123-6L
	0.019x0.025" / 0.48x0.64mm	FN121-7L	FN122-7L	FN123-7L
	0.021x0.025" / 0.53x0.64mm	FN121-8L	FN122-8L	FN123-8L



## Thermal Active NITI Archwire

Round	Size	Square	Ovoid	Natural
Upper	0.012" / 0.31mm	FN211-1U	FN212-1U	FN213-1U
	0.014" / 0.35mm	FN211-2U	FN212-2U	FN213-2U
	0.016" / 0.41mm	FN211-3U	FN212-3U	FN213-3U
	0.018" / 0.46mm	FN211-4U	FN212-4U	FN213-4U
	0.020" / 0.51mm	FN211-5U	FN212-5U	FN213-5U
Lower	0.012" / 0.31mm	FN211-1L	FN212-1L	FN213-1L
	0.014" / 0.35mm	FN211-2L	FN212-2L	FN213-2L
	0.016" / 0.41mm	FN211-3L	FN212-3L	FN213-3L
	0.018" / 0.46mm	FN211-4L	FN212-4L	FN213-4L
	0.020" / 0.51mm	FN211-5L	FN212-5L	FN213-5L

Rectangular	Size	Square	Ovoid	Natural
Upper	0.016x0.016" / 0.41x0.41mm	FN221-1U	FN222-1U	FN223-1U
	0.016x0.022" / 0.41x0.56mm	FN221-2U	FN222-2U	FN223-2U
	0.017x0.022" / 0.43x0.56mm	FN221-3U	FN222-3U	FN223-3U
	0.017x0.025" / 0.43x0.64mm	FN221-4U	FN222-4U	FN223-4U
	0.018x0.022" / 0.46x0.56mm	FN221-5U	FN222-5U	FN223-5U
	0.018x0.025" / 0.46x0.64mm	FN221-6U	FN222-6U	FN223-6U
	0.019x0.025" / 0.48x0.64mm	FN221-7U	FN222-7U	FN223-7U
	0.021x0.025" / 0.53x0.64mm	FN221-8U	FN222-8U	FN223-8U
Lower	0.016x0.016" / 0.41x0.41mm	FN221-1L	FN222-1L	FN223-1L
	0.016x0.022" / 0.41x0.56mm	FN221-2L	FN222-2L	FN223-2L
	0.017x0.022" / 0.43x0.56mm	FN221-3L	FN222-3L	FN223-3L
	0.017x0.025" / 0.43x0.64mm	FN221-4L	FN222-4L	FN223-4L
	0.018x0.022" / 0.46x0.56mm	FN221-5L	FN222-5L	FN223-5L
	0.018x0.025" / 0.46x0.64mm	FN221-6L	FN222-6L	FN223-6L
	0.019x0.025" / 0.48x0.64mm	FN221-7L	FN222-7L	FN223-7L
	0.021x0.025" / 0.53x0.64mm	FN221-8L	FN222-8L	FN223-8L

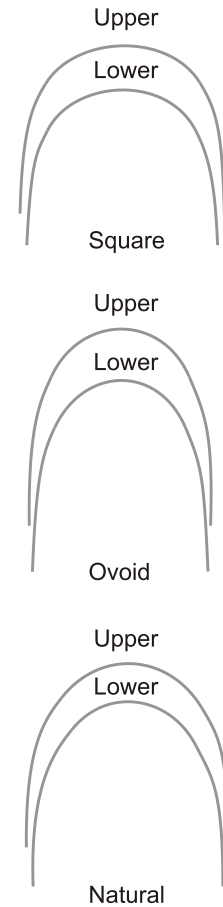


# Archwires

## Stainless Steel Archwire

Round	Size	Square	Ovoid	Natural
Upper	0.012" / 0.31mm	FN411-1U	FN412-1U	FN413-1U
	0.014" / 0.35mm	FN411-2U	FN412-2U	FN413-2U
	0.016" / 0.41mm	FN411-3U	FN412-3U	FN413-3U
	0.018" / 0.46mm	FN411-4U	FN412-4U	FN413-4U
	0.020" / 0.51mm	FN411-5U	FN412-5U	FN413-5U
Lower	0.012" / 0.31mm	FN411-1L	FN412-1L	FN413-1L
	0.014" / 0.35mm	FN411-2L	FN412-2L	FN413-2L
	0.016" / 0.41mm	FN411-3L	FN412-3L	FN413-3L
	0.018" / 0.46mm	FN411-4L	FN412-4L	FN413-4L
	0.020" / 0.51mm	FN411-5L	FN412-5L	FN413-5L

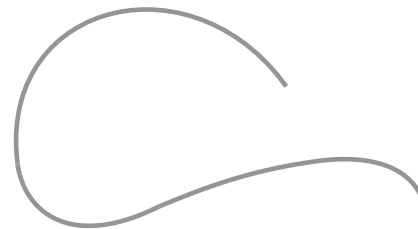
Rectangular	Size	Square	Ovoid	Natural
Upper	0.016x0.016" / 0.41x0.41mm	FN421-1U	FN422-1U	FN423-1U
	0.016x0.022" / 0.41x0.56mm	FN421-2U	FN422-2U	FN423-2U
	0.017x0.022" / 0.43x0.56mm	FN421-3U	FN422-3U	FN423-3U
	0.017x0.025" / 0.43x0.64mm	FN421-4U	FN422-4U	FN423-4U
	0.018x0.022" / 0.46x0.56mm	FN421-5U	FN422-5U	FN423-5U
	0.018x0.025" / 0.46x0.64mm	FN421-6U	FN422-6U	FN423-6U
	0.019x0.025" / 0.48x0.64mm	FN421-7U	FN422-7U	FN423-7U
	0.021x0.025" / 0.53x0.64mm	FN421-8U	FN422-8U	FN423-8U
Lower	0.016x0.016" / 0.41x0.41mm	FN421-1L	FN422-1L	FN423-1L
	0.016x0.022" / 0.41x0.56mm	FN421-2L	FN422-2L	FN423-2L
	0.017x0.022" / 0.43x0.56mm	FN421-3L	FN422-3L	FN423-3L
	0.017x0.025" / 0.43x0.64mm	FN421-4L	FN422-4L	FN423-4L
	0.018x0.022" / 0.46x0.56mm	FN421-5L	FN422-5L	FN423-5L
	0.018x0.025" / 0.46x0.64mm	FN421-6L	FN422-6L	FN423-6L
	0.019x0.025" / 0.48x0.64mm	FN421-7L	FN422-7L	FN423-7L
	0.021x0.025" / 0.53x0.64mm	FN421-8L	FN422-8L	FN423-8L



## Reverse Curve NITI Archwire

Round	Size	Item NO.
Upper	0.012" / 0.31mm	FN311-1U
	0.014" / 0.35mm	FN311-2U
	0.016" / 0.41mm	FN311-3U
	0.018" / 0.46mm	FN311-4U
	0.020" / 0.51mm	FN311-5U
Lower	0.012" / 0.31mm	FN311-1L
	0.014" / 0.35mm	FN311-2L
	0.016" / 0.41mm	FN311-3L
	0.018" / 0.46mm	FN311-4L
	0.020" / 0.51mm	FN311-5L

Rectangular	Size	Item NO.
Upper	0.016x0.016" / 0.41x0.41mm	FN221-1U
	0.016x0.022" / 0.41x0.56mm	FN221-2U
	0.017x0.022" / 0.43x0.56mm	FN221-3U
	0.017x0.025" / 0.43x0.64mm	FN221-4U
	0.018x0.022" / 0.46x0.56mm	FN221-5U
	0.018x0.025" / 0.46x0.64mm	FN221-6U
	0.019x0.025" / 0.48x0.64mm	FN221-7U
	0.021x0.025" / 0.53x0.64mm	FN221-8U
Lower	0.016x0.016" / 0.41x0.41mm	FN221-1L
	0.016x0.022" / 0.41x0.56mm	FN221-2L
	0.017x0.022" / 0.43x0.56mm	FN221-3L
	0.017x0.025" / 0.43x0.64mm	FN221-4L
	0.018x0.022" / 0.46x0.56mm	FN221-5L
	0.018x0.025" / 0.46x0.64mm	FN221-6L
	0.019x0.025" / 0.48x0.64mm	FN221-7L
	0.021x0.025" / 0.53x0.64mm	FN221-8L



# Archwires & Springs

## NITI Springs

Type	Specification	Size		Package
		0.010" / 0.25mm	0.012" / 0.31mm	
Open Spring	180mm	FH02-1018	FH02-1218	2x1



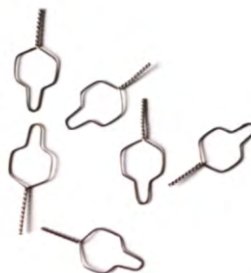
## Close Spring With Eye-let

Type	Specification	Size		Package
		0.010" / 0.25mm	0.012" / 0.31mm	
Close Spring	6mm	FH03-1006	FH03-1206	10x1
	9mm	FH03-1009	FH03-1209	
	12mm	FH03-1012	FH03-1212	



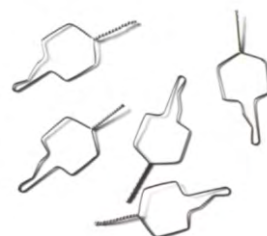
## Stainless Steel Ligature Ties

Size	Item No.	Package	REMARK
0.010	FS01-01	100*1	with hooks for elastics
0.012	FS01-02	100*1	



## Stainless Steel Kobayashi Ties

Size	Item No.	Package	REMARK
0.010	FS02-01	100*1	with hooks for elastics
0.012	FS02-02	100*1	



## Coated Archwires

Available for Super Elastic, Thermal Active and Stainless Steel archwires

Red

Yellow

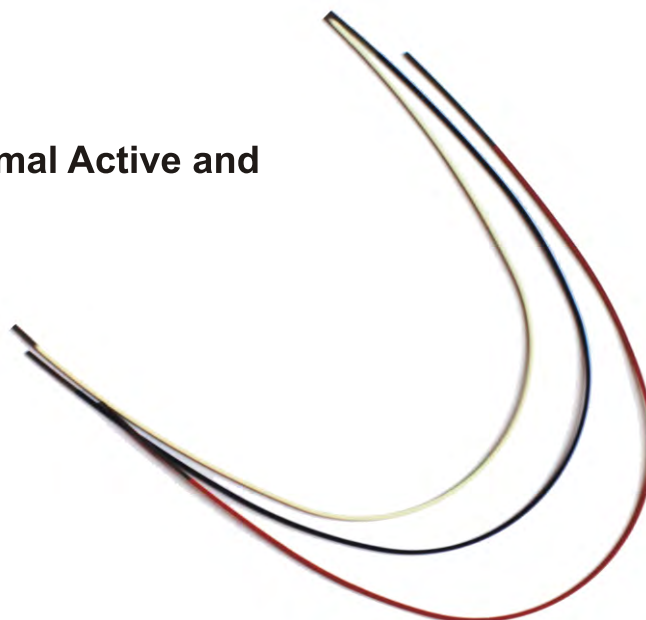
Blue

Green

Cyan

Orange

Purple





# Elastic-Ring



## Elastic-Ring

Ligature tie

Power chain

Separators

O-rings

Torsion pad

Ligature gun

# ElasticRing

## Ligature tie

Color	ITEM NO. TYPE T	Package
	Blue FE12-01	38*26 988pcs/bag
	Baby blue FE12-02	
	Sky blue FE12-03	
	Black FE12-04	
	Spring green FE12-05	
	Dark green FE12-06	
	Forest green FE12-07	
	Glass green FE12-08	
	Orange FE12-09	
	Deep yellow FE12-10	
	White FE12-11	
	Clear FE12-12	
	Silver FE12-13	
	Brown FE12-14	
	Golden FE12-15	
	Banana yellow FE12-16	
	Yellow FE12-17	
	Deep purple FE12-18	

Color	ITEM NO. TYPE T	Package
	Light violet FE12-19	38*26 988pcs/bag
	Neon purple FE12-20	
	Light pink FE12-21	
	Hot pink FE12-22	
	Red FE12-23	
	Dark red FE12-24	
	Apple green FE12-25	
	Turquoise FE12-26	
	Lake blue FE12-27	
	Rust red FE12-28	
	Dark blue FE12-29	
	Prussian blue FE12-30	
	Slate blue FE12-31	
	Bright green FE12-32	
	Periwinkle FE12-33	
	Deep black FE12-34	
	Deep pink FE12-35	
	Coral FE12-36	

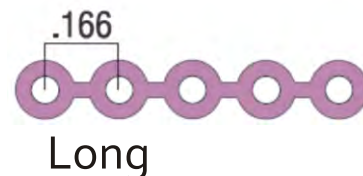
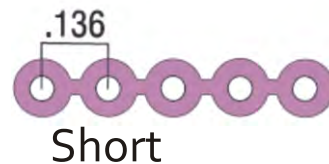
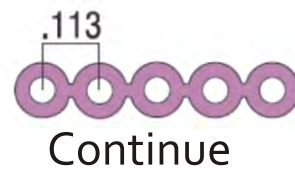



## Power chain

Color	ITEM NO.		
	long	short	continue
Blue	FE21-01	FE22-01	FE23-01
Baby blue	FE21-02	FE22-02	FE23-02
Sky blue	FE21-03	FE22-03	FE23-03
Black	FE21-04	FE22-04	FE23-04
Spring green	FE21-05	FE22-05	FE23-05
Dark green	FE21-06	FE22-06	FE23-06
Forest green	FE21-07	FE22-07	FE23-07
Glass green	FE21-08	FE22-08	FE23-08
Orange	FE21-09	FE22-09	FE23-09
Deep yellow	FE21-10	FE22-10	FE23-10
White	FE21-11	FE22-11	FE23-11
Clear	FE21-12	FE22-12	FE23-12
Silver	FE21-13	FE22-13	FE23-13
Brown	FE21-14	FE22-14	FE23-14
Golden	FE21-15	FE22-15	FE23-15
Banana yellow	FE21-16	FE22-16	FE23-16
Yellow	FE21-17	FE22-17	FE23-17
Deep purple	FE21-18	FE22-18	FE23-18
Light violet	FE21-19	FE22-19	FE23-19
Neon purple	FE21-20	FE22-20	FE23-20
Light pink	FE21-21	FE22-21	FE23-21
Hot pink	FE21-22	FE22-22	FE23-22
Red	FE21-23	FE22-23	FE23-23
Dark red	FE21-24	FE22-24	FE23-24



15 feet / roll



# ElasticRing

## Separators

Color	ITEM NO.	Package
	TYPE S	
Blue	FE32-01	720pcs/bag

Type S

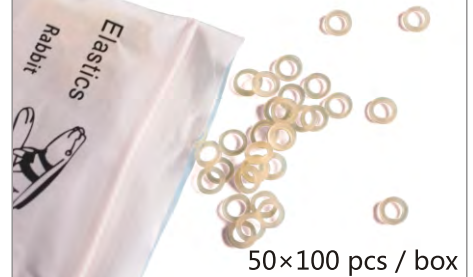


720 pcs / bag

## O-rings

SIZE	light	Medium	Heavy
	3.5OZ/71g	5OZ/99g	6.5OZ/128g
1/8" (3.2mm)	FE41-001	FE41-002	FE41-003
3/16" (4.8mm)	FE41-011	FE41-012	FE41-013
1/4" (6.4mm)	FE41-021	FE41-022	FE41-023
5/16" (8mm)	FE41-031	FE41-032	FE41-033
3/8" (9.5mm)	FE41-041	FE41-042	FE41-043

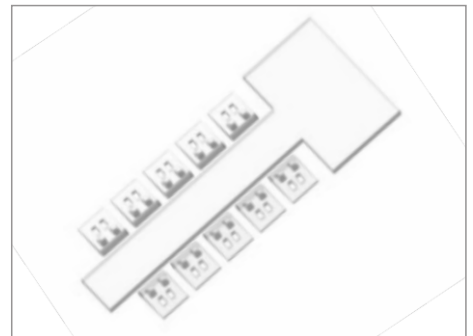
Size 1/8" 3/16" 1/4" 5/16" 3/8"



50×100 pcs / box

## Torsion Pad

Color	ITEM NO.	Package
	TYPE T	
TranSPARENT	FE51-01	4*1














## Ligature Gun

Color	ITEM NO.	Package
Bule	FE00-01	1*1
Silver	FE00-02	1*1



# Inside Oral Cavity

## Crimpable hook

Specification	Item No.	package	Remark	
Universal crimpable split stops	F051-01	10*1		
Crimpable MINI stops (large)0.8	F051-02	10*1	fixed on the arch wire to keep it from moving. length 2mm	
Crimpable MINI stops (small)0.5	F051-03	10*1		
Universal sliding ball hook	F052-01	10*1		L { 2.1 2.7 3.1 common 5.5 7.0
Crimpable hook square	F053-01	10*1	L { 1.8 2.1 common 4 5.5 7	
Crimpable hook round	F053-02	10*1		
Sliding crimpable hook left	F054-01	10*1	L { 1.65 2.4 5.4 common	
Sliding crimpable hook right	F054-02	10*1		
Long curved crimpable hook left	F055-01	10*1	L { 4.5 5.3 7 common	
Long curved crimpable hook right	F055-02	10*1		
Crimpable double tubes	F056-01	10*1	fixed on the arch wire to facilitate other accessories	
Crimpable cross tubes	F056-02	10*1		

# Inside Oral Cavity

## Lingual buttons

Specification	Item No.	Package	Remark		
Weldable round	F011-01	10*1	mushroom shaped headlock button and base has arched contour		
Weldable rectangular	F011-02	10*1			
Bondable round	F012-01	10*1			
Bondable rectangular	F012-02	10*1			
Bondable hole	F012-03	10*1			
Weldable lingual cleat small	F021-10	10*1		mainly used to preweld the bands	
Weldable lingual cleat big	F022-10	10*1			
Bondable lingual cleat small	F022-11	10*1	Can be directly bonded on tooth surface, a traction with its resistance		
Traction hook - round	F023-01	10*1			
Traction hook- rectangular	F023-02	10*1			
Button chain	F023-11	2*1			
Direct bond eyelet round	F024-01	10*1			
Direct bond eyelet rectangular	F024-02	10*1			
Bite opener	F025-01	10*1		Eliminates detrimental forces. Discourages over-active muscle activity. Bonds to upper or lower arches. 80 gauge foil mesh bonding base. 17-4SS.	

# Inside Oral Cavity



## Lingual Retainer Bonding splints

Specification	Item No.	package	Remark
Maxillary U38	F031-38	2*1	Mainly applied to maintain the effect after the orthodontic treatment
Maxillary U40	F031-40	2*1	
Maxillary U42	F031-42	2*1	
Maxillary U45	F031-45	2*1	
Maxillary U47	F031-47	2*1	
Mandibular L29	F032-29	2*1	
Mandibular L31	F032-31	2*1	
Mandibular L33	F032-33	2*1	
Mandibular L35	F032-35	2*1	
Mandibular L37	F032-37	2*1	

## Lingual Sheath



Specification	Item No.	package	Remark
no hook no slot	F041-01	10*1	Pre-weld on the band to go with the palatal bars
no hook w/slot	F041-02	10*1	
mesial w/hook no slot	F042-01	10*1	
distal w/hook no slot	F042-02	10*1	
distal w/hook w/slot	F043-01	10*1	
mesial w/hook w/slot	F043-02	10*1	

## Expansion Screw



Size	Item No.	package	Remark
Standard	FPE1-1001	1*1	The products are mainly used in dentistry dentition orthodontic arch extensions for arch stenosis and posterior crossbite patients.
8mm	FPE1-1008	1*1	
9mm	FPE1-1009	1*1	
11mm	FPE1-1011	1*1	
13mm	FPE1-1013	1*1	

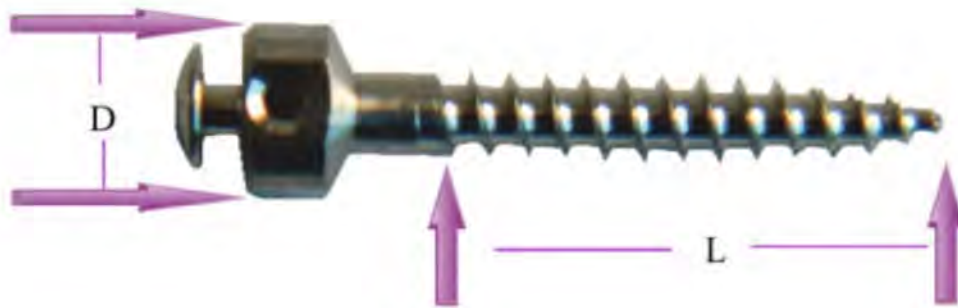
# Inside Oral Cavity

## Micro Implant

### Self-Drilling Thread , Temporary Anchorage Device System

YAHONG's unique design for micro implant is self-drilling and self-tapping. Due to the design of the conical thread, drilling is eliminated in most areas of the mouth. In areas of high bone density, it may be necessary to utilize the 1.1mm drill provided to penetrate the cortical plate.

Size	Item. No.		
	L 6mm	L 8mm	L 10mm
DIAMETER 1.4MM	FMI-1406	FMI-1408	
DIAMETER 1.6MM	FMI-1606	FMI-1608	FMI-1610
DIAMETER 2MM	FMI-2006	FMI-2008	FMI-2010



There are two optional materials: titanium, stainless steel.  
Other customized micro implant are available.





# Outside Oral Cavity

## ***Intraoral cheek retractor***

Specification	Item No.	package	REMARK
clear supper	F071-01	10*1	1.great for initial bonding giving you a full view of anterior and posterior teeth. 2.breakage resistant. 3.autoclavable up to 130°C.
clear adult	F071-02	10*1	
clear child	F071-03	10*1	
bule supper	F071-04	10*1	
bule adult	F071-05	10*1	
bule child	F071-06	10*1	



## ***Occlusal cheek retractor***

Specification	Item No.	package	REMARK
supper	F072-01	2*1	1.designed with one end to hold the cheek away and the other end to hold the entire lip away for an improved intraoral photography 2.autoclavable up to 130°C 3.ultra-smooth surface for maximum patient's comfort
adult	F072-02	2*1	



## ***Intraoral cheek retractor with tongue depressor***

Specification	Item No.	package	REMARK
clear large	F073-01	2*1	1.great for initial bonding to provide you with maximum view for the whole teeth 2.tongue depressor ensure field dryness 3.breakage resistant crystal clear plastic tray 4.autoclavable up to 130°C 5.ultra-smooth surface for maximum patient's comfort
clear medium	F073-02	2*1	
clear small	F073-03	2*1	
bule large	F073-04	2*1	
bule medium	F073-05	2*1	
bule small	F073-06	2*1	



## ***lip ring retractor***

Specification	Item No.	package	REMARK
standard bule	F074-01	10*1	1.great protection for lips during interproximal stripping 2.cold sterilizable 3.high medical grade plastic 4.universal size for children and adults
standard white	F074-02	10*1	
standard red	F074-03	10*1	



## ***Super cheek retractor***

Specification	Item No.	package	REMARK
standard bule	F075-01	1*1	1.this retractor has an extra wings to push the cheek further away from buccal dentition 2 auto clavable up to 270° F (132°C) 3.Ultra-smooth surface for maximum patient's comfort
standard white	F075-02	1*1	



## ***Both sides cheek retractor***

Specification	Item No.	package	REMARK
bule	F076-01	2*1	1.designed with one end to hold the cheek away and the other end to hold the entire lip away for an improved intraoral photography 2.autoclavable up to 130°C 3.ultra-smooth surface for maximum patient's comfort
white	F076-02	2*1	



# Outside Oral Cavity

## Photo Mirror Set

### Metal

Specification	Item No.	package	REMARK
lingual	F081-01	1*1	Mirrors for intraoral camera makes use. Products for the single or double-sided coating
buccal	F081-02	1*1	
adult occlusal	F081-03	1*1	
child occlusal	F081-04	1*1	



### Glass

Specification	Item No.	package	REMARK
lingual	F082-01	1*1	Mirrors for intraoral camera makes use. Products for the double-sided coating
buccal	F082-02	1*1	
occlusal-Adult	F082-03	1*1	
occlusal-XL Adult	F082-04	1*1	
occlusal M	F082-05	1*1	



## Denture box

Specification	Item No.	package	REMARK
white	F121-01	1*1	PP Madical grade
yellow	F121-02	1*1	
green	F121-03	1*1	
blue	F121-04	1*1	
pink	F121-05	1*1	



## Mixing bowls

Specification	Item No.	package	REMARK
big	F131-01	1*1	Material: TPE MEDICAL GRADE Color: Blue
medium	F131-02	1*1	
small	F131-03	1*1	



## Spatular

Specification	Item No.	package	REMARK
big	F141-01	1*1	Material: TPE MEDICAL GRADE Color: white yellow Blue pink
medium	F141-02	1*1	
small	F141-03	1*1	



# Outside Oral Cavity

## Face bow

Specification	Item No.	package	REMARK
w/cuspid hook 83mm	F061-01	1*1	can with stand 8N pull force,used together with the buccal tubes and the outside headgear to provide extra anchorage during the orthodontic treatment.
w/cuspid hook 90mm	F061-02	1*1	
w/cuspid hook 97mm	F061-03	1*1	
w/cuspid hook 104mm	F061-04	1*1	
w/cuspid hook 111mm	F061-05	1*1	
universal	F062-01	1*1	



## Forward pull headgear

Specification	Item No.	package	REMARK
single bar	F091-01	1*1	with forehead and chin cup, provide heavy force for class III cases.
double bars	F091-02	1*1	Mesial Movement of laterals in upper and lower jaw. Movement of groups of teeth in the arch. Protraction of anterior segments.
universal	F091-03	1*1	Mesial movement of laterals in upper and lower jaw. Movement of groups of teeth in the arch. Adjustable protraction of anterior segments.



## Chin cup

Specification	Item No.	package	REMARK
type I leather	F092-01	1*1	Two hooks can bear the tension of 10N to provide anchorage, used together with headgear.
type II cotton	F092-02	1*1	



## J hook

Specification	Item No.	package	REMARK
type I	F093-01	2*1	With bicuspid hook
type II	F093-02	2*1	Without bicuspid hook



# Outside Oral Cavity

## Safety Module

Specification	Item No.	package	REMARK
light	F101-01	2*1	It' ll slide open when the outer force surpasses 2kg
heavy	F101-02	2*1	



## Neck Safety strap

Specification	Item No.	package	REMARK
long heavy	F102-01	1*1	Above 25N when subjected to external forces, safety belt neck collar will automatically disengage.
long light	F102-02	1*1	
short heavy	F102-03	1*1	
short light	F102-04	1*1	



## High Pull Headgear

Specification	Item No.	package	REMARK
big	F103-01	1*1	Consists of headgear and safety modules, used with chin cup, face bow, J hook and other accessories
medium	F103-02	1*1	
small	F103-03	1*1	



## Combination Headgear

Specification	Item No.	package	REMARK
big	F104-01	1*1	Consists of Headgear and safety modules. cooperated with face bow, J hooks and other accessories
medium	F104-02	1*1	
small	F104-03	1*1	



## Mandibular Headgear

Specification	Item No.	package	REMARK
big	F105-01	1*1	To correct malocclusion, special for Angle class III
medium	F105-02	1*1	
small	F105-03	1*1	



# PLIERS & TOOLS



Orthodontic pliers

84-88

Orthodontic tools

89-90

# Orthodontic pliers



## Light wire plier

**With cutter**

**Item No.: FC01-01 Package: 1\*1**

suitable for all different sizes of delicate loops and springs. cutting edge, in the middle part of the bird beak, is stiff and sharp. it can be used to cut surplus wire, for round wires not up to 0.6mm and rectangular wires not up to 0.56\*0.71mm



## Light wire plier

**Without cutter**

**Item No.: FC01-02 Package: 1\*1**

suitable for all different sizes of delicate loops and springs. for round wires not up to 0.6mm and rectangular wires not up to 0.56\*0.71mm



## Distal end cutter

**Standard**

**Item No.: FC02-01 Package: 1\*1**

suitable for cutting the end of longer wires.the beak is in special form so that wire ends will not shoot out to the mouth but stay at the beak. For wire not up to 0.56\*0.71mm



## Distal end cutter

**King-size**

**Item No.: FC02-02 Package: 1\*1**

suitable for cutting the end of longer wires.the beak is in special form so that wire ends will not shoot out to the mouth but stay at the beak. For wire not up to 0.56\*0.71mm



## Distal end cutter

**Flush**

**Item No.: FC02-03 Package: 1\*1**

it's special "U" tips can be used to truncate the long end of wires parallel to tubes.its cutting capacity:0.016"-0.018\*0.022"



## Ligature cutter

**With spring lamination**

**Item No.: FC03-01 Package: 1\*1**

the inner side of the handles is built with spring lamination so that the cutter remains natural open condition and it is convenient to use .it can be used to cut ligature wires and rubber bands less than 0.4mm, it is prohibited to cut hard wires.



## Ligature cutter

**Standard**

**Item No.: FC03-02 Package: 1\*1**

the inner side of the handles is built with spring lamination so that the cutter remains natural open condition and it is convenient to use .it can be used to cut ligature wires and rubber bands less than 0.4mm, it is prohibited to cut hard wires.



## Ligature cutter

**King-size**

**Item No.: FC03-03 Package: 1\*1**

the inner side of the handles is built with spring lamination so that the cutter remains natural open condition and it is convenient to use .it can be used to cut ligature wires and rubber bands less than 0.4mm, it is prohibited to cut hard wires.



## Ligature cutter

**Lingual ligature cutter**

**Item No.: FC03-04 Package: 1\*1**

curved blade.it is used to the lingual orthodontics and to cut the flexible ligature or rubber.the maximum cutting capacity is 0.41mm.(it is prohibited to cut hard wires.)

# Orthodontic pliers



**Heavy wire cutter** *Heavy wire cutter*  
*Item No.: FC04-01 Package: 1\*1*  
for hard wires. it's used to cut the hard wire and Niti wire under 0.8mm.



**Torque bending plier** *Twin heads with torque template*  
*Item No.: FC05-01 Package: 1\*1*  
for applying torque to a specific part of edgewise wire, used with torque template. Torque template size 0.019\*0.022".



**Torque bending plier** *Torque bending plier*  
*Item No.: FC05-02 Package: 1\*1*  
for applying torque to edgewise, often used in pairs, for hard wires not up to 0.56\*0.71mm



**Torque bending plier** *Mini torque bending plier*  
*Item No.: FC05-03 Package: 1\*1*  
for applying torque to edgewise, often used in pairs, there are two kinds of tip sizes: 0.8mm and 1.5mm, more convenient in use



**Kim plier** *Kim plier*  
*Item No.: FC06-01 Package: 1\*1*  
for bending multi-loop edgewise arch wires, with cutter in the middle part. For rectangular wires not up to 0.022". three step loop formers are  $\Phi$  1.5mm, 2mm, 2.6mm



**Loop forming plier** *Tweed plier*  
*Item No.: FC07-01 Package: 1\*1*  
for bending loops on the wires, especially stop loops and omega loops.



**How plier** *Straight*  
*Item No.: FC08-01 Package: 1\*1*  
for positioning wires into the buccal tubes, ligature wires and seating individual anterior teeth. long slending curved lip-safe tips increasing efficiency in positioning areas.



**How plier** *Curve*  
*Item No.: FC08-02 Package: 1\*1*  
for positioning wires into the buccal tubes, ligature wires and seating individual anterior teeth. long slending curved lip-safe tips increasing efficiency in positioning areas.



**Young loop bending plier**  
*Item No.: FC09-01 Package: 1\*1*  
designed for marking identical loops on square or rectangular wires up to 0.56\*0.71mm, three step loop formers  $\Phi$  1.3mm 3mm and 4.2mm

# Orthodontic pliers



## Weingart plier

**Item No.:** FC10-01 **Package:** 1\*1

long slender curved lip-safe lips with beak.for positioning the arch to the buccal tubes, uncovering convertible buccal and bending the arch wire ends at the back of tubes, etc.



## Nance loop bending plier

**Item No.:** FC11-01 **Package:** 1\*1

for bending different vertical loops,four grooves at tip for bending identical loops:3mm,4mm,5mm,6mm,for wires up to 0.6mm.



## Brackets removing plier

**For anterior teeth**

**Item No.:** FC12-01 **Package:** 1\*1

for removing brackets by cutting the adhesive part.



## Brackets removing plier

**For posterior teeth**

**Item No.:** FC12-02 **Package:** 1\*1

for removing brackets by cutting the adhesive part.



## Brackets removing plier

**For ceramic**

**Item No.:** FC12-03 **Package:** 1\*1

specially designed to remove ceramic brackets, angled tip allows for easier and quicker removing.



## Band removing plier *Long tip*

**Item No.:** FC13-01 **Package:** 1\*1

under the fulcrum of stainless steel pad occlusal point,it removes the posterior bands with long slending chisel tip. Also for removing brackets.



## Band removing plier *Short tip*

**Item No.:** FC13-02 **Package:** 1\*1

under the fulcrum of stainless steel pad occlusal point,it removes the posterior bands with long slending chisel tip. Also for removing brackets.



## Adhesives removing plier

**Item No.:** FC14-01 **Package:** 1\*1

removes any remaining adhesive on the tooth without harming the enamel.edges can be ground on the grinding wheel to keep sharp.



## Three-prong plier

**Item No.:** FC15-01 **Package:** 1\*1

for shaping and bending every kinds of ligatures, especially the niti wire.



# Orthodontic pliers



## crimpable hook placement

**Item No.:** FC16-01 **Package:** 1\*1

for locking sliding tubes onto the wire, making locking easier.



## Separator placing plier

**Heavy wire cutter**  
**Item No.:** FC17-01 **Package:** 1\*1

bending in the front to make it easier to put separating modules under the molar contact point.



## Buccal tube convertible cap removing plier

**Item No.:** FC18-01 **Package:** 1\*1

used for convertible buccal tubes.



## Multi-functional plier

**Item No.:** FC19-01 **Package:** 1\*1

combination of bending light wire and "U" loops and cutting hard wire. suitable for all different sizes of delicate loops and "u" loops. With cutter in the middle part for cutting the surplus steel wire.



## Ligature bending plier

**Item No.:** FC20-01 **Package:** 1\*1

used for bending ligatures.



## Distal end bending plier

**King size**  
**Item No.:** FC21-01 **Package:** 1\*1

it is mainly used to bend the end of hard wires, especially the niti wires, there is no need to heat the niti wires when they are bended by these pliers, its maximum bending capacity is 0.021" in diameter.



## Utility plier

**Item No.:** FC22-01 **Package:** 1\*1

it is mainly used to the lingual orthodontics and to hold the lingual ligature to bend the ligature. It has a small curved blade with tooth.



## Bind beak plier

**Long head**  
**Item No.:** FC23-01 **Package:** 1\*1  
**Short head**  
**Item No.:** FC23-02 **Package:** 1\*1

designed for fine bending many kinds of loops on archwire.



## Hollow chop plier

**Item No.:** FC24-01 **Package:** 1\*1

designed for contouring and forming of orthodontic archwires, easily bending SS round wire and edgewise.

# Orthodontic pliers



## V-shape bending plier

**Item No.:** FC25-01 **Package:** 1\*1

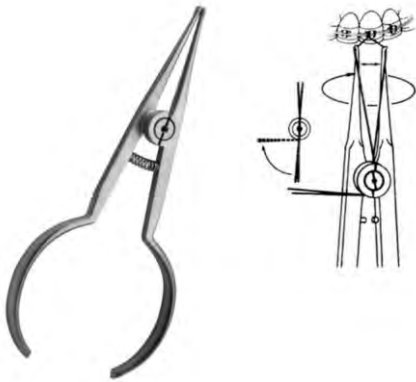
designed for marking 1mm V-bends on the archwire, to shorten archwire and prevent wire creeping. (wire up to 0.022")



## lingual arch forming plier

**Item No.:** FC26-01 **Package:** 1\*1

designed for marking lingual bends, forming double-back and triple-back bends by distal end of archwire in 0.03" or 0.036" for inserting in lingual sheaths.



## Ligature tying plier

**Item No.:** FC27-01 **Package:** 1\*1

designed for quickly and easily tying ligature wire.



## Stand for pliers

**Item No.:** FC00-01 **Package:** 1\*1

made of stainless steel, suitable for high temperature sterilization.

# Orthodontic tools

## Band seater

For seating band in proper crown position.



**Band elevator**  
Item No.: FD02-01



**Band pusher**  
Item No.: FD02-02

## Star-like brackets positioning gauge

for anterior teeth and posterior teeth.

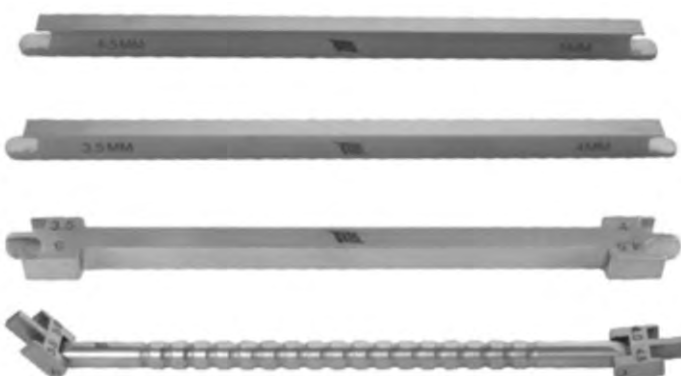


**For anterior teeth**  
Item No.: FD03-01



**For posterior teeth**  
Item No.: FD03-02

## Pole-like brackets positioning gauge



**size 3.5, 4mm ; 4.5, 5mm**  
Item No.: FD03-03

**size 2, 2.5mm ; 3, 3.5mm ; 4, 4.5mm ; 5, 5.5mm ; 6, 6.5mm ;**  
Item No.: FD03-04

**single pole two heads size 3.5, 4mm ; 4.5, 5mm**  
Item No.: FD03-05

**movable two heads size 3.5, 4mm ; 4.5, 5mm**  
Item No.: FD03-06

positioning needle helps accurate and simple vertical positioning. for MBT brackets and edgewise brackets. in 4 forms

# Orthodontic tools



Item No.: FD04-01



Item No.: FD04-02



Item No.: FD05-01



Item No.: FD05-01



Item No.: FD06-01



Item No.: FD06-02

## Brackets tweezer

**multi-functional**  
Item No.: FD04-01

used for both anterior and posterior teeth with adhesive removing head. It is suitable to remove extra adhesives.

## Brackets tweezer

**innovated product**  
Item No.: FD04-02

for anterior teeth

## Buccal tube tweezer

Item No.: FD05-01

it is used to hold the buccal tubes reversely when the buccal tubes are to be bonded. Its slim and curved tips make it more convenient in use.

## Tension and stress gauge

Item No.: FD05-01

for measuring gram and ounce tension force

## Ligature tucker

**Double tips**  
Item No.: FD06-01

**Multi-functional**  
Item No.: FD06-02

for ligature adjuster and tucker after ligating

## Arch Wire Former

Specification	Item No.	package	
type I <b>stainless steel</b>	F111-01	1*1	Working part made of pure stainless steel with full range of precise common slots;0.016",0.017", 0.018"0.019"0.022"
type II <b>aluminum</b>	F111-02	1*1	







