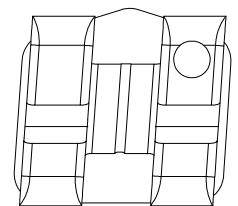
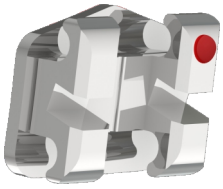


TM  
SAPPHIRE+  
TRUE TWIN  
METAL BRACKETS  
by Modern Orthodontics



CNC Milled Slot  
CAD Design  
Metal Injection Molded  
80 Mesh Pad





SAPPHIRE+<sup>TM</sup>  
TRUE TWIN  
METAL BRACKET SYSTEM

<sup>TM</sup>

# SAPPHIRE+ TRUE TWIN

METAL BRACKET SYSTEM

True Twin Two- Piece Bracket  
with four tie wings and  
time tested 80 mesh

*Metal Injection Moulded ( MIM)*

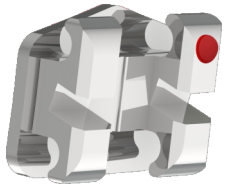
for intricate,  
and smooth design.

*Low Profile Design*

for comfort and minimum occlusal  
interferences.

*CNC Milled Slot*

for precision  
and smoothness



**Advanced 17-4 low nickel alloy**  
for maximum strength in thinnest walls  
and zero slot collapse.

**ZeroF ultra low friction slot**  
Advanced polishing process creates mirror  
finish by removing high surface peaks at  
molecular level.

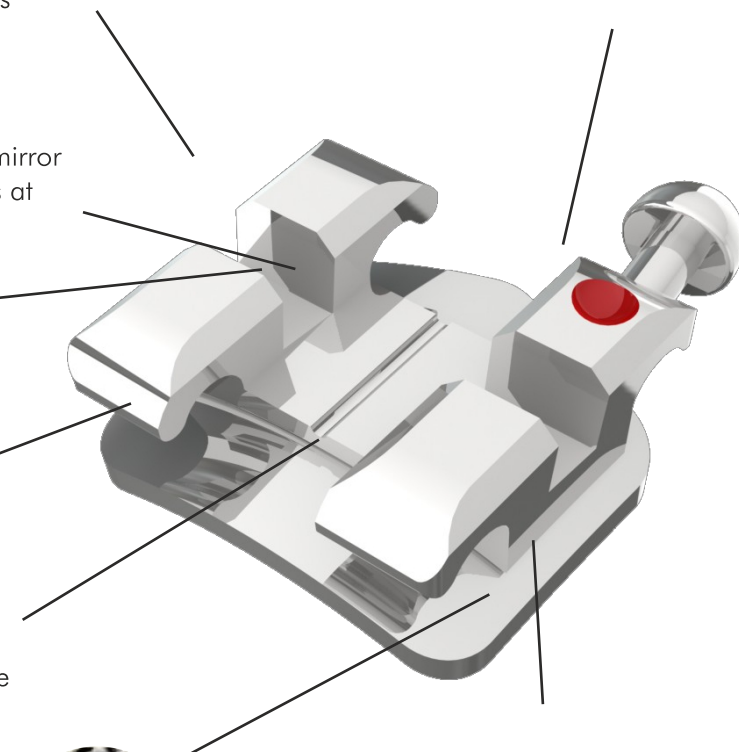
**CNC milled slot**  
for precision and smoothness.

**Rounded tie wings**  
for patient comfort.

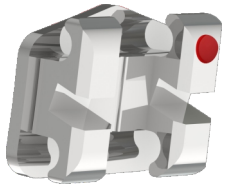
**Centre scribe line**  
for accurate bracket placement in line  
with the long axis of tooth.

**80 Gauge mesh pad**  
Compound contoured diagonal  
mesh pad for maximum bonding  
strength and zero rocking.

Exact in - out dimensions.

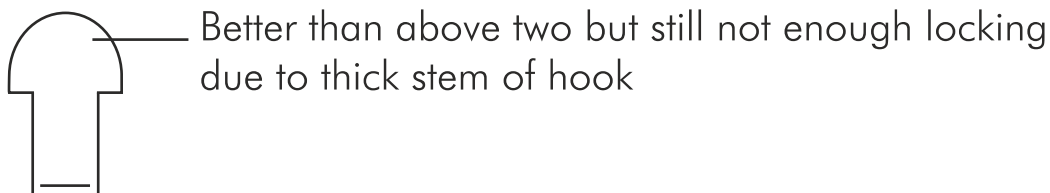
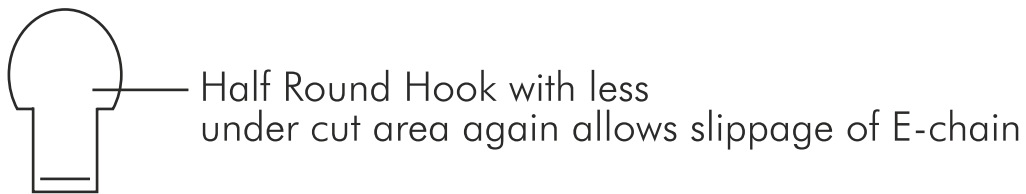
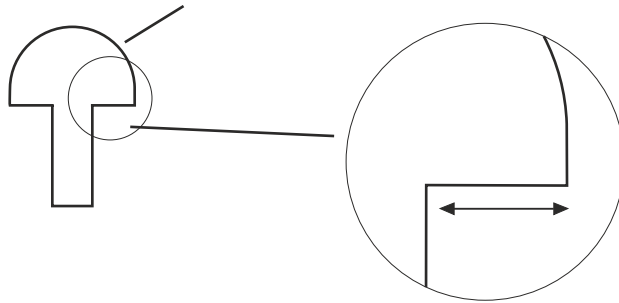


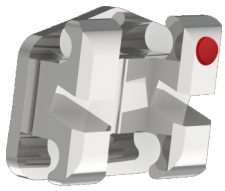
**Palladium alloy braze**  
assures strongest possible brazed  
joint and resists electrolytic reaction  
that can cause brazing failure during use.



## SecureLok Hooks

Offer best locking of chains and accessories.  
Due to thinnest hook stem design large amount undercut is present beneath the half round ball of hook and chains will not slip out in between the patient appointments.

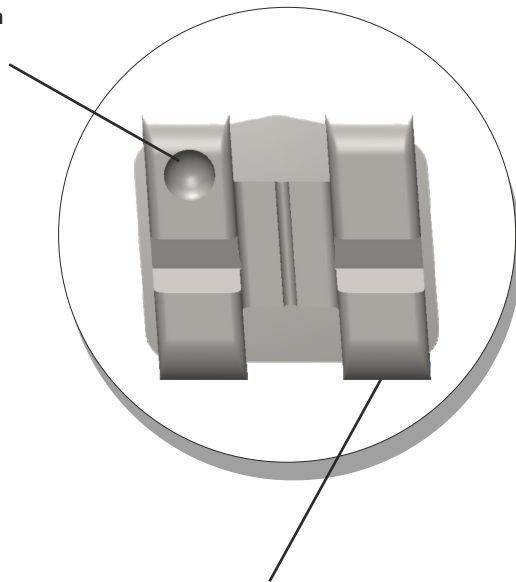




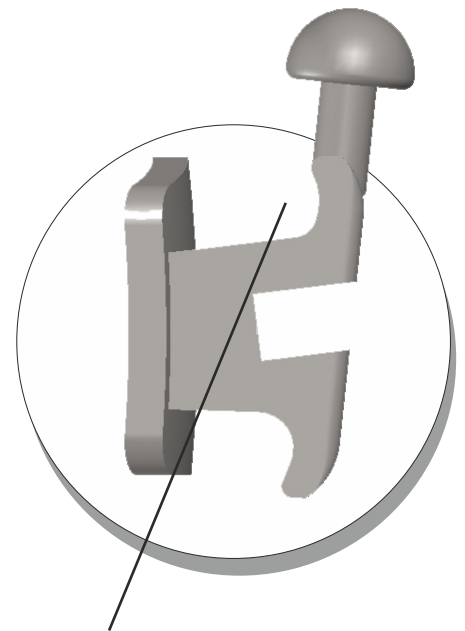
SAPPHIRE+™  
TRUE TWIN  
METAL BRACKET SYSTEM



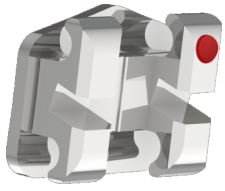
Permanent ID marks  
with enhanced colors  
for easy identification



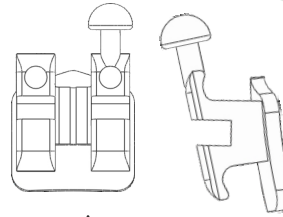
Large tie wings design  
for double tying



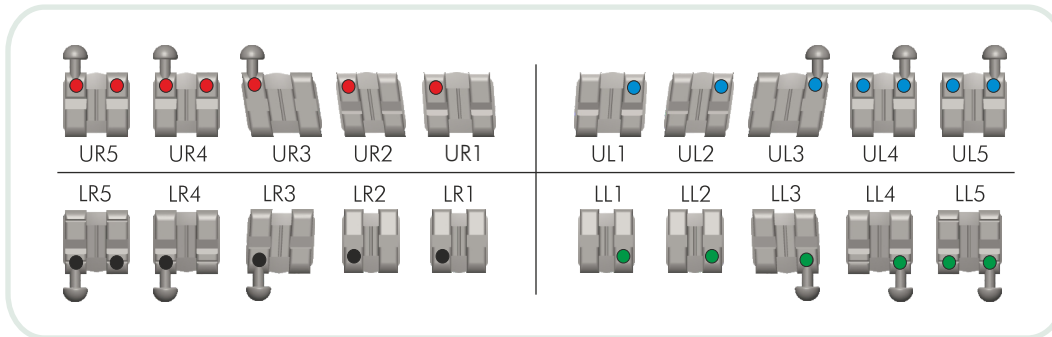
High gingival tie wings  
on bicuspid for tissue avoidance,  
easier ligation and better hygiene  
Big help when bonding partially  
erupted bicuspids



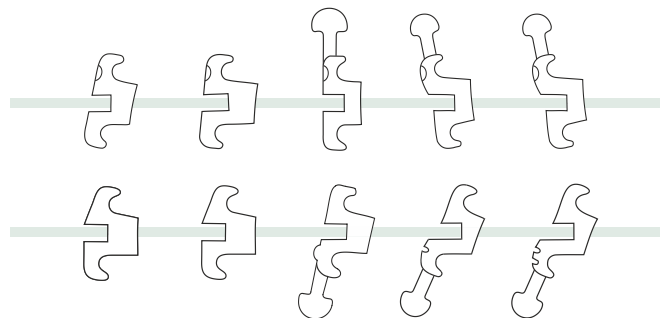
**Gingivally offset  
bicuspid brackets**

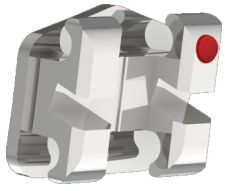


offer a large bonding base covering more area on the occlusal one third of buccal surface and increasing bond strength. Helps in fast eruption of partially erupted bicuspid



Torque in  
base design





Roth Prescription  
Maxillary ▲

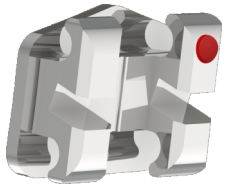
Tooth	Torque	Angle	Width	R/L	ID	.018	.022
1 1 Central	+12°	+5°	.113"	R	●	BTS-R8-501	BTS-R2-501
				L	●	BTS-R8-502	BTS-R2-502
2 2 Lateral	+8°	+9°	.106"	R	●	BTS-R8-503	BTS-R2-503
				L	●	BTS-R8-504	BTS-R2-504
3 3 Cuspid with hook	0°	+11°	.119"	R	●	BTS-R8-505	BTS-R2-505
				L	●	BTS-R8-506	BTS-R2-506
4/5 4/5 Bicuspid	-7°	0°	.110"	R	●	BTS-R8-509R	BTS-R2-509R
				L	●	BTS-R8-509L	BTS-R2-509L
4/5 4/5 Bicuspid with hook	-7°	0°	.110"	R	●	BTS-R8-510	BTS-R2-510
				L	●	BTS-R8-511	BTS-R2-511

Roth Prescription  
Mandibular ▼

Tooth	Torque	Angle	Width	R/L	ID	.018	.022
1/2 1/2 Lower Anterior	0°	0°	.093"	R	●	BTS-R8-515R	BTS-R2-515R
				L	●	BTS-R8-515L	BTS-R2-515L
3 3 Cuspid With hook	-11°	+5°	.108"	R	●	BTS-R8-516	BTS-R2-516
				L	●	BTS-R8-517	BTS-R2-517
4 4 1st Bicuspid	-17°	0°	.110"	R	●	BTS-R8-520R	BTS-R2-520R
				L	●	BTS-R8-520L	BTS-R2-520L
4 4 1st Bicuspid with hook	-17°	0°	.110"	R	●	BTS-R8-521	BTS-R2-521
				L	●	BTS-R8-522	BTS-R2-522
5 5 2nd Bicuspid	-22°	0°	.110"	R	●	BTS-R8-526R	BTS-R2-526R
				L	●	BTS-R8-526L	BTS-R2-526L
5 5 2nd Bicuspid with hook	-22°	0°	.110"	R	●	BTS-R8-527	BTS-R2-527
				L	●	BTS-R8-528	BTS-R2-528

Roth Full Kits ▲▼

Kits	.018	.022
Upper/Lower 5x5 Hook on 3	BKS-R8-502	BKS-R2-502
Upper/Lower 5x5 Hooks on 3,4,5	BKS-R8-504	BKS-R2-504



MBT Prescription  
Maxillary ▲

Tooth	Torque	Angle	Width	R/L	ID	.018	.022
1 1 Central	+17°	+4°	.113"	R	●	BTS-M8-501	BTS-M2-501
				L	●	BTS-M8-502	BTS-M2-502
2 2 Lateral	+10°	+8°	.106"	R	●	BTS-M8-503	BTS-M2-503
				L	●	BTS-M8-504	BTS-M2-504
3 3 Cuspid with hook	0°	+9°	.119"	R	●	BTS-M8-505	BTS-M2-505
				L	●	BTS-M8-506	BTS-M2-506
3 3 Cuspid with hook	-7°	+9°	.119"	R	●	BTS-M8-509	BTS-M2-509
				L	●	BTS-M8-510	BTS-M2-510
4 <sup>1</sup> / <sub>5</sub>  4 <sup>1</sup> / <sub>5</sub> Bicuspid with hook	-7°	0°	.110"	R	●	BTS-M8-513	BTS-M2-513
				L	●	BTS-M8-514	BTS-M2-514
4 <sup>1</sup> / <sub>5</sub>  4 <sup>1</sup> / <sub>5</sub> Bicuspid	-7°	0°	.110"	R	●	BTS-M8-515R	BTS-M2-515R
				L	●	BTS-M8-515L	BTS-M2-515L

MBT Prescription  
Mandibular ▼

Tooth	Torque	Angle	Width	R/L	ID	.018	.022
1 <sup>2</sup> / <sub>2</sub>  1 <sup>2</sup> / <sub>2</sub> Lower Anterior	-6°	0°	.093"	R	●	BTS-M8-519R	BTS-M2-519R
				L	●	BTS-M8-519L	BTS-M2-519L
3 3 Cuspid with hook	-6°	+3°	.108"	R	●	BTS-M8-520	BTS-M2-520
				L	●	BTS-M8-521	BTS-M2-521
3 3 Cuspid with hook	0°	+3°	.108"	R	●	BTS-M8-522	BTS-M2-522
				L	●	BTS-M8-523	BTS-M2-523
4 4 1 <sup>st</sup> Bicuspid with hook	-12°	+2°	.110"	R	●	BTS-M8-528	BTS-M2-528
				L	●	BTS-M8-529	BTS-M2-529
4 4 1 <sup>st</sup> Bicuspid	-12°	+2°	.110"	R	●	BTS-M8-530	BTS-M2-530
				L	●	BTS-M8-531	BTS-M2-531
5 5 2 <sup>nd</sup> Bicuspid with hook	-17°	+2°	.110"	R	●	BTS-M8-536	BTS-M2-536
				L	●	BTS-M8-537	BTS-M2-537
5 5 2 <sup>nd</sup> Bicuspid	-17°	+2°	.110"	R	●	BTS-M8-538	BTS-M2-538
				L	●	BTS-M8-539	BTS-M2-539

MBT Full Kits ▲▼

Kits	.018	.022
Upper/Lower 5x5 Hook on 3*	BKS-M8-502*	BKS-M2-502*
Upper/Lower 5x5 Hooks on 3,4,5*	BKS-M8-504*	BKS-M2-504*
Upper/Lower 5x5 Hook on 3	BKS-M8-602	BKS-M2-602
Upper/Lower 5x5 Hooks on 3,4,5	BKS-M8-604	BKS-M2-604

\* Cuspid brackets in these Kits are having -7 deg torque in uppers and -6 deg torque in lowers.  
Other kits have 0 deg torque in all cuspids.  
For any other cuspid torque combination, please place order for individual brackets.