



BiOBRACE2

OO Dental Double Comfort Treatment

**ULTIMATE COMFORT
SUPERIOR EFFICIENCY**

Self-innovation from OO Dental



OO Dental Double Comfort Treatment
BIOBRACE 2

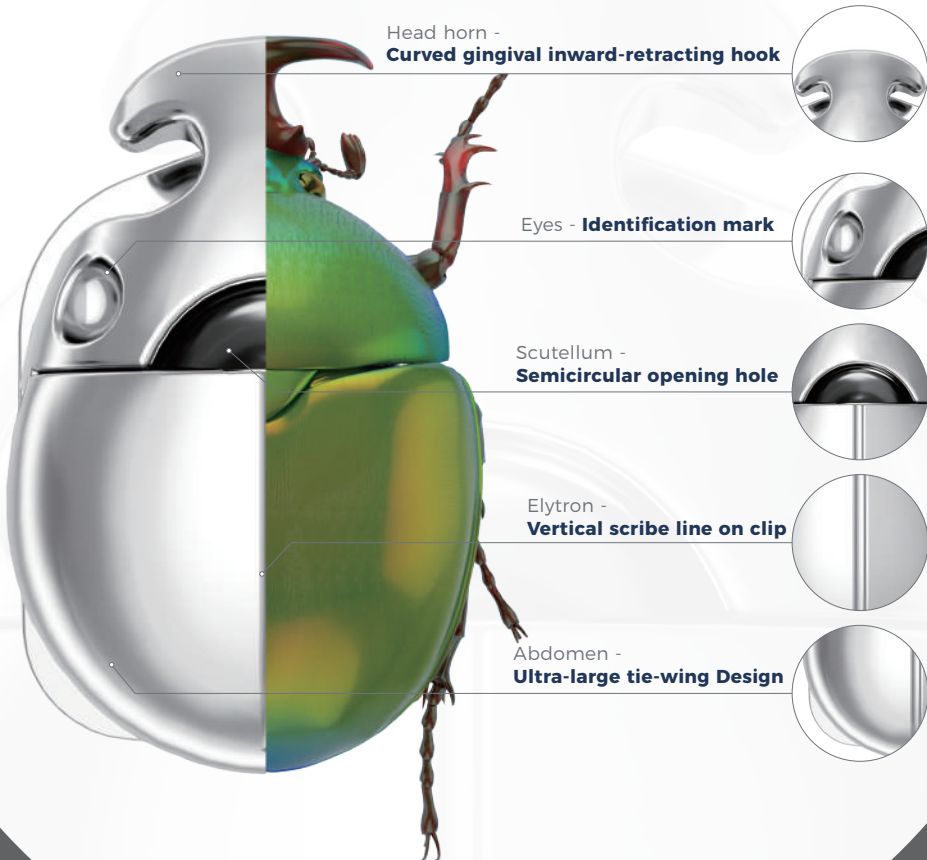
Self-innovation from OO Dental

**ULTIMATE COMFORT
SUPERIOR EFFICIENCY**



Bracket in Bionic Design

Rhinoceros Beetle





ULTIMATE COMFORT

CURVED GINGIVAL INWARD-RETRACTING HOOK

04

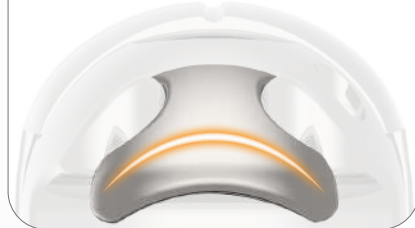
CURVED GINGIVAL INWARD- RETRACTING HOOK

Patented In-House Self-Innovation

Horizontal Curvature



Vertical Curvature



Gingival Curvature

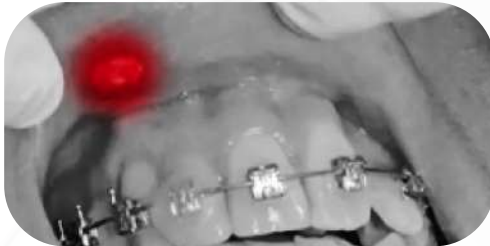


Contact Area with Oral Mucosa increased by **9 times**

Stress at the maximum point decreased by **93.2%**

CURVED GINGIVAL INWARD- RETRACTING HOOK

Optimized to enhance comfort over traditional vertical hooks



Traditional Vertical Hook
**Prone to Causing
Mucosal Abrasion and
Gum Pressure x**



curved gingival inward-
retracting hook
More comfortable ✓

ENHANCED COMFORT



reduction in mucosal ulceration at the canine area by

91.6%

ENHANCED COMFORT



BioBRACE

Easy operation
Great comfort



BioBRACE2

breakthrough upgrade

Easier operation
Greater comfort



SUPERIOR EFFICIENCY

HOOK IN BILATERAL INWARD CONCAVE SHAPE

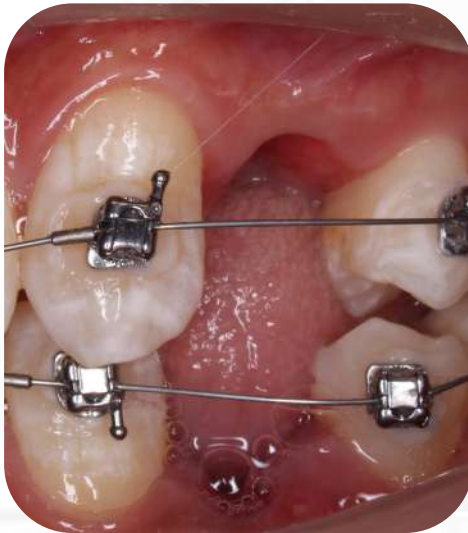
09

ENHANCED PERFORMANCE

17

HOOK IN BILATERAL INWARD CONCAVE SHAPE

Traditional hooks are difficult to operate.



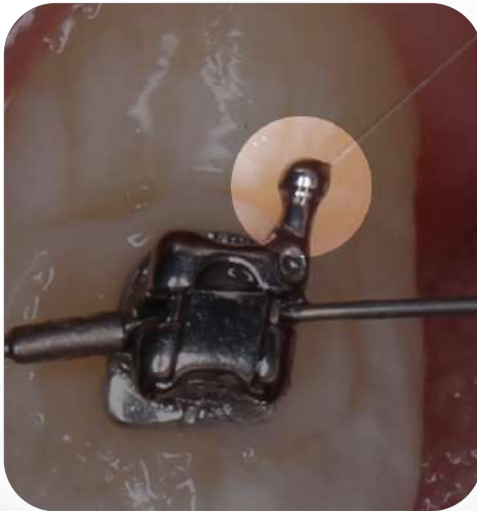
Elastics easily fall off x



**Elastics are hard to attach,
resulting in risk
of injury to the mouth x**

HOOK IN BILATERAL INWARD CONCAVE SHAPE

Traditional hooks are difficult to operate.



Min: 0.1mm

Max: 0.15mm



0.6-0.8 mm Standard size for power chains and elastics

Traditional Hook

Limited space leads to difficult operation x

**HOOK IN BILATERAL
INWARD CONCAVE SHAPE**

Ultra-large hook



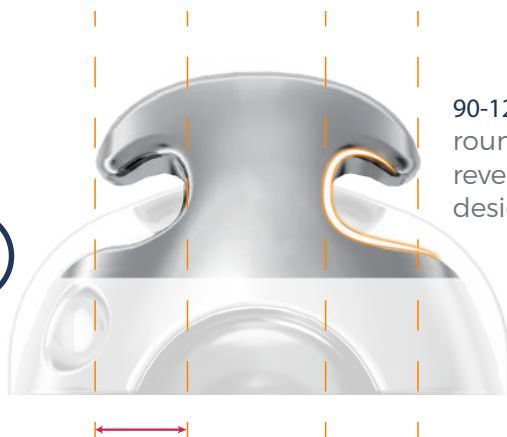
Round and Spacious

HOOK IN BILATERAL INWARD CONCAVE SHAPE

Ultra-large hook



Min: 0.1mm
Max: 0.15mm



90-120°
rounded
reverse cone
design

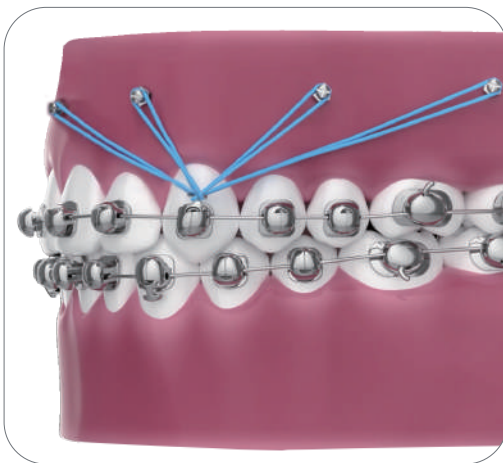
Min: 0.6mm
Max: 0.8mm

Elastic anchoring strength increased by

400%

HOOK IN BILATERAL INWARD CONCAVE SHAPE

Hook



360° all-around Hook

Meeting various clinical traction needs

HOOK IN BILATERAL INWARD CONCAVE SHAPE



Ligature wires



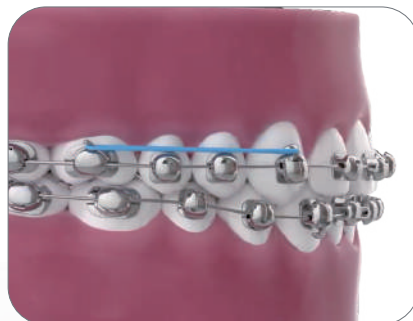
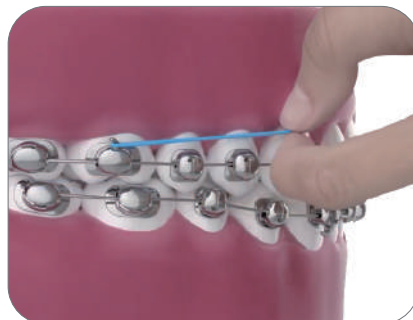
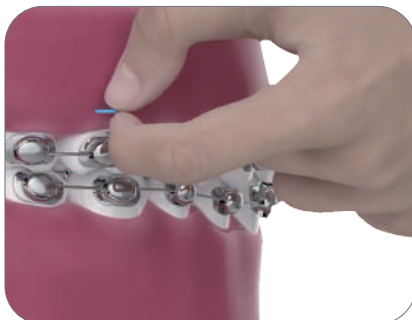
Power chains



Elastics

More efficient operation ✓

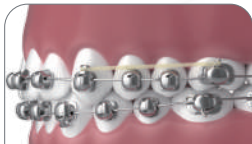
HOOK IN BILATERAL INWARD CONCAVE SHAPE



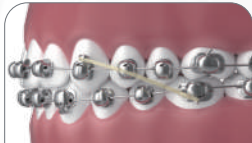
Patients can easily attach elastics by themselves ✓

HOOK IN BILATERAL INWARD CONCAVE SHAPE

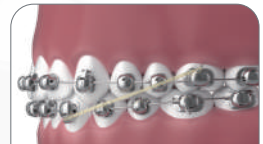
Easy traction



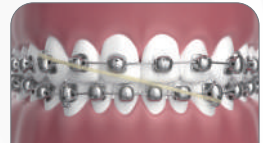
Class I Traction



Class II Traction



Class III Traction



Oblique Traction

Integrated hook design

No attachment required; easier operation

ENLARGED LIGATION SPACE

Easier to Ligate



BIOBRACE

up
GRADE 2.0

BIOBRACE 2

**Easier operation
Greater comfort**

17%

increased ligation space

OPTIMIZED OPENING HOLE

Easier to Open



BioBRACE

up
GRADE 2.0

BioBRACE2

**Easier operation
Greater comfort**



Easy for both bracket opening tool and
dental probe to operate.



More stable

up
GRADE 2.0

Stability of bracket
door up by
30%

Improved bracket clip: resistant to scratching and damage.

Innovative breakthroughs with classic continuity.

Continuing the favored OO Dental spherical bracket design.

EASY TO POSITION

21

EASY TO CLAMP

22

LESS FALL-OFF

23

MORE COMFORTABLE

24

EASY TO CLEAN

25

MULTIPLE PRESCRIPTION OPTIONS

26

EASY TO POSITION

Positioning arm

- ① in line with the tooth's long axis;
- ② positioning height for reference



Vertical Scribe Line

Ease for positioning



Identification mark

Easy to identify with less operation mistakes



EASY TO CLAMP



LESS FALL-OFF



perfect dispersion

Fall-off rate is 1/20th of rectangular brackets.

80-gauge mesh base
to ensure secured bonding
improvement in bonding strength
20%

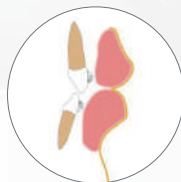
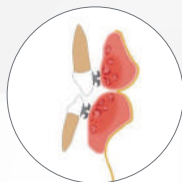
tooth mark identification on base



MORE COMFORTABLE



Contacts between teeth and oral mucosa
> **30,000/day**



It perfectly fits the function of chewing, swallowing,
breathing and speaking
less uncomfortable, less ulcers

EASY TO CLEAN

easier clean-up and improved periodontal health



Spherical bracket ✓

easy to clean



**Traditional
rectangular bracket x**

food residue hard to remove

MULTIPLE PRESCRIPTION CHOICES

MBT

Tooth	5⊥5	4⊥4	3⊥3	2⊥2	1⊥1	5T5	4T4	3T3	2T2	1T1
Torque	0°	0°	11°	9°	5°	2°	2°	3°	0°	0°
Tip	-7°	-7°	-7°	10°	17°	-17°	-12°	-6°	-6°	-6°

ROTH

Tooth	5⊥5	4⊥4	3⊥3	2⊥2	1⊥1	5T5	4T4	3T3	2T2	1T1
Torque	0°	0°	11°	9°	5°	2°	2°	3°	0°	0°
Tip	-7°	-7°	-2°	8°	12°	-22°	-17°	-11°	-1°	-1°

High Torque

Tooth	5⊥5	4⊥4	3⊥3	2⊥2	1⊥1	5T5	4T4	3T3	2T2	1T1
Torque	0°	0°	11°	9°	5°	2°	2°	5°	0°	0°
Tip	-7°	-7°	7°	13°	22°	-12°	-5°	10°	-1°	-1°

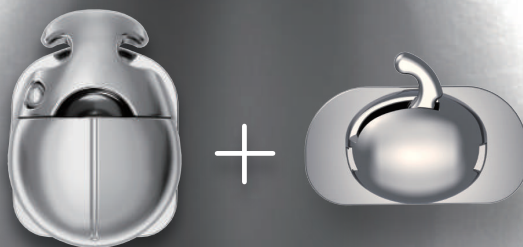
Standard Torque

Tooth	5⊥5	4⊥4	3⊥3	2⊥2	1⊥1	5T5	4T4	3T3	2T2	1T1
Torque	0°	0°	11°	9°	5°	2°	2°	3°	0°	0°
Tip	-7°	-7°	2°	8°	12°	-17°	-12°	0°	-1°	-1°

Low Torque

Tooth	5⊥5	4⊥4	3⊥3	2⊥2	1⊥1	5T5	4T4	3T3	2T2	1T1
Torque	0°	0°	11°	9°	5°	2°	2°	3°	0°	0°
Tip	-7°	-7°	-7°	-5°	2°	-22°	-15°	-6°	-6°	-6°

DOUBLE COMFORT
ORTHODONTIC TREATMENT SOLUTION

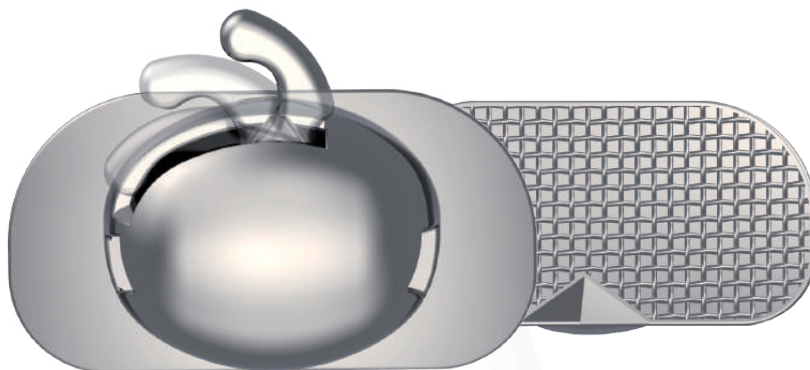


BIOBRACE2 & O-TUBE2



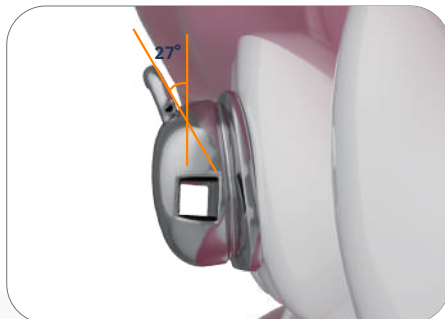
Double comfort Real comfort

[NEW UPGRADE]



O-Tube2

NON- INTERFERENCE DESIGN



O-Tube

Possible issues:

Gum pressure, Difficult traction,
prone to dirt accumulation



O-Tube2

**No gum pressure, Easier traction,
less dirt accumulation.**

Listening to doctors, facing challenges, embracing innovation.

LOWER PROFILE

O-Tube



O-Tube2



Profile reduced by

33%*

Ulcer risk reduction by

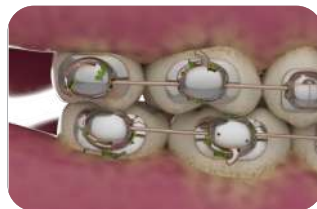
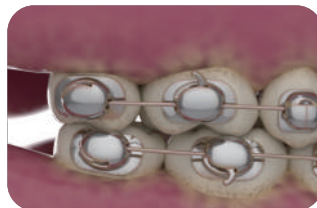
98.9%

NON- INTERFERENCE DESIGN



100,000 times
open/close limit tests.

open/close limit test.



After various simulated tests,
opening and
closing remain smooth.

MORE PRECISE

O-Tube



O-Tube2



Wire

23%



6# base

width increased by

32%

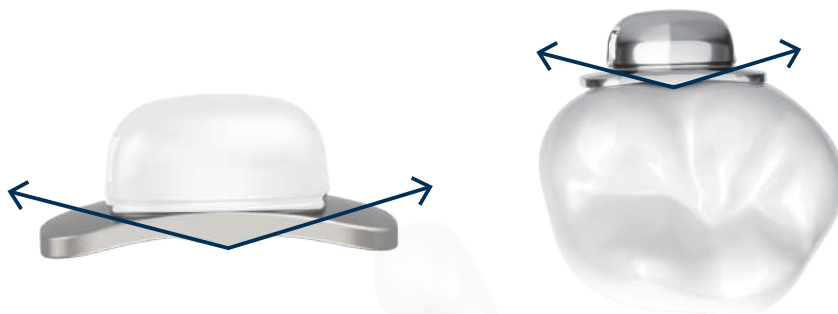
7# base

width increased by

15%

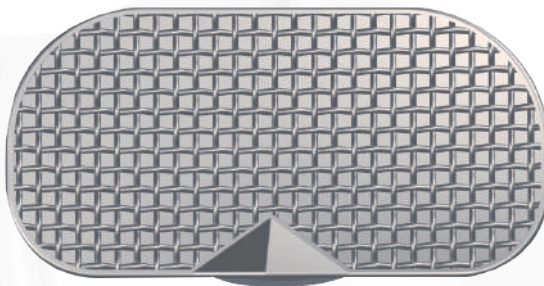
BETTER FIT

Enhanced groove curvature



More Reliable Bonding Strength

80-gauge **widened** mesh base to ensure secured bonding





Convertible buccal tube



Non-convertible buccal tube



“What we shape is not only a bracket but our inner world.

A product is generated from the creator’s heart that mirrors his inner qualities.”

— Dr.Lucky JI Li

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The First One

The Only One

The Best One