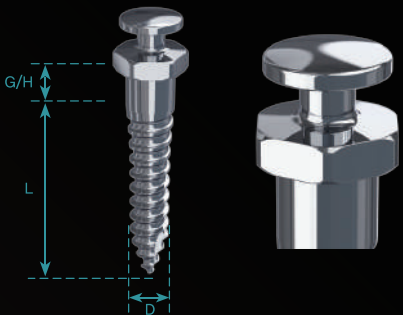


SPECIFICATION

Bio-Tack S™

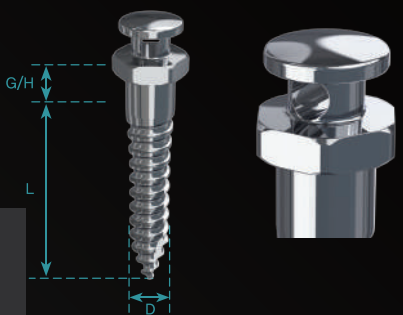
Simple Head (NBSH) –



D	Ø 1.4	Ø 1.6	Ø 1.8
G/H	1.5mm	1.5mm	1.5mm
L	6mm	NBSH1406(S)	NBSH1606(S)
	8mm	NBSH1408(S)	NBSH1608(S)
	10mm	NBSH1410(S)	NBSH1610(S)
	12mm	–	NBSH1612(S)

- ※ Pre-Drilling recommended for preventing fracture during the insertion with Ø 1.4
- Rounded Head Design for patient comfort
 - Ø 1.4 is suitable during insertion among anterior tooth and root apex
 - (S) for abbreviation of pre-sterilized product

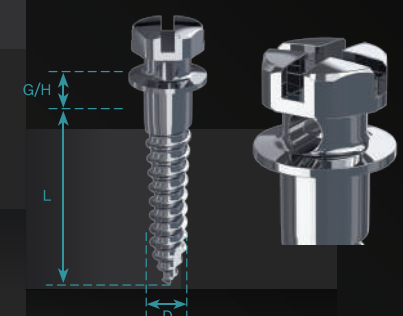
Through Hole (NBTH) –



D	Ø 1.4	Ø 1.6	Ø 1.8
G/H	1.5mm	1.5mm	1.5mm
L	6mm	NBTH1406(S)	NBTH1606(S)
	8mm	NBTH1408(S)	NBTH1608(S)
	10mm	NBTH1410(S)	NBTH1610(S)
	12mm	–	NBTH1612(S)

- ※ Pre-Drilling recommended for preventing fracture during the insertion with Ø 1.4
- Rounded Head Design for patient comfort
 - Neck Size Diameter 1.45mm
 - Ø 1.4 is suitable during insertion among anterior tooth and root apex
 - (S) for abbreviation of pre-sterilized product

Hex Open Cross (NCHO) –



D	Ø 1.4	Ø 1.6	Ø 1.8
G/H	1.5mm	1.5mm	1.5mm
L	6mm	NCHO1406(S)	NCHO1606(S)
	8mm	NCHO1408(S)	NCHO1608(S)
	10mm	NCHO1410(S)	NCHO1610(S)
	12mm	–	NCHO1612(S)

- ※ Pre-Drilling recommended for preventing fracture during the insertion with Ø 1.4
- Ligation possible with 019*025 wire
 - Hole Size with Ø 0.8 (022" wire)
 - Upper hand in stability with 1.75mm neck size diameter
 - (S) for abbreviation of pre-sterilized product

SPECIFICATION

Instrument & KIT of Bio-Tack S™



Driver Shaft for Universal Handle



Type	
B type	C type
BMB-SSBB	BMB-SSCB

- Used when connecting Universal Handle to insert Bio-Tack S™
- Composed of Two Different Driver Shafts : B type, C type
- Compatible with Driver Handles of other brands

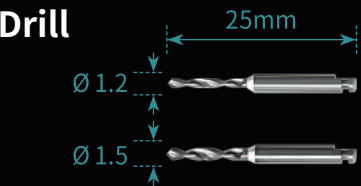
Driver Shaft for Handpiece (Engine)



Length	Type	
	B type	C type
S	BMB-TSBB (23mm)	BMB-TSCB (23.5mm)
M	BMB-TMBA (33.4mm)	BMB-TMCA (33.8mm)
L	BMB-TLBA (40mm)	BMB-TLCA (40.4mm)

- Used when connecting Hand piece (Engine) to insert Bio-Tack S™
- Composed of Two Different Driver Shafts: B Type, C Type

Drill



Type	
Ø 1.2	Ø 1.5
BMB-DT12	BMB-DT15

- Used when connecting Head piece (Engine)
- Laser marking: Ø 1.2, Ø 1.5
 - Ø 1.2 drilling : Used when Ø 1.4, Ø 1.6 screw implantation
 - Ø 1.5 drilling : Used when Ø 1.8 screw implantation
- Drilling speed under 800 rpm recommended
- In case of high density in the cortical bone, pre-drilling is recommended after insertion

Universal Handle



Code
BMB-UNHA

- It is used after fastening with the driver shaft, and the anti-slip treatment is provided in the center of the handle for easier procedure.

Total Solution for Orthodontics



Bio-Tack S™

Orthodontic Mini Implant

Bio-Tack S is a specialized screw designed orthodontic mini implant with high placement stability and ease of use. With a versatile head design suitable for various treatments, it allows for effective treatment aligned with the dentist's intentions.



Bio-Tack S™

01

Minimized Head Design

Minimized Head Design

- Low Height of the head design reduces patient discomfort and maximizes patient comfort

02

Titanium Alloy Body (Grade ELI)

Titanium Alloy Body(Grade ELI)

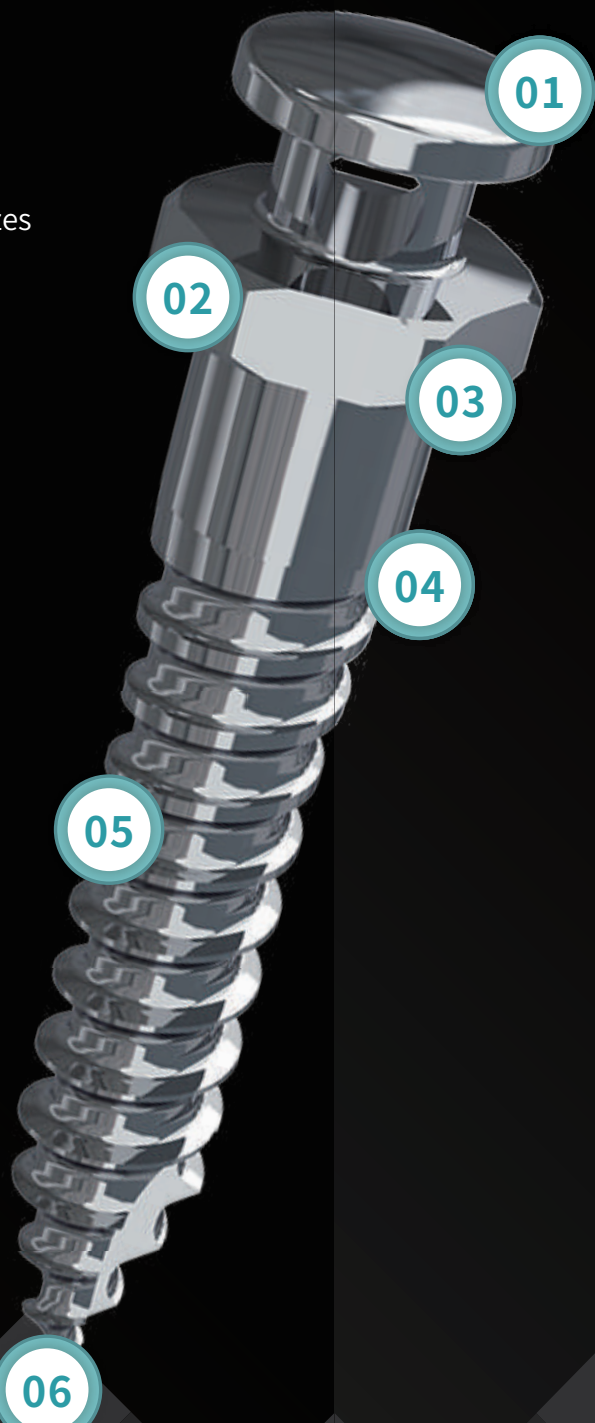
- Applying Titanium Alloy(Grade ELI) secures Biological Stability and Mechanical Excellence
- Minimizing the risk of Fracture during Mini Implant placement

03

Straight G/H Shape

Straight G/H Shape

- Straight G/H shape minimizes the pressure on the gingival thus enables stable implantation



04

Enhanced Body Strength

Enhanced Body Strength

- 30% Enhanced Body Strength minimizes the possibility of fracture when implanted

05

Expanded Tapered Body & Thread

Expanded Tapered Body & Thread

- Excellent initial fixation in Cortical bone through Expanded Tapered Body Design
- Expanded Thread enables high stability by strong fixation between the mini implant and bone structure after placement

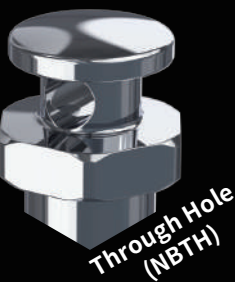
06

Sharp & Strong Apex

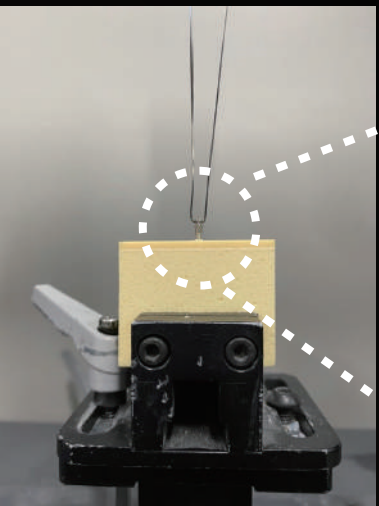
Sharp & Strong Apex

- Sharp & Strong Apex Design for stable and precise implantation by reducing the possibility of fall-out despite of the tilted angle

3 Types of Head Designs of Bio-Tack S™

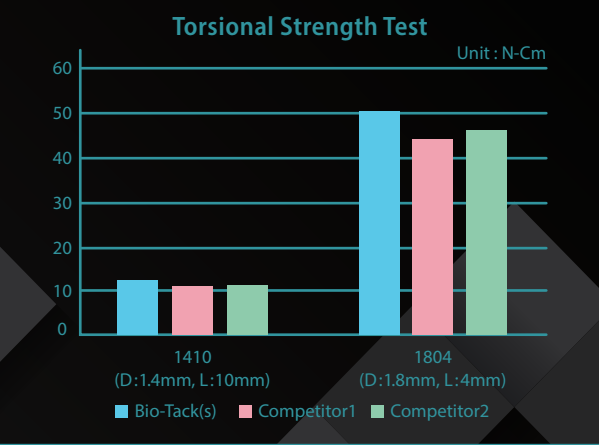


[Axial Pull-Out Strength Test]



Axial Pull - Out Strength Test (ASTM F543 - 07 A3) : Experiment by placing 60% of the screw length	
Value (N)	439.0
	455.7
	404.9
	.
	.
	.
	.
	506.6
AVG (N)	452.2

Design Patent Certificate
No. : 30-0887710



[Bio-Tack S™ is Orthodontic Mini-Implant.]
Bio-Tack S™ gives you the best Orthodontic treatment.