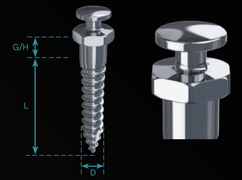
SPECIFICATION

Bio-Tack S™

– Simple Head (NBSH) –

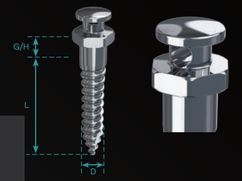


D		Ø1.4	Ø1.6	Ø1.8
G/H		1.5mm	1.5mm	1.5mm
L	6mm	NBSH1406(S)	NBSH1606(S)	NBSH1806(S)
	8mm	NBSH1408(S)	NBSH1608(S)	NBSH1808(S)
	10mm	NBSH1410(S)	NBSH1610(S)	NBSH1810(S)
	12mm	–	NBSH1612(S)	NBSH1812(S)

※ Pre–Drilling recommended for preventing fracture during the insertion with Ø1.4

- 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) –

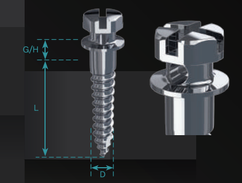


D		Ø1.4	Ø1.6	Ø1.8
G/H		1.5mm	1.5mm	1.5mm
L	6mm	NBTH1406(S)	NBTH1606(S)	NBTH1806(S)
	8mm	NBTH1408(S)	NBTH1608(S)	NBTH1808(S)
	10mm	NBTH1410(S)	NBTH1610(S)	NBTH1810(S)
	12mm	–	NBTH1612(S)	NBTH1812(S)

※ Pre–Drilling recommended for preventing fracture during the insertion with Ø1.4

- 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		Ø1.4	Ø1.6	Ø1.8
G/H		1.5mm	1.5mm	1.5mm
L	6mm	NCHO1406(S)	NCHO1606(S)	NCHO1806(S)
	8mm	NCHO1408(S)	NCHO1608(S)	NCHO1808(S)
	10mm	NCHO1410(S)	NCHO1610(S)	NCHO1810(S)
	12mm	–	NCHO1612(S)	NCHO1812(S)

※ Pre–Drilling recommended for preventing fracture during the insertion with Ø1.4

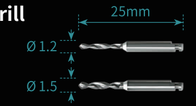
- Ligation possible with 019*025 wire
- Hole Size with Ø 0.8 (022'' wire)
- Upper hand in stability with 1.75mm neck size diameter
- (S) for abbreviation of pre-sterilized product

SPECIFICATION

Instrument & KIT of Bio-Tack S ™



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.

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



Tack S Package

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 Ceramic Technology
Biocetec

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)

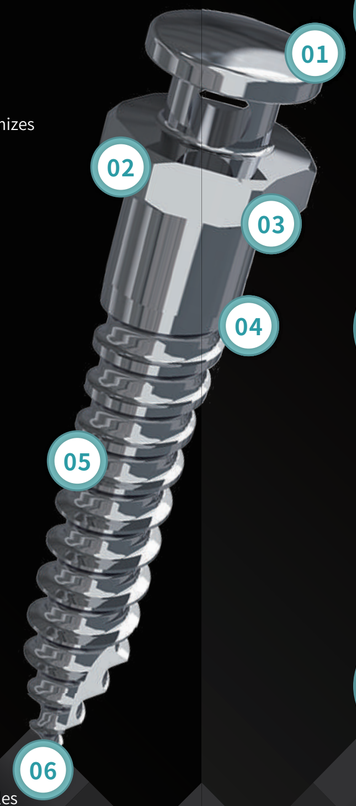
Titanium Alloy Body(Grade ELI)

· 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

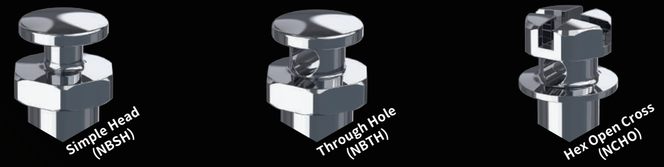
06 Sharp & Strong Apex

Sharp & Strong Apex

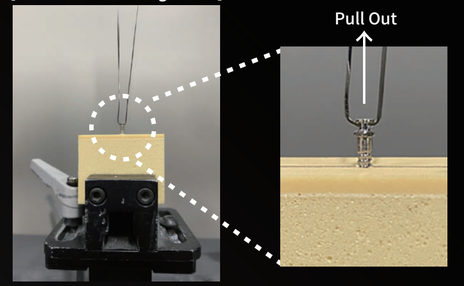
· Sharp & Strong Apex Design for stable and precise implantation by reducing the possibility of fall-out despite of the tilted angle

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

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



