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Dentos Inc.

For better orthodontic solutions

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Orthodontic Microimplant (AbsoAnchor®) System

Microimplant
- 9th ed (January. 2014)

Shift of Paradigms in Orthodontics

Microimplant (AbsoAnchor®) for orthodontic anchorage.
AbsoAnchor microimplant is a titanium screw for orthodontic anchorage that is used by implanting on maxillary and mandibular bone, and acts as a fixing agent, providing a fixed anchorage point for attachment of orthodontic appliances to facilitate the orthodontic movement of teeth.

The 1st Pioneers in Microimplant Anchorage (MIA)

Dr. Seong-Min Bae : DDS, MS, PhD

1984~90 : DDS, College of Dentistry, Kyungpook National University, Daegu, Korea
1990~93 : Intern & Orthodontic residency, Infirmary Hospotal, Kyungpook Natl. Univ
1997~99 : Full time instructor, Dept.of Dentistry, Catholic Univ., Daegu, Korea
2000.2~present : Visiting Assistant Professor, Dept. Of Orthodontics, School of Dentistry, Kyungpook Natl. Univ.
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1988~91 : Intern & Orthodontic Residency, Infirmary Hospital, Kyungpook Natl. Univ.
1994~2003 : Full time instructor, Associate professor, Dept. of Ortho. and Dentistry, Medical college, Keimyung Univ., Daegu, Korea.
2001.11~2006.10 : Visiting Associate Professor, Dept. of Ortho. Univ.of Oklahoma, Oklahoma, USA
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1986~Present : Full time instructor, Professor, Dept. of Ortho. School of Dent., Kyungpook Natl. Univ.
1991~92 : Visiting Professor, Dept. of Ortho. Faculty of Dent., Osaka Univ., Japan
1996~97 : Visiting & Clinical Associate Professor, Dept. of Ortho., Faculty of Dent., The Univ. of British Columbia, Canada
2001.1~2003.1 : Dean, College of Dent., Kyungpook Natl. Univ.
2007.11~2010.04 : President, Korean Association of Lingual Orthodontists
2010.04~present : Active member of Angle Society (East Branch)
2012.04~present : Vice president of Korean Association of Orthodontists
2015~2017 : President-elect (2015~2017) of World Society of Lingual Orthodontics

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Prof. Jae-Hyun Sung, DDS, MS, PhD

1972 : Seoul National University, DDS.
1973~80 : KyungHee University, MSD, Ph.D
1985~6 : Visiting Scholar, University of Michigan USA
1978~2004, Professor, Department of Orthodontics, Dean, Dental school Kyungpook National University(KPNU)
1998-2000: president of Korean association of Orthodontists.
2004~ Professor Emeritus KPNU and Private practice.
2010~14 : president of Korean Orthodontic Research Institute Inc.

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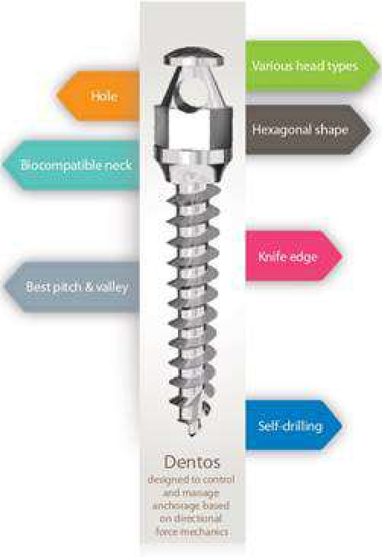
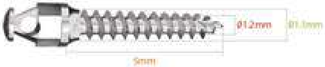
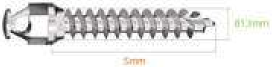


Nomenclature of AbsoAnchor® Microimplant codes

Tapered type - SH 1312 - 05



Cylinder type - SH 13 - 05



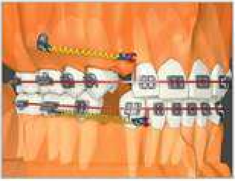
Raw Material : Titanium Alloy (Ti6Al4Va)

Variable Clinical applications include

1. Six anterior en masse retraction
2. Molar intrusion, extrusion, distalization, protraction & uprighting
3. Whole maxillary and mandibular dentition retraction
4. Midline correction
5. Anterior intrusion, extrusion and torque control
6. Intermaxillary elastics
7. Intermaxillary fixation during orthognathic surgery
8. Combination use of Transpalatal Arch
9. Perfect for lingual orthodontic treatment
10. Various direct and indirect skeletal anchorage

Types of Absoanchor Microimplant (Non-Sterilized and Sterilized)

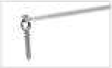
Several types of Absoanchor microimplants are available for different tasks and sites.



Absoanchor Small Head(SH) Type

Recommended Sites
Maxillary and mandibular attached gingiva including the palate.

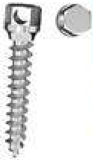
Recommended Elastomers
Nickel titanium coil spring, elastomeric thread, etc.

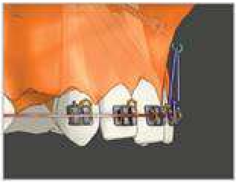


01. Small Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
13 Series	Ø1.3	SH 1312-05	SH 1312-06	SH 1312-07	SH 1312-08	SH 1312-10	SH 1312-12
14 Series	Ø1.4	SH 1413-05	SH 1413-06	SH 1413-07	SH 1413-08	SH 1413-10	SH 1413-12
15 Series	Ø1.5	SH 1514-05	SH 1514-06	SH 1514-07	SH 1514-08	SH 1514-10	SH 1514-12
16 Series	Ø1.6	SH 1615-05	SH 1615-06	SH 1615-07	SH 1615-08	SH 1615-10	SH 1615-12
20 Series	Ø2.0	SH 2018-05	SH 2018-06	SH 2018-07	SH 2018-08	SH 2018-10	SH 2018-12
13 Series	Ø1.3	SH 13-05	SH 13-06	SH 13-07	SH 13-08	SH 13-10	SH 13-12
14 Series	Ø1.4	SH 14-05	SH 14-06	SH 14-07	SH 14-08	SH 14-10	SH 14-12

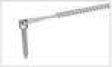


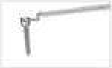


Absoanchor No Head(NH) Type

Recommended Sites
Maxillary and mandibular movable soft tissue.

Recommended Elastomers
Elastomeric thread with ligature wire hook, etc.

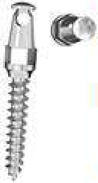


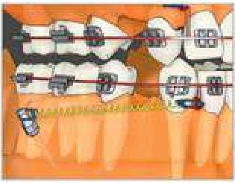


02. No Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code		
		5mm	6mm	7mm
13 Series	Ø1.3	NH 1312-05	NH 1312-06	NH 1312-07
14 Series	Ø1.4	NH 1413-05	NH 1413-06	NH 1413-07

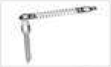


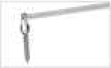


Absoanchor Long Head(LH) Type

Recommended Sites
Border area between mandibular attached gingiva and movable soft tissue.

Recommended Elastomers
Nickel titanium coil spring, elastomeric thread, etc.

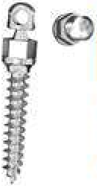


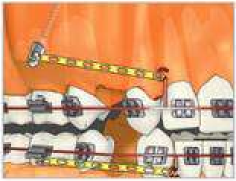


03. Long Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
13 Series	Ø1.3	LH 13-05	LH 13-06	LH 13-07			
14 Series	Ø1.4	LH 1413-05	LH 1413-06	LH 1413-07	LH 1413-08	LH 1413-10	LH 1413-12
15 Series	Ø1.5	LH 1514-05	LH 1514-06	LH 1514-07	LH 1514-08	LH 1514-10	LH 1514-12
16 Series	Ø1.6	LH 1615-05	LH 1615-06	LH 1615-07	LH 1615-08	LH 1615-10	LH 1615-12

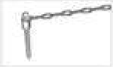


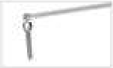


Absoanchor Circle Head(CH) Type

Recommended Sites
Maxillary and mandibular attached gingiva including palate.

Recommended Elastomers
Power chains, elastomeric thread, nickel titanium coil spring, etc.

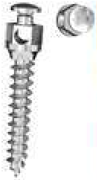


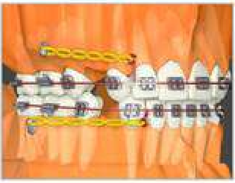


04. Circle Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code				
		6mm	7mm	8mm	10mm	12mm
13 Series	Ø1.3	CH 1312-06	CH 1312-07	CH 1312-08	CH 1312-10	CH 1312-12
14 Series	Ø1.4	CH 1413-06	CH 1413-07	CH 1413-08	CH 1413-10	CH 1413-12
15 Series	Ø1.5	CH 1514-06	CH 1514-07	CH 1514-08	CH 1514-10	CH 1514-12
16 Series	Ø1.6	CH 1615-06	CH 1615-07	CH 1615-08	CH 1615-10	CH 1615-12

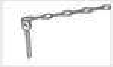


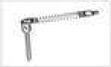


Absoanchor Power Head (PH) Type

Recommended Sites
Maxillary and mandibular attached gingiva including the palate.

Recommended Elastomers
Power chain,
Nickel titanium coil spring, etc.

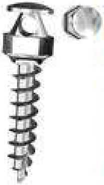


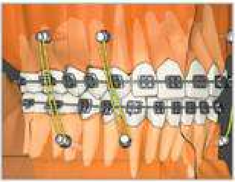


05. Power Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
13 Series	Ø1.3	PH 1312-05	PH 1312-06	PH 1312-07	PH 1312-08	PH 1312-10	PH 1312-12
14 Series	Ø1.4	PH 1413-05	PH 1413-06	PH 1413-07	PH 1413-08	PH 1413-10	PH 1413-12
15 Series	Ø1.5	PH 1514-05	PH 1514-06	PH 1514-07	PH 1514-08	PH 1514-10	PH 1514-12
16 Series	Ø1.6	PH 1615-05	PH 1615-06	PH 1615-07	PH 1615-08	PH 1615-10	PH 1615-12





Absoanchor Fixation Head(FH) Type

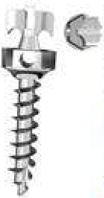
Recommended Sites
Maxillary and mandibular buccal area for intermaxillary fixation during orthognathic surgery. Also, palate including mid-palatal suture area.

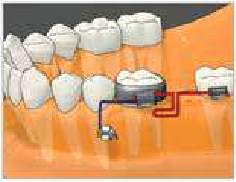
Recommended Elastomers
Ligature wire and/or rubber band for intermaxillary fixation. Also, power chains, elastomeric thread and nickel titanium coil spring, etc.

06. Fixation Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code				
		6mm	7mm	8mm	9mm	10mm
17 Series	Ø1.7	FH 1716-06	FH 1716-07	FH 1716-08	FH 1716-09	FH 1716-10
18 Series	Ø1.8	FH 1817-06	FH 1817-07	FH 1817-08	FH 1817-09	FH 1817-10





Absoanchor Bracket Head (BH) Type

- Right Handed Screws

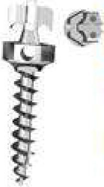
Recommended Sites
Maxillary and mandibular attached gingiva including palate. Also midpalatal suture area including para-midpalatal suture area.

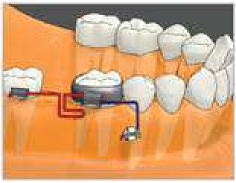
Recommended Elastomers
Power chains, elastomeric thread and nickel titanium coil spring, etc. Archwire insertion is possible.

07. Bracket Head (Right handed screw) Type

* Commonly used sizes

Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
14 Series	Ø1.4		BH 1413-06	BH 1413-07	BH 1413-08	BH 1413-10	BH 1413-12
15 Series	Ø1.5		BH 1514-06	BH 1514-07	BH 1514-08	BH 1514-10	BH 1514-12
16 Series	Ø1.6		BH 1615-06	BH 1615-07	BH 1615-08	BH 1615-10	BH 1615-12
17 Series	Ø1.7		BH 1716-06	BH 1716-07	BH 1716-08	BH 1716-10	BH 1716-12
18 Series	Ø1.8		BH 1817-06	BH 1817-07	BH 1817-08	BH 1817-10	BH 1817-12
27 Series	Ø2.7	BH 2722-05	BH 2722-06	BH 2722-07			





Absoanchor Bracket Head (BH-L) Type

- Left Handed Screws

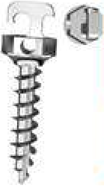
Recommended Sites
Maxillary and mandibular attached gingiva including palate. Also midpalatal suture area including para-midpalatal suture area.

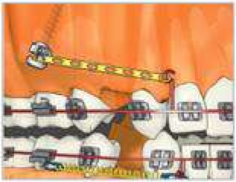
Recommended Elastomers
Power chains, elastomeric thread and nickel titanium coil spring, etc. Archwire insertion is possible.

08. Bracket Head (Left handed screw) Type

* Commonly used sizes

Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
14 Series	Ø1.4		BH 1413-06-L	BH 1413-07-L	BH 1413-08-L	BH 1413-10-L	BH 1413-12-L
15 Series	Ø1.5		BH 1514-06-L	BH 1514-07-L	BH 1514-08-L	BH 1514-10-L	BH 1514-12-L
16 Series	Ø1.6		BH 1615-06-L	BH 1615-07-L	BH 1615-08-L	BH 1615-10-L	BH 1615-12-L
17 Series	Ø1.7		BH 1716-06-L	BH 1716-07-L	BH 1716-08-L	BH 1716-10-L	BH 1716-12-L
18 Series	Ø1.8		BH 1817-06-L	BH 1817-07-L	BH 1817-08-L	BH 1817-10-L	BH 1817-12-L
27 Series	Ø2.7	BH 2722-05-L	BH 2722-06-L	BH 2722-07-L			





Absoanchor Hook Head(HH) Type

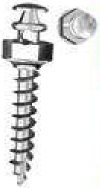
Recommended Sites
Maxillary and mandibular attached gingiva including palate.

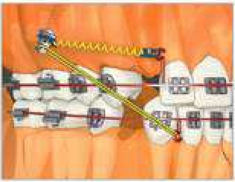
Recommended Elastomers
Power chains, elastomeric thread, nickel titanium coil spring, etc.

09. Hook Head Type

* Commonly used sizes

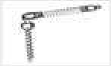
Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
15 Series	Ø1.5	HH1514-05	HH1514-06	HH1514-07	HH1514-08	HH1514-10	HH1514-12
16 Series	Ø1.6	HH1615-05	HH1615-06	HH1615-07	HH1615-08	HH1615-10	HH1615-12
17 Series	Ø1.7	HH1716-05	HH1716-06	HH1716-07	HH1716-08	HH1716-10	HH1716-12
18 Series	Ø1.8	HH1817-05	HH1817-06	HH1817-07	HH1817-08	HH1817-10	HH1817-12
20 Series	Ø2.0	HH2018-05	HH2018-06	HH2018-07	HH2018-08	HH2018-10	HH2018-12



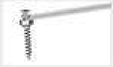


Absoanchor Double Head(DH) Type

Recommended Sites
Maxillary buccal attached gingiva.



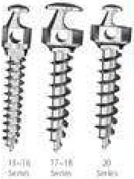
Recommended Elastomers
Intermaxillary elastic with nickel titanium coil spring, power chain and elastic thread, etc.

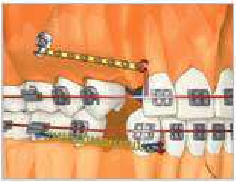


10. Double Head Type

* Commonly used sizes

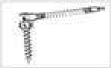
Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
15 Series	Ø1.5	DH1514-05	DH1514-06	DH1514-07	DH1514-08	DH1514-10	DH1514-12
16 Series	Ø1.6	DH1615-05	DH1615-06	DH1615-07	DH1615-08	DH1615-10	DH1615-12
17 Series	Ø1.7	DH1716-05	DH1716-06	DH1716-07	DH1716-08	DH1716-10	DH1716-12
18 Series	Ø1.8	DH1817-05	DH1817-06	DH1817-07	DH1817-08	DH1817-10	DH1817-12
20 Series	Ø2.0	DH2018-05	DH2018-06	DH2018-07	DH2018-08	DH2018-10	DH2018-12



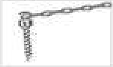


Absoanchor Golf Head(GH) Type

Recommended Sites
Maxillary and mandibular attached gingiva including the palate.



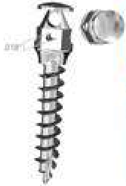
Recommended Elastomers
Power chain, nickel titanium coil spring, elastic thread, etc.

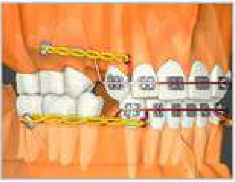


11. Golf Head Type

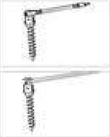
* Commonly used sizes

Series	Diameter (Ø)	Code					
		5mm	6mm	7mm	8mm	10mm	12mm
13 Series	Ø1.3	GH 1312-05	GH 1312-06	GH 1312-07	GH 1312-08	GH 1312-10	GH 1312-12
14 Series	Ø1.4	GH 1413-05	GH 1413-06	GH 1413-07	GH 1413-08	GH 1413-10	GH 1413-12
15 Series	Ø1.5	GH 1514-05	GH 1514-06	GH 1514-07	GH 1514-05	GH 1514-10	GH 1514-12
16 Series	Ø1.6	GH 1615-05	GH 1615-06	GH 1615-07	GH 1615-08	GH 1615-10	GH 1615-12
17 Series	Ø1.7	GH 1716-05	GH 1716-06	GH 1716-07	GH 1716-08	GH 1716-10	GH 1716-12
18 Series	Ø1.8	GH 1817-05	GH 1817-06	GH 1817-07	GH 1817-08	GH 1817-10	GH 1817-12
20 Series	Ø2.0	GH 2018-05	GH 2018-06	GH 2018-07	GH 2018-08	GH 2018-10	GH 2018-12





Absoanchor Tube Head (TH) Type



Recommended Sites
Maxillary and mandibular attached gingiva including the palate.
Archwire insertion is possible.

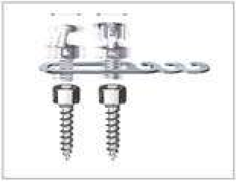
Recommended Elastomers
Nickel titanium coil spring,
Elastomeric thread, etc.

12. Tube Head Type

* Commonly used sizes

Series	Diameter (Ø)	Code							
		5mm	6mm	7mm	8mm	9mm	10mm	11mm	12mm
18 Series	Ø1.8	TH 1817-05	TH 1817-06	TH 1817-07	TH 1817-08	TH 1817-09	TH 1817-10	TH 1817-11	TH 1817-12
20 Series	Ø2.0	TH 2018-05	TH 2018-06	TH 2018-07	TH 2018-08	TH 2018-09	TH 2018-10	TH 2018-11	TH 2018-12

Lower Part



Absoanchor Joint Head(JH) Type

Recommended Sites
Maxillary and mandibular attached gingiva including the palate.

Recommended Elastomers
Depends on the upper part.
Non-invasive mini-plate.

13. Joint Head Type - Lower

* Commonly used sizes

Series		Diameter (Ø)	Code					
			5mm	6mm	7mm	8mm	10mm	12mm
Lower Type	16 Series	Ø1.6	JL 1615-05	JL 1615-06	JL 1615-07	JL 1615-08	JL 1615-10	JL 1615-12
	17 Series	Ø1.7	JL 1716-05	JL 1716-06	JL 1716-07	JL 1716-08	JL 1716-10	JL 1716-12
	18 Series	Ø1.8	JL 1817-05	JL 1817-06	JL 1817-07	JL 1817-08	JL 1817-10	JL 1817-12
	20 Series	Ø2.0	JL 2018-05	JL 2018-06	JL 2018-07	JL 2018-08	JL 2018-10	JL 2018-12

14. Joint Head Type - Upper

Series		Diameter (Ø)	Code				
			17mm				
Upper Type	16 Series	Ø1.6	JBH 16-17	JHH 16-17	JFH 16-17	JGH 16-17	JNH 16-17

Upper Part

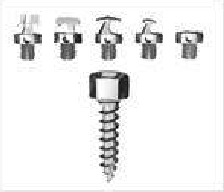
Absoanchor **Joint Bracket Head(JBH) Type**

Absoanchor **Joint Hook Head(JHH) Type**

Absoanchor **Joint Fixation Head(JFH) Type**

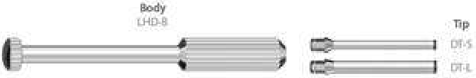
Absoanchor **Joint Golf Head(JGH) Type**

Absoanchor **Joint No Head(JNH) Type**



Long Hand Driver

LHD-B TWO piece type



Driver Tip

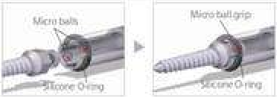
DT-S

use
SH, NH, LH, CH, PH
GH 13 Series, GH 14 Series
GH 15 Series, GH 16 Series

DT-L

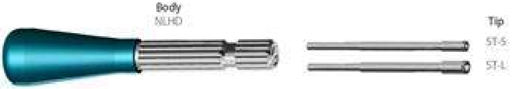
use
FH, BH, HH, DH, JH, TH
GH 17 Series, GH 18 Series, GH 20 Series, SH 20 Series

Micro dual ball grip system



New Long Hand Driver

NLHD



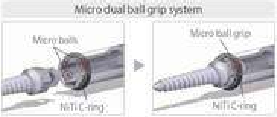
Driver Tip

ST-S

use :
SH, NH, LH, CH, PH
GH 13 Series, GH 14 Series
GH 15 Series, GH 16 Series

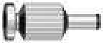
ST-L

use
FH, BH, HH, DH, JH, TH
GH 17 Series, GH 18 Series, GH 20 Series, SH 20 Series



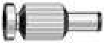
Short Hand Driver

SHD-S

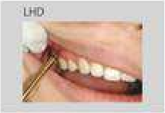


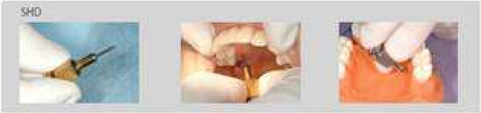
use
SH, NH, LH, CH, PH
GH 13 Series, GH 14 Series, GH 15 Series, GH 16 Series

SHD-L



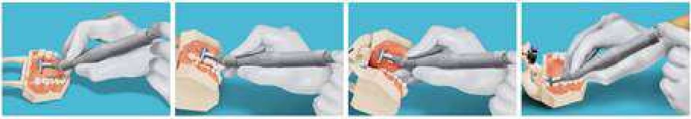
use
FH, BH, HH, DH, JH, TH
GH 17 Series, GH 18 Series, GH 20 Series, SH 20 Series





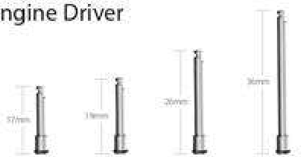
Hand Contraangle Driver

HCD



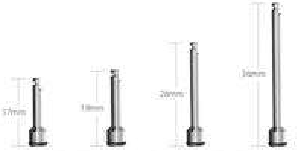
1. Hand Contraangle Driver(HCD) is designed to place Absoanchor microimplant using hands without low speed motor.
2. Any kind of common (1:1) low speed contraangle handpiece(CH) can be attached to the HCD. Various size of Engine Driver(ED) should be inserted into the contraangle handpiece.
3. HCD with contraangle handpiece is easy to access on the limited sites which are difficult to access with straight long and short hand driver.
4. For examples, retromolar area, tuberosity, palate, maxillary and mandibular buccal posterior area are easy to access for removal as well as driving.
5. When we use Hand Contraangle Driver, the operator can feel the resistance easily during driving and removal of microimplant compare to electric motor driving.

Engine Driver



ED17-S ED19-S ED26-S ED36-S

use
SH, NH, LH, CH, PH
GH 13 Series, GH 14 Series, GH 15 Series, GH 16 Series

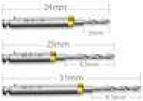


ED17-L ED19-L ED26-L ED36-L

use
FH, 8H, HH, DH, JH, TH
GH 17 Series, GH 18 Series, GH 20 Series, SH 20 Series

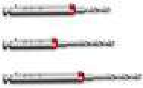
Pilot Drill

PD-24-0.9
PD-25-0.9
PD-31-0.9



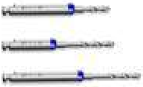
Yellow
Ø0.9

PD-24-1.0
PD-25-1.0
PD-31-1.0



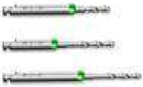
Red
Ø1.0

PD-24-1.1
PD-25-1.1
PD-31-1.1



Blue
Ø1.1

PD-24-1.2
PD-25-1.2
PD-31-1.2



Green
Ø1.2

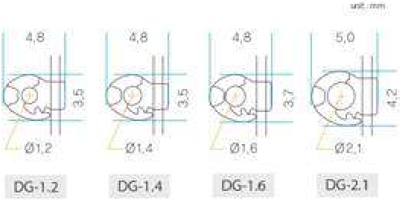
0.2mm-0.3mm smaller Pilot Drill than Microimplant diameter is recommended.
Ex) SH1312-07 → PD-25-0.9, SH1413-06 → PD-25-1.0

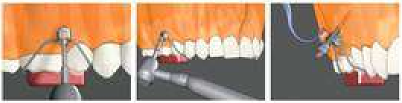
Recommended depth of drilling is length of Microimplant to be placed.

24mm is very useful to use on the buccal area.

25mm & 31mm are designed for palate.

Drill Guide





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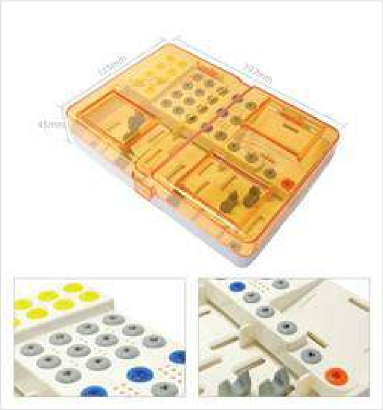
Sample Model

Components of a sample model

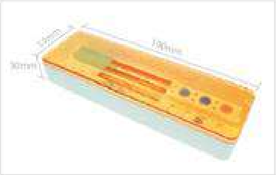
- Typodont 1ea
- Labial Brackets 1 set
- Micro-Implants
- Nickel titanium Closed Coil Spring

- Variable Crimpable Hook
- Elastomeric Threads
- Power Chain

Regular Case



Mini Case



Regular case with Mini case

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Kinds of Start Kit

You can choose specific size of the pilot drills & microimplants what you want.

Start Kit

Components

1. NLHD+ST-S : 1ea
2. HCD : 1ea
3. ED19-S : 1ea
4. PD-25-1.0 : 1ea
5. PD-31-1.0 : 1ea
6. Microimplants : 6 pkg
   (SH1312-06, 07, 08 & SH1413-06, 07, 08)

Free

7. Regular Case : 1ea
8. Brochure & Guide-CD

Mini Kit

Components

1. NLHD+ST-S : 1ea
2. SHD-S : 1ea
3. PD-25-1.0 : 1ea
4. Microimplants : 4 pkg (SH1312-07, 08 & SH1413-06, 07)

Free

5. Mini Case : 1ea
6. Brochure & Guide-CD

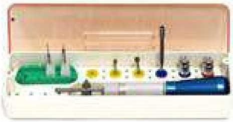
Instrument Kit

Components

1. NLHD+ST-S : 1ea
2. ST-L : 1ea
3. SHD-S : 1ea
4. SHD-L : 1ea
5. ED19-S : 1ea
6. ED19-L : 1ea
7. PD-24-1.0 : 1ea
8. PD-25-1.0 : 1ea

Free

9. Mini case : 1ea
10. Brochure & Guide-CD



Cleaning and Sterilization

1. Conventional cleaning

All the Absoanchor instruments must be cleaned thoroughly according to the cleaning material manufacturer's instructions just after disinfection. This will prevent any deposits from drying on the surface of the instruments which will make cleaning even more difficult. In order to avoid corrosion and discoloration, please follow the cleaning material manufacturer's instructions carefully regarding concentration, duration and temperature.

In general the following points should be observed :

1) Concentration : the concentrate must be entirely dissolved before the instruments are added.
2) Duration : never overnight, never over the weekend
3) Temperature : maximum 25°C/77°F

Any deposits, soiling etc. must be entirely removed using a soft brush (never use a metal brush, scouring agent, scouring pads or too much force). Movable instruments must be cleaned in opened position. The cleaning material must be renewed daily in order to avoid corrosion of the instruments and evaporation and contamination of the solution.

2. Ultrasonic cleaning

When using ultrasonic unit for cleaning, please follow the manufactuer's instructions for use.

In general the following points should be observed :

1) The unit must be filled to the marked level with water and a suitable disinfectant and or cleaning liquid. Please follow the cleaning material manufacturer's directions regarding concentration, duration and temperature.
2) The instruments must be completely covered with the cleaning liquid.
3) The instruments must be placed into a special basket inside the ultrasonic unit for cleaning (in order to prevent damage, the instruments must never be placed loosely into the unit).
4) Movable instruments must be placed into the unit in opened position for cleaning.
5) The cleaning solution should be renewed in short intervals as a dirty cleaning solution can cause corrosion damage to the instruments.

Please note : When using a combination of disinfectant and cleaning liquid together the points describing disinfection and cleaning may be combined.

3. Rinsing and drying

With any type of disinfectant and cleaning method the same rule applies; any residues of disinfectant and cleaning materials as well as other deposits must be removed entirely from the surface and from the instrument joints. If there are still residues left on the instruments the whole cycle must be repeated in order to avoid damage. The instruments must be thoroughly rinsed immediately after disinfection and cleaned using clear water, free of any salt content, or distilled water (no tap water).

In order to avoid water marks, the instruments must be dried carefully. It is advisable to dry them with compressed air. If rinsing is missed or not all the residue in entirely removed and the instruments are not dried adequately, it may lead to discoloration and corrosion on the instruments during the next sterilization process.

4. Sterilization

Hot air sterilization is not recommended due to the wear and tear on the instruments and the case, resulting in blunt and unsightly equipment.

Apart from following the steam sterilizer's instructions for use, the following points should be observed :

1) Sterilize at a temperature of 121°C/249°F for a minimum duration of 20minutes. (or 135°C/275°F, 3minutes etc.)
2) A sterilization temperature of over 180°C/356°F can cause discoloration of the instruments.

Only carefully cleaned, dried corrosion-free instruments may be sterilized. Badly cleaned and poorly dried instruments can result in corrosion damage. If rusty instruments are sterilized together with instruments which are in a good condition, the spotless instruments will become ruined (flash rust). Such instruments must be sorted out and these defects removed. Movable instruments must be sterilized in an opened position. Only distilled water and water free of any salts may be used in the steam sterilizer. If tap water is used, the tiniest contamination (such as rust particles) can cause discoloration and result in damage to the instruments and sterilizing unit. The instruments must not be held in a moist condition for too long. The door to the sterilizing unit must be opened immediately after the process has ended and if necessary the instruments dried using sterile cloths. The instruments must be stored sterile.

5. Step by step sterilization procedures including Microimplants using the kit case

1. Cut the plastic envelope with scissors (Fig. 1).
2. Take out the microimplant sterilization package (Fig. 2).
3. Place the microimplant sterilization package into the kit case with other instruments including metal scissors (Fig. 3).
4. Insert the kit case into the cotton package (Fig. 4).
5. Insert the kit case into the autoclave (Fig. 5) or EO gas sterilizer (Fig. 6). Follow the instruction of manufacturer.

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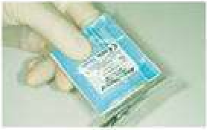
Fig. 1

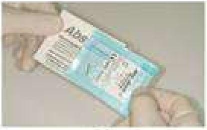
Fig. 2

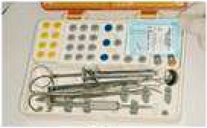
Fig. 3

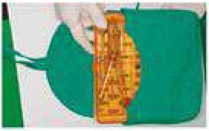
Fig. 4

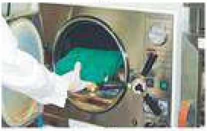
Fig. 5

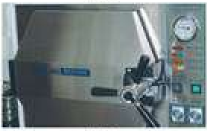
Fig. 6

6. Microimplant installation procedures into driver

1. Cut the microimplant sterilization package just above the microimplant head area (Fig. 7).
2. Grip the screw portion of microimplant using microimplant sterilization package and insert the driver tip into the microimplant sterilization package (Fig. 8).
3. Take out the microimplant using hand driver (Fig. 9).

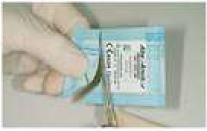
Fig. 7

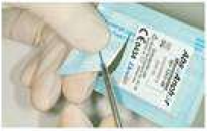
Fig. 8

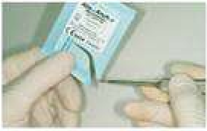
Fig. 9

7. Sterilized Package - No need sterilization

1. Detach clear plastic film from paper sheet (Fig. 10 & 11).
2. Remove the silicone cap of microimplant containing bottle (Fig. 12).
3. Grip the narrow part of the bottle with fingers and insert driver tip to the head of microimplant (Fig. 13).
4. Take out the microimplant attached with the driver (Fig. 14).

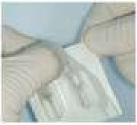
Fig. 10

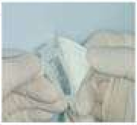
Fig. 11

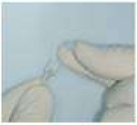
Fig. 12

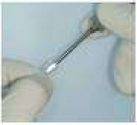
Fig. 13

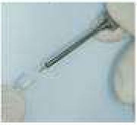
Fig. 14

8. Miscellaneous

BATCH CODE	DO NOT REUSE	USE BY	DATE OF MANUFA	STERILIZED USING IRRADIATION	CATALOGUE NUMBER	CONSULT INSTRUCTIONS FOR USE	CAUTION	MANUFACTURER	DO NOT USE IF PACKAGE IS DAMAGED
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Surgical Procedures

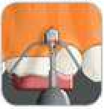
A. One-Step Self Drilling (Drill-Free) Method (Attached Gingival Area)

1. Anesthesia

2. Implant driving

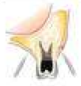
3. After implantation

Usage of Drill Guide

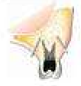


B. Two-Step Self Drilling (Drill-Free) Method (Attached Gingival Area)

1. Anesthesia


2. Round bur

3. Implant driving


4. After implantation

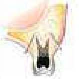
C. Self-Tapping (Pre-Drilling) Method (Attached Gingival Area)

1. Anesthesia

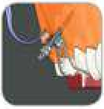
2. Round bur

3. Pilot drilling

4. Implant driving


5. After implantation

Usage of Drill Guide



D. Self-Tapping (Pre-Drilling) Method (Movable Mucosal Area)

1. Incision

2. Mucosal retraction

3. Indentation (round bur)

4. Pilot drilling

5. Implant driving

6. After implantation

Self drilling method is possible when the cortical bone is not so hard. Must never apply unreasonable press down because there is possibility of fracture of screw tip if resistance is strong when using self drilling method.
Just try to rotate the screw using driver with gentle pressure and speed of less than 20 RPM.

Method for removal.
1) Perform topical local anesthesia.
2) Unscrew the microimplant from the bone using hand or engine driver.

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