2 0 1 8

P R O D U C T

C A T A L O G

※ This catalog contains all products of DIO Corporation.
Please check with your local sales office and your sales representative if you are able to order products.
National / regional sales office contacts are listed in this catalog 18 page.

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049 Temporary Abutment

050 Cemented Abutment

053 Angled Abutment

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Abutment Screw

Cement - Retained Restorations

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067 Ball Abutment

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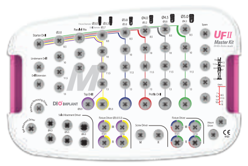
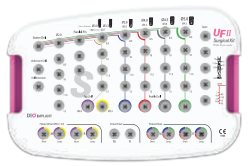
Surgical Kit

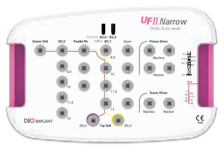
076 UF(II) Master kit
※Surgical / Prosthetics Tool



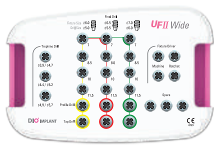
076 UF(II) Surgical Kit
※Surgical Tool



088 UF(II)Narrow kit



092 UF(II) Wide Kit



R REGULAR W WIDE

040 UF(II) Regular ø3.8/4.0/4.5/5.0/5.5 Wide ø6.0/6.5/7.0

042 Cover Screw

042 Healing Abutment

Cemented / Screw - Retained Restorations

047 Pick-up Impression Coping

048 Transfer Impression Coping

049 Fixture Analog

049 Temporary Abutment

050 Cemented Abutment

052 Mill Abutment

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Abutment Screw

Cement - Retained Restorations

057 Solid Abutment

058 Protect Cap

058 Impression Cap

059 Solid Abutment Analog

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N
NON SUBMERGED

Cemented / Screw - Retained Restorations

Cement - Retained Restorations

Screw - Retained Restorations

Overdenture - Retained Restorations

Surgical Kit

FTN External System

F
F T N

Cemented / Screw - Retained Restorations

Screw - Retained Restorations (Long)

Screw - Retained Restorations (Short)

Overdenture - Retained Restorations

Surgical Kit

Protem Mini System

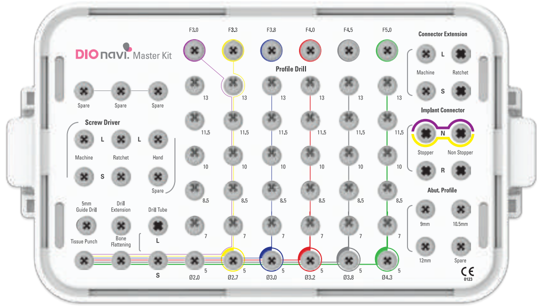
P
Protem

Digital Materials

DIOnavi. Surgical Kit

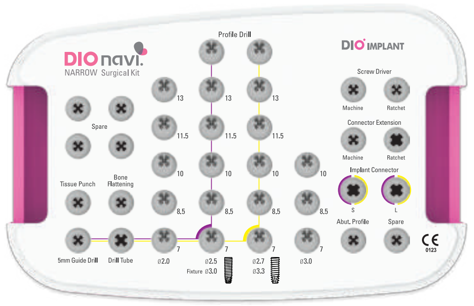
222
DIOnavi. Master Kit

This kit enables implant placement with UF(II) Narrow Ø3.0 Ø3.3
UF(II) Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Fixture.
Kit Guide Sleeve GS53



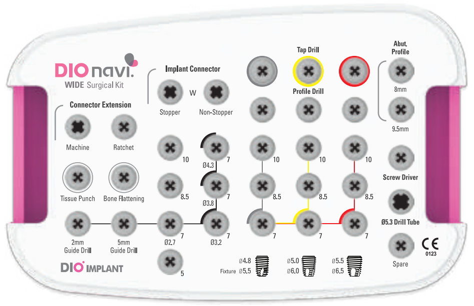
231
DIOnavi. Narrow Kit

This kit enables implant placement with
UF(II) Narrow Ø3.0 Ø3.3 Fixture. Guide Sleeve GSL36/GS36



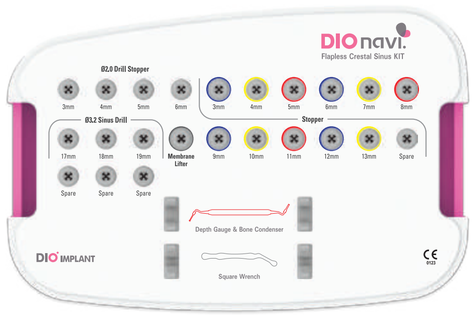
238
DIOnavi. Wide Kit

This kit enables implant placement with
UF(II) Wide Ø5.5 Ø6.0 Ø6.5 Fixture. Guide Sleeve GS68GN



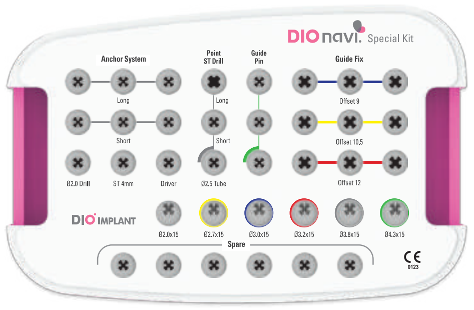
244
DIOnavi. Flapless Crestal Sinus Kit

This kit enables flapless maxillary sinus surgery by crestal approach.



246
DIOnavi. Special Kit

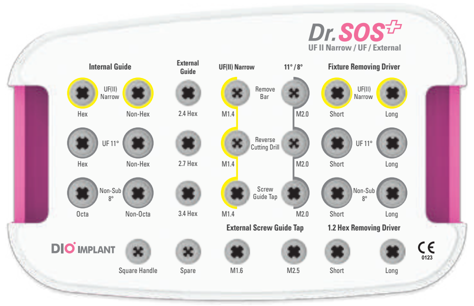
This exclusive kit enables surgery on edentulous patients.



Surgical Kit

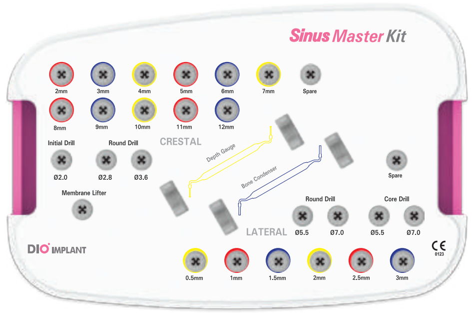
252
Dr.SOS UF(II) Int. Sub. Narrow / UF / External Kit

Problems like fracture of screw from excessive torque, wearing of connections,
and jamming of foreign matters during prosthetic process of implant placement are resolved safely and quickly.



257
Sinus Master Kit

Crestal Approach Technic • Lateral Approach Technic



DIO in the Future

Redesigning
it for the
Future

| Future of DIO |

Realizing the creation of
a **World Class Digital Dentistry**
through sustainable
new growth!

DIGITAL IMPLANT

Digital Implant Solutions

DIGITAL ORTHODONTICS

Digital Ortho Solutions

DENTAL EQUIPMENT

A solution for smart treatment

Optimal digital dentistry that is brought to perfection
Research & Development

DIO offers optimal digital solutions and focuses on the development of products that can improve quality of medical treatment.

01 R&D system to reach the top of the world
RESEARCH & DEVELOPMENT

IMPLANT R&D	Implant Research Institute is concentrating on the development of products and research on new interpretative technologies for the purpose of developing new growth and frontier technologies that would open up the future of implant.
DDS R&D	DIO Digital Solutions Research Institute offers digital solutions optimized for dentistry and focuses on the devleopment of products that can improve quality of medical treatment.

02 Precise technology production system to produce flawless implant production
PRODUCTION FACILITIES

Production Management HQ	Advanced and automated production line built in Centum City, an advanced future city, are controlled automatically for fundamental prevention of defects and contaminations. All products are 100% produced by our company for flawless implant production.
Quality Management HQ	Strict inspection and management of final products by Quality Management HQ of DIO satisfy the global standards, reducing production error to be as close to zero as possible.

DIO leads the global digital dentistry.
We'll make a company acknowledged for its values.

DIO offers optimal digital solutions and focuses on the development of products.
DIO thinks a step ahead and presents the future path of digital dentistry.

01 Digital Implant Solutions
DIGITAL IMPLANT

IMPLANT SYSTEM	UFII	FTN	PROTEM
DIGITAL IMPLANT	DIOnavi.		

02 Digital Ortho Solutions
DIGITAL ORTHODONTICS

DIGITAL ORTHO DONTICS	DIO ORTHO navi.

03 A solution for smart dental treatment
DENTAL EQUIPMENT

DIGITAL SOLUTION	SMARTnavi.	DIO 3D print	3Shape	Ivoclar Vivadent Digital

The history of DIO

DIO,
the beginning of
a New Challenge

Beginning of new advancement

Management philosophy of DIO aims to reach the top of the world with its customers.

DIO Implant has pioneered a new market called digital implant.
DIO Implant will continue its challenges and innovations to
build the future of digital dentistry.

2011~2017

2017 _ Exceeded 70,000 cumulative holes of DIOnavi.
2017 _ Launched DIO digital orthodontic solution (DIO ORTHOnavi.)
2016 _ Signed MOU on international multilateral study (9 Countries)
2016 _ Launched DIO Digital Academy(DDA)
2016 _ Founded J/V in Iran, China and Japan
2016 _ Hosted DIM 2016
2016 _ Launched SMARTnavi.
2016 _ Exceeded cumulative sales of 2.5 million UF(II) Implant
2016 _ Selected as the supervisor of Core Biomedical Technology Project
(Development of automated tooth prep surgery system using 3D digital technology
- total project expense of 7.0 billion Korean won)
2015 _ Selected as a world class 300 company
2015 _ Launched Digital Abutment
2013 _ DIO Digital Solutions, Trione Launched
2013 _ First stage overseas subsidiary build up
USA, Canada, China, Japan, Mexico, Taiwan, Brazil, Hong Kong,
Australia, Indonesia, Europe, Turkey
2012 _ HSA (Hybrid Sand Blast & Acid etched) Surface Treatment Launched
2012 _ UF(II) HSA Implant Launched
2012 _ UF Surgical Drill Launched (Drills - Swiss made)
2011 _ UF Implant System Launched
2011 _ DIO Active (Ion Implantation) Surface Treatment Launched

2008~2010

2010 _ Customized Abutment I-Fit Launched
2010 _ I-Tero Dental IT System Launched
2010 _ Narrow Implant System Launched
2010 _ BioMatrix Stent, the First Sales Launched in Korea
2009 _ SM Implant China SFDA Approval
2009 _ Pledge Agreement for 1 Billion Social Contribution Fund Over 10 Years Korean Dental Association
2009 _ Stent BMS ISO 13485 Certification, European CE Certification
2008 _ Company Name Change to DIO, Inc.
2008 _ U.S. FDA Approval (Bio Tite H Implant)
2008 _ Patent Approval, Coronary Arterial Expansion Stent
2008 _ DIO Mexico Incorporated
2007 _ Beijing D.S.I. Science & Trade Co. Ltd. Incorporated
2007 _ KGMP Certification

2005~2007

2006 _ Ministry of Commerce, Industry & Energy Bioactive Implant Government Initiative
2006 _ Medical Equipment Joint Development Agreement with German Biosteel Medical Co.
2006 _ DIO Thailand Incorporated
2006 _ DIO Australia Co. Ltd. Incorporated
2006 _ U.S. FDA Approval Obtained
2006 _ Vietnam Affiliate Company Founded
2006 _ European CE Certification Obtained

Sales Network

70

Exporting to about 70 countries around the world

With excellent and competitive products proven by various export tower awards, products of DIO are sold in about 70 countries in the world.

7

Founded 7 overseas subsidiaries

DIO will grow into global top 3 by launching local subsidiaries in the United States, Japan, China, Taiwan, Mexico, Australia and Iran.

U.S.A.
3540 Wilshire Blvd #1104, Los Angeles, CA 90010 USA
t. +1-213-365-2875 **f.** +1-213-800-1822 **homepage** www.dioimplantusa.com
email usahq@dioimplantusa.com **facebook** @dio implant usa

Japan
1F, 2 Chome-3-20, Nakamachi,Machida-shi, TOKYO, MACHIDA, Japan
t. +81-80-7034-2353 **f.** +81-45-662-4506 **homepage** www.diodigital.co.jp
email info@diodigital.co.jp **facebook** @diodigital

Japan(J/V)
Yaesu Daibiru Building B1F , 1-1-1 Kyobashi, Chuo-ku ,Tokyo ,104-0031 Japan
t. +81-3-3516-1311

China
Tower Room 1004, 10/F, Building A QuanShiTianDi, No.50 Wangjing West Road, Chaoyang District, Beijing, 100102 China
t. + 86-4000-31-130 + 86-10-6439-1890 **f.** +86-10-6439-1052 **email** china@dioimplant.com

Taiwan
9-2F., No.17, Lane 91, Neihu RD, Neihu District, Taipei City, Taiwan, R.O.C
t. +886-988-970-702 **f.** +886-2-8752-3019 **homepage** http://www.dioimplant.com.tw
email taiwan@dioimplant.com **facebook** @dio implant taiwan

Mexico
Lago Bolsena 209 Col. Los Manzanos CP 11460 Cdmx, Mexico
t. +52 55 5207 3645 +52 55 6394 8061 **homepage** http://dionavi.mx/
email mexico@dioimplant.com **facebook** @DIOnavi Mexico

Austraila
Level 11, 33 York st. Sydney NSW 2000 Austraila
t. +61-2-9279-1422 **f.** +61-2-9279-1477 **email** info@dioasiapacific.com **facebook** @dio implant australia

Iran
1st & 4th Floor, No.231, Citizen Building, Motahari St., Tehran, Iran
t. +98-21-42893 **f.** +98-21-42893 **email** Info@diopars.com

India(J/V)
1202-03 & 1206-09, Galleria Commercial Tower, DLF Phase IV, Gurugram, Haryana 122 009. India
t. +91-124-4751803 **email** info@dioimplant.co.in **facebook** @dio india

IMPLANT SYSTEM

IMPLANT SYSTEM

2018 PRODUCT CATALOG

UFⅡ Int. Submerged System

UFⅡ Narrow

D Ø3.0 ı Ø3.3
L 8.5 ı 10 ı 11.5 ı 13 ı 15

HSA

UFⅡ Regular

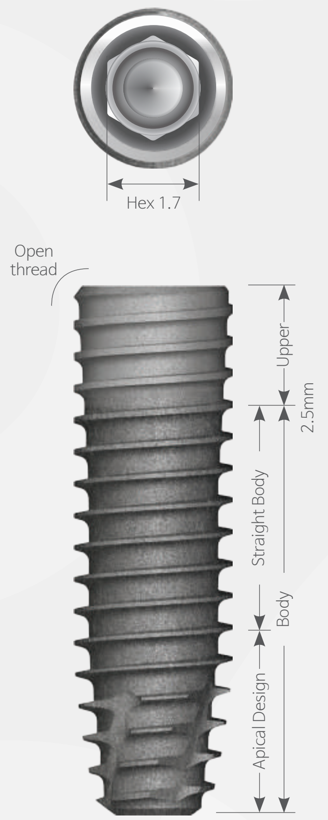
D Ø3.8 ı Ø4.0 ı Ø4.5 ı Ø5.0 ı Ø5.5
L 7 ı 8.5 ı 10 ı 11.5 ı 13 ı 15 ı 16 ı 18

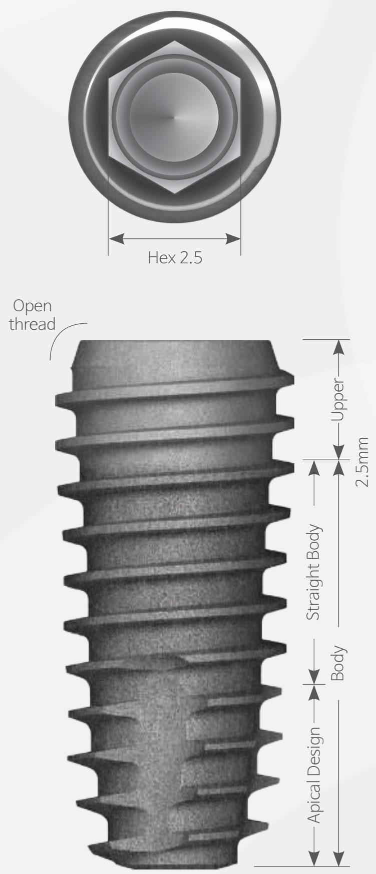
HSA | UV+ | Mg+

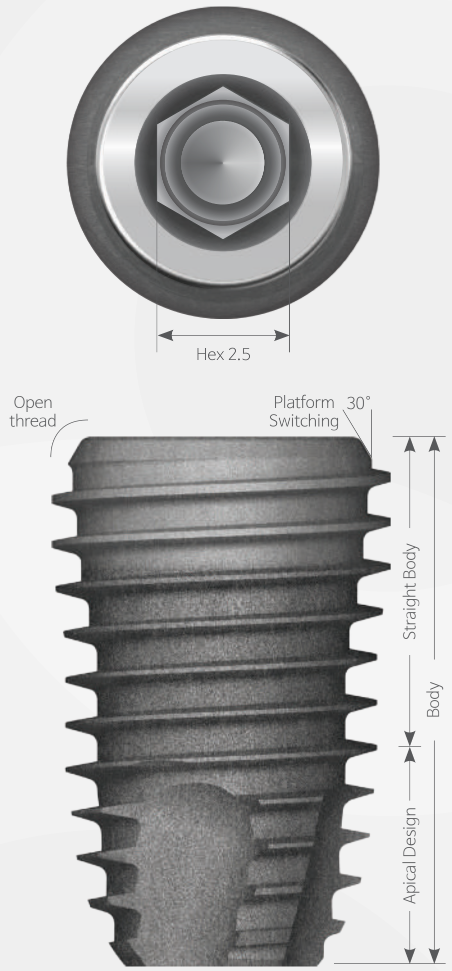
UFⅡ Wide

D Ø6.0 ı Ø6.5 ı Ø7.0
L 7 ı 8.5 ı 10 ı 11.5 ı 13 ı 15

HSA | UV+







Upper Thread
A taper thread is applied to straight body, effectively dispersing stress at the top of implant. Threads have higher depth in the apical portion and then decreases gradually into the platform.
This design improves blood supply and lessees the empty space in cortical bone to reduce time of bone formation.

Straight Body
The longer the implant length, the longer the straight body. Therefore, long implant can be placed stably without arousing sudden changes during surgery as in straight type implant.

Morse Tapered Connection 11˚
Perfect connection of abutment and fixture is guaranteed. Impact on the fixture is reduced and bone loss is minimized.

Open Thread
During placement of the fixture, it can be placed deep without additional drilling by minimizing resistance.

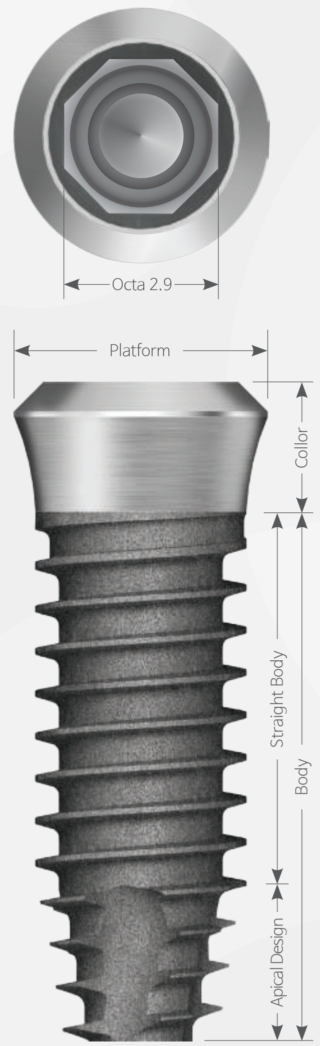
Cutting Edge
Self-tapping is maximized by sharp edge.

UFⅡ Int. Non Submerged System

UFⅡ Internal

P Ø4.8 ı Ø6.0
D Ø3.6 ı Ø4.0 ı Ø4.5 ı Ø5.0 ı Ø5.5
L 7 ı 8.5 ı 10 ı 11.5 ı 13

HSA



Upper Thread
A taper thread is applied to straight body, effectively dispersing stress at the top of implant. Threads have higher depth in the apical portion and then decreases gradually into the platform.
This design improves blood supply and lessees the empty space in cortical bone to reduce time of bone formation.

Straight Body
The longer the implant length, the longer the straight body. Therefore, long implant can be placed stably without arousing sudden changes during surgery as in straight type implant.

Morse Tapered Connection 8˚
Perfect connection of abutment and fixture is guaranteed. Impact on the fixture is reduced and bone loss is minimized.

Apical Design
A 12˚ taper is applied for easy initial insertion when undersized implant site is prepared in poor bone density.

Cutting Edge
Self-tapping is maximized by sharp edge.

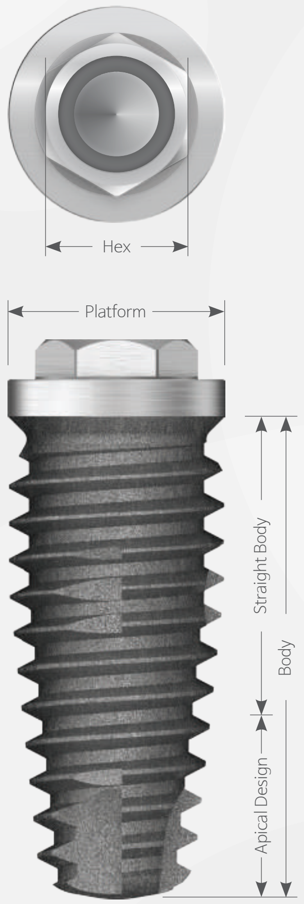
FTN External System

FTN

Platform	Ø3.5	Ø4.1	Ø4.1	Ø5.1	Ø5.1	Ø5.0
Diameter	Ø3.3	Ø4.0	Ø4.5	Ø5.0	Ø5.5	Ø5.0
Hex	2.4	2.7	2.7	3.4	3.4	2.7

Length 8.5 | 10 | 11.5 | 13 | 15

HSA



Compatibility of abutment
External hex connection that is compatible with Branemark System

Root Type Body Design
Minimize possibility of damaging of nearby dental root and fenestration in labial bone. Implant can be placed immediately upon extraction of tooth because it has similar shape of root as natural dental root.

No-Mount System
A mount-free dental implants remove the burden of having to remove the mount during surgery and shorten time of surgery. ※ A separate fixture mount can be provided depending on the preference of the operator.

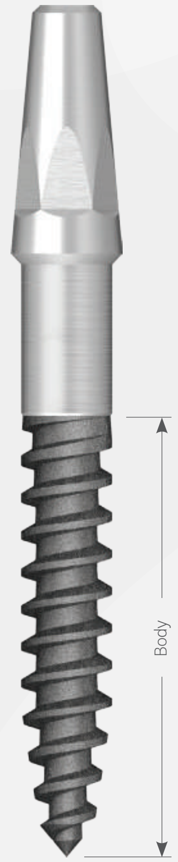
Rotation Stopper (Instrument)
A detachable rotating stopper is attached to the drill to maintain safe drilling depth and minimize damaging of the cortical bone when drilling.

Protem Mini System

Post Type

D Ø2.0 | Ø2.5 | Ø3.0
L 10 | 12 | 14 | 16

RBM Brushite(CaP)



Mini Implant
One piece implants used for single stage implant surgery

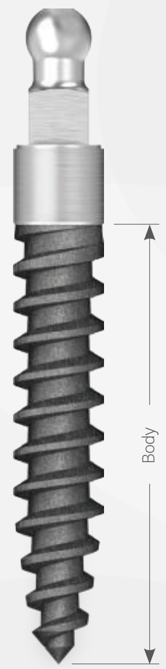
Temporary Implant
It is generally used as temporary implant to offer immediate recovery of esthetic element and immediate funtoinality after implant placement. Retention of temporary prosthesis is increased.

Self Tapping
Thread pitch and shape were designed to exert maximum strength in mini implant. In case of Ø3.0, cutting edge is applied to the taper body design for self-tapping.

Ball Type

D Ø2.0 | Ø2.5 | Ø3.0
L 8 | 10 | 12 | 14 | 16

RBM Brushite(CaP)



Mini Implant
One piece implants used for single stage implant surgery which is Ball type.

O-ring Attachment
It is often used to increase retention of the denture. An o-ring attachment is connected to increase retention of the denture.

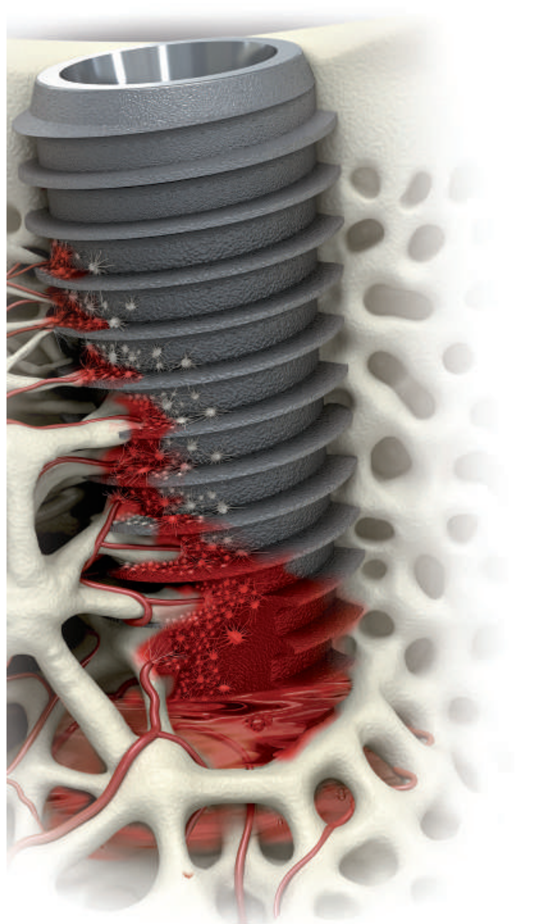
Cemented Abutment
Ø3.0 - Cemented / UCLA abutment can be selected.

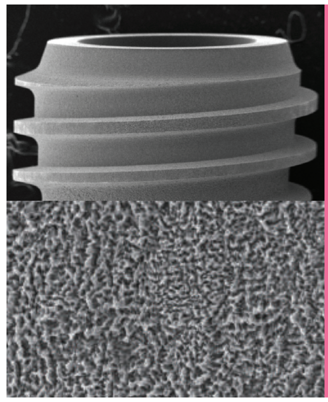
Self Tapping
Thread pitch and shape were designed to exert maximum strength. The taper-straight-taper body design allows for self-tapping and improves initial fixing force and immediate loading function.

Implant Surface Treatment Feature

HSA Hybrid SLA (Sand blast with Large grit and Acid etching)

Embodiment of optimal morphology and
roughness with excellent osseointegration performance



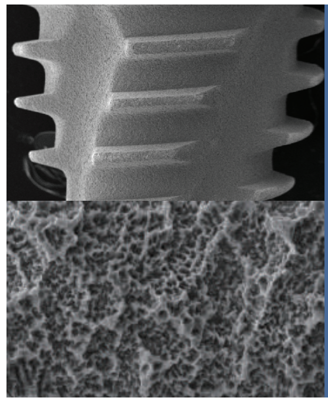


Upper / Micro Surface

Ra : 0.5~1.0㎛

Minimize Peri-Implantitis

- Low surface roughness reduces adhesion and proliferation of bacteria and minimizes peri-implantitis.
- Friction in the cortical bone is minimized and concern for bone heating is reduced.



Body / Macro+ Micro Surface

Ra : 1.5~3.5㎛
(Management standard 1.5~2.5㎛)

Stimulate Osseointegration

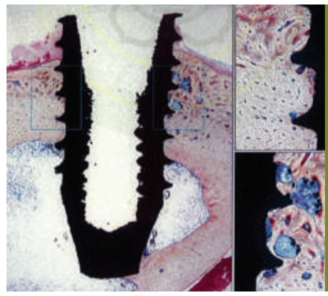
- Fast osseointegration and long-term stability are provided.

Latest surface treatment technology to enhance osseointegration of titanium implant

Associate Professor Ho-Jun Song, Dental Materials Lab,
Graduate School of Dental Medicine, Chonnam National University

Titanium oxide films are classified into TiO, TiO_3 and TiO_2 based on the amount of oxygen bonded. TiO_2 is known as the most stable phase. Roughness on micro level of 1~10㎛ has been reported1) to provide fast osseointegration response by increasing adhesiveness of osteoblast, facilitating differentiation, and increasing formation and mineralization of extracellular matrix (ECM). In addition, rough surface largely increases binding force between mineralized bone and implant surface. Based on theoretical approach to ideal roughness, Hassen et al.2) reported that a hemispherical pit with 1.5㎛ depth and 3~5㎛ diameter is optimal.

1) Abron A, Hopfensperger M, Thompson J, Cooper LF. Evaluation of a predictive model for implant surface topofraphy effects on early osseointefration in the rat tibia model. J Prosthet Dent 2001;85:40-6.
2) Hansson S, Norton M. The relation between surface roughness and interfacial shear strength for bone-anchored implant.A mathematical model. Journal of Biomechanics 1999;32(8):829-836.



Animal experimentation result

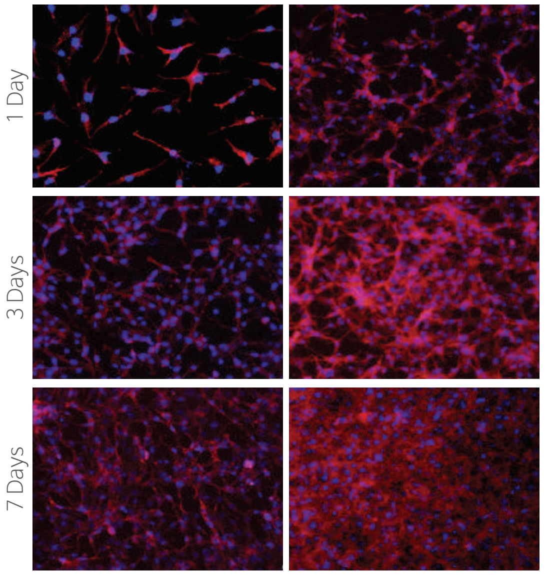
BIC : 75.9%

Kyungpook National University
Institute for biomaterials research and development
Animal test : Rabbit Tibia : 12weeks

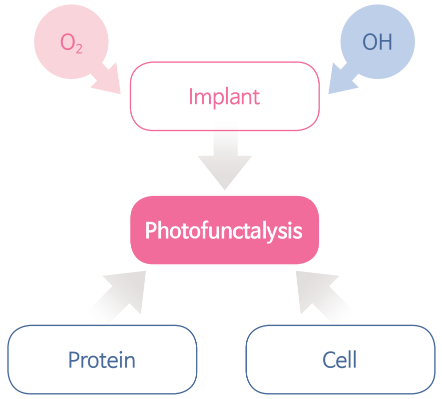
UV+ Photofunctionalized HSA

Superhydrophobic surface using photofunctalysis

- Biological aging phenomenon in which surface of implant is contaminated by hydrocarbon and organic matter to disrupt osseointegration is resolved by photofunctalysis, which makes the surface clean without contaminants.
- Oxygen concentration of TiO_2 increases on the surface. Cells and proteins actively react with oxygen due to superhydrophobic effect of OH radical, thus increasing the rate of osseointegration.



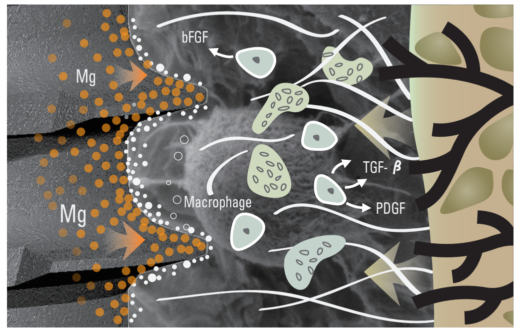
X 200

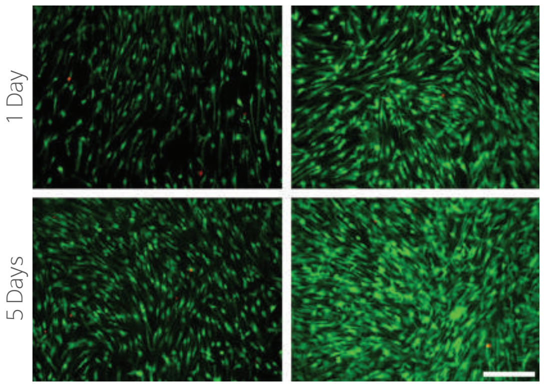


Mg+ HSA & Mg Plasma

Strong bioactivation mechanism

- Mg^{2+} ions move to the implant surface, or Mg^{2+} ions move through ion-exchange reaction with Ca^{2+}ions in the body fluid.
- Movement of Mg^{2+} ions to the implant surface acts as an important driving force of chemical bonding with bones. The implant surface is chemically bonded with bone growth proteins with polarity such as Collagen Type 1, Thrombospodis, Fibronectin, Vitronectin, Osteocalcin, Osteonectin and BAG-75.
- Chemical bonding of bone morphogenic proteins (BMPs) on the implant surface triggers and facilitates osseointegration around implant.





Live/dead fluorescence imaging of human mesenchymal stem cells (hMSCs) cultured on sandblasting and acid etching (SLA)-treated titanium (SLA Ti) and Mg ion-implanted SLA Ti (Mg-SLA Ti) specimens in normal growth media.
The viability/cytotoxicity assay was performed after 1 day and 5 days of culture.
Live cells were stained green by calcein acetoxymethyl (calcein AM) and dead cells were stained red by ethidium homodimer-1 (EthD-1).
The size bar represents 500 ㎛.

Implant System Overview

Int. Submerged System

UFII Narrow

Diameter
ø3.0 ı ø3.3

Length
8.5 ı 10 ı 11.5
13 ı 15

Implant Surface
HSA

Hex 1.7

UFII Regular

Diameter
ø3.8 ı ø4.0 ı ø4.5
ø5.0 ı ø5.5

Length
7 ı 8.5 ı 10 ı 11.5 ı 13 ı 15 ı 16 ı 18

Implant Surface
HSA ı Mg+ ı UV+

Hex 2.5

UFII Wide

Diameter
ø6.0 ı ø6.5 ı ø7.0

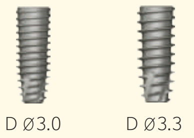
Length
7 ı 8.5 ı 10 ı 11.5 ı 13 ı 15

Implant Surface
HSA ı UV+

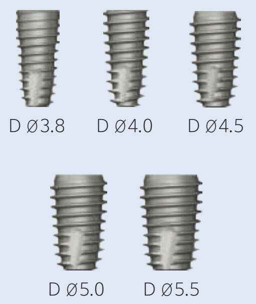
Hex 2.5

HSA

UFII Narrow



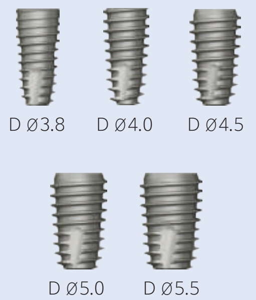
UFII Regular



UFII Wide

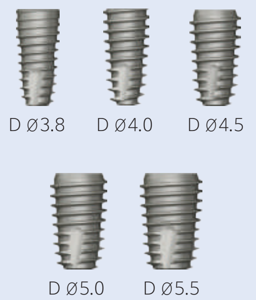
Mg+

UFII Regular



UV+

UFII Regular



UFII Wide

Int. Non-Sub. System

UFII Internal

Platform
ø4.8 ı ø6.0

Diameter
ø3.6 ı ø4.0 ı ø4.5 ı ø5.0 ı ø5.5

Collor
1.8 ı 2.0 ı 2.8

Length
7 ı 8.5 ı 10 ı 11.5 ı 13

Implant Surface
HSA

Octa 2.9

External System

FTN

Platform
ø3.5 ı ø4.1 ı ø5.1 ı ø5.0

Diameter
ø3.3 ı ø4.0 ı ø4.5
ø5.0 ı ø5.5

Length
8.5 ı 10 ı 11.5
13 ı 15

Implant Surface
HSA

Hex 2.4/2.7/3.4

Mini System

Protem

Type
Post ı Ball

Diameter
ø2.0 ı ø2.5 ı ø3.0

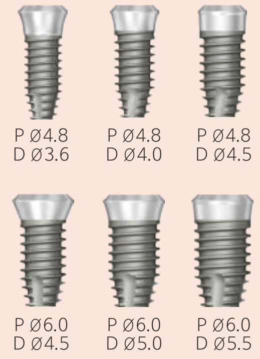
Length
8 ı 10 ı 12 ı 14 ı 16

Cuff
2 ı 4

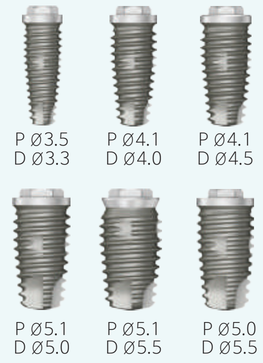
Implant Surface
RBM ı Brushite(CaP)

HSA

UFII Internal



FTN

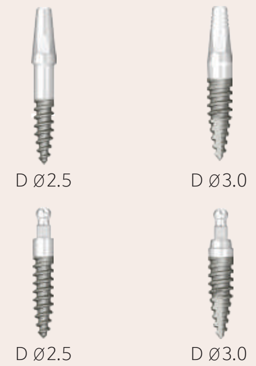


RBM

Protem

Brushite (Cap)

Protem



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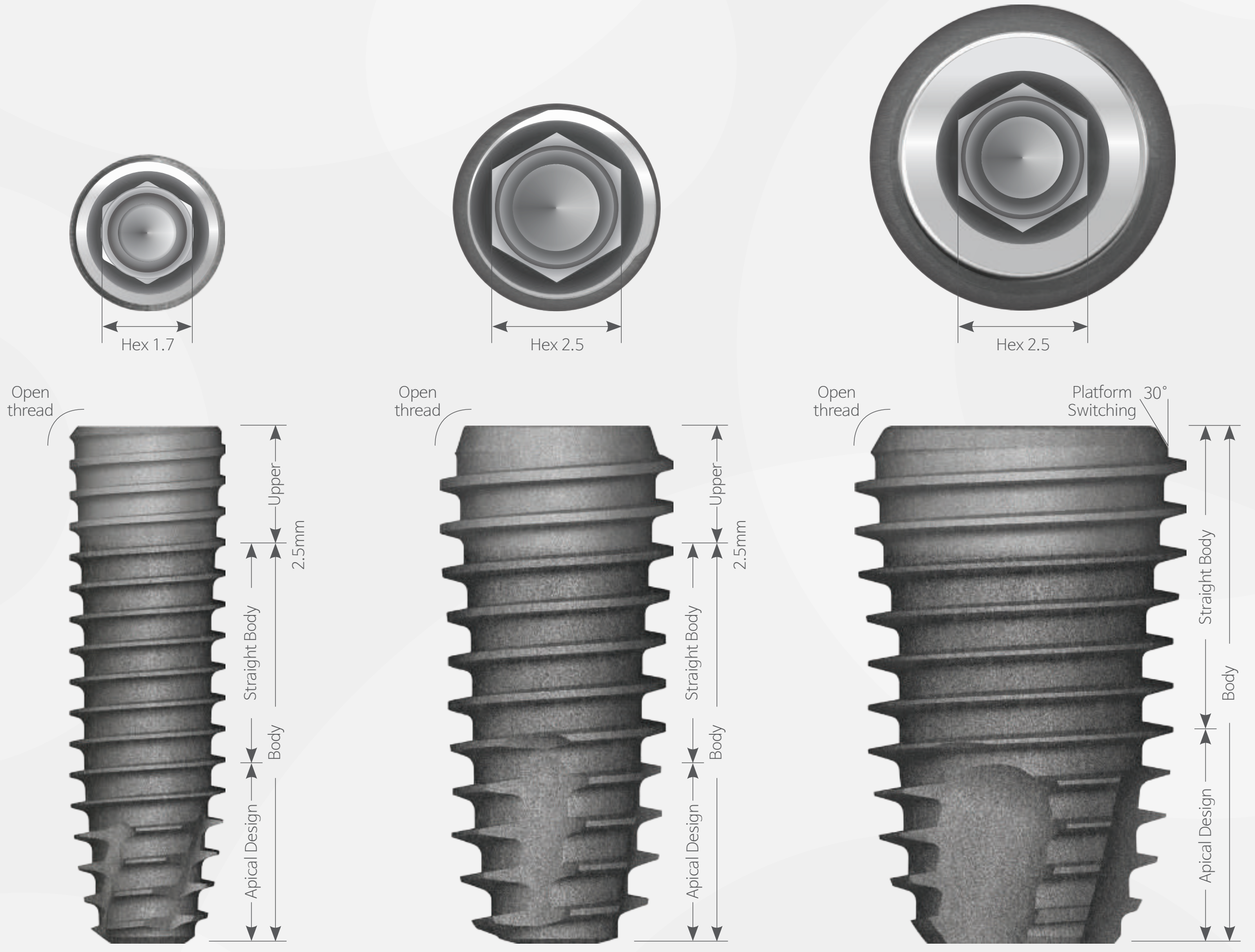
UFⅡ Internal
Submerged System

UFⅡ Int. Submerged System

UFⅡ Narrow | UFⅡ Regular | UFⅡ Wide



Upper Thread
A taper thread is applied to straight body, effectively dispersing stress at the top of implant. Threads have higher depth in the apical portion and then decreases gradually into the platform.
This design improves blood supply and lessees the empty space in cortical bone to reduce time of bone formation.

Straight Body
The longer the implant length, the longer the straight body. Therefore, long implant can be placed stably without arousing sudden changes during surgery as in straight type implant.

Morse Tapered Connection 11˚
Perfect connection of abutment and fixture is guaranteed. Impact on the fixture is reduced and bone loss is minimized.

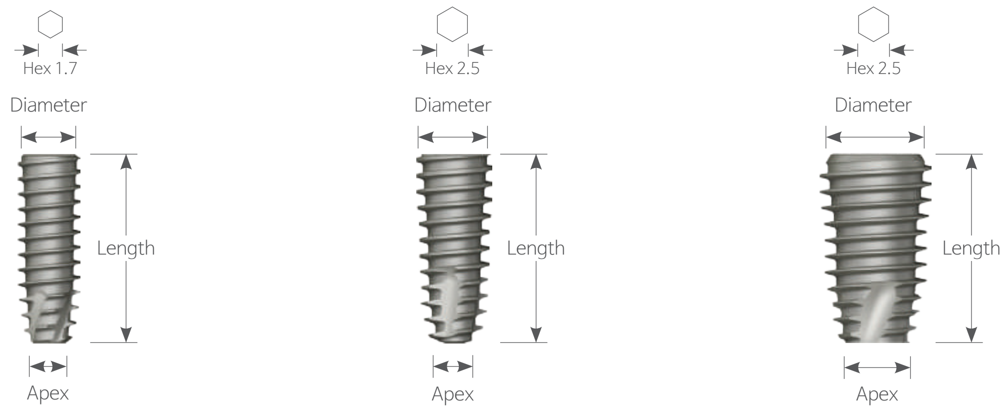
Open Thread
During placement of the fixture, it can be placed deep without additional drilling by minimizing resistance.

Cutting Edge
Self-tapping is maximized by sharp edge.

UFⅡ Narrow
D Ø3.0 | Ø3.3
L 8.5 | 10 | 11.5 | 13 | 15
HSA

UFⅡ Regular
D Ø3.8 | Ø4.0 | Ø4.5 | Ø5.0 | Ø5.5
L 7 | 8.5 | 10 | 11.5 | 13 | 15 | 16 | 18
HSA | UV+ | Mg+
※Korea only

UFⅡ Wide
D Ø6.0 | Ø6.5 | Ø7.0
L 7 | 8.5 | 10 | 11.5 | 13 | 15
HSA | UV+



Narrow Fixture

▸ HSA (Hybrid SLA)
▸ Ø3.0 fixture exclusive for anterior teeth
· Packing Unit : Fixture

N **D Ø3.0** Hex **1.7** Apex **Ø1.6**

Unit mm | Scale 1 : 1.2

Length	8.5	10	11.5	13	15
HSA	UF(II)N **3008S**	UF(II)N **3010S**	UF(II)N **3011S**	UF(II)N **3013S**	UF(II)N **3015S**

N **D Ø3.3** Hex **1.7** Apex **Ø1.9**

Length	8.5	10	11.5	13	15
HSA	UF(II)N **3308S**	UF(II)N **3310S**	UF(II)N **3311S**	UF(II)N **3313S**	UF(II)N **3315S**

Regular Fixture

· Packing Unit : Fixture

R D Ø3.8 Hex 2.5 Apex Ø2.9

Unit mm | Scale 1 : 1.2

Length	7	8.5	10	11.5	13	15	16	18
HSA	–	UF(II) 3808S	UF(II) 3810S	UF(II) 3811S	UF(II) 3813S	UF(II) 3815S	UF(II) 3816S	UF(II) 3818S
Mg^{+}	–	UF(II) 3808MG	UF(II) 3810MG	UF(II) 3811MG	UF(II) 3813MG	UF(II) 3815MG	UF(II) 3816MG	UF(II) 3818MG
UV^{+}	–	UF(II) 3808UV	UF(II) 3810UV	UF(II) 3811UV	UF(II) 3813UV	UF(II) 3815UV	UF(II) 3816UV	UF(II) 3818UV

R D Ø4.0 Hex 2.5 Apex Ø2.9

Length	7	8.5	10	11.5	13	15	16	18
HSA	–	UF(II) 4008S	UF(II) 4010S	UF(II) 4011S	UF(II) 4013S	UF(II) 4015S	UF(II) 4016S	UF(II) 4018S
Mg^{+}	–	UF(II) 4008MG	UF(II) 4010MG	UF(II) 4011MG	UF(II) 4013MG	UF(II) 4015MG	UF(II) 4016MG	UF(II) 4018MG
UV^{+}	–	UF(II) 4008UV	UF(II) 4010UV	UF(II) 4011UV	UF(II) 4013UV	UF(II) 4015UV	UF(II) 4016UV	UF(II) 4018UV

R D Ø4.5 Hex 2.5 Apex Ø3.4

Length	7	8.5	10	11.5	13	15	16	18
HSA	UF(II) 4507S	UF(II) 4508S	UF(II) 4510S	UF(II) 4511S	UF(II) 4513S	UF(II) 4515S	UF(II) 4516S	UF(II) 4518S
Mg^{+}	UF(II) 4507MG	UF(II) 4508MG	UF(II) 4510MG	UF(II) 4511MG	UF(II) 4513MG	UF(II) 4515MG	UF(II) 4516MG	UF(II) 4518MG
UV^{+}	UF(II) 4507UV	UF(II) 4508UV	UF(II) 4510UV	UF(II) 4511UV	UF(II) 4513UV	UF(II) 4515UV	UF(II) 4516UV	UF(II) 4518UV

R D Ø5.0 Hex 2.5 Apex Ø3.9

Length	7	8.5	10	11.5	13	15	16	18
HSA	UF(II) 5007S	UF(II) 5008S	UF(II) 5010S	UF(II) 5011S	UF(II) 5013S	UF(II) 5015S	UF(II) 5016S	UF(II) 5018S
Mg^{+}	UF(II) 5007MG	UF(II) 5008MG	UF(II) 5010MG	UF(II) 5011MG	UF(II) 5013MG	UF(II) 5015MG	UF(II) 5016MG	UF(II) 5018MG
UV^{+}	UF(II) 5007UV	UF(II) 5008UV	UF(II) 5010UV	UF(II) 5011UV	UF(II) 5013UV	UF(II) 5015UV	UF(II) 5016UV	UF(II) 5018UV

R D Ø5.5 Hex 2.5 Apex Ø4.5

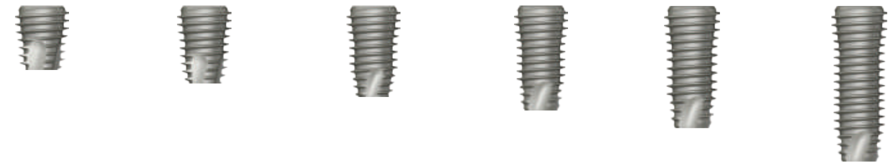
Length	7	8.5	10	11.5	13	15	16	18
HSA	UF(II) 5507S	UF(II) 5508S	UF(II) 5510S	UF(II) 5511S	UF(II) 5513S	UF(II) 5515S	UF(II) 5516S	UF(II) 5518S
Mg^{+}	UF(II) 5507MG	UF(II) 5508MG	UF(II) 5510MG	UF(II) 5511MG	UF(II) 5513MG	UF(II) 5515MG	UF(II) 5516MG	UF(II) 5518MG
UV^{+}	UF(II) 5507UV	UF(II) 5508UV	UF(II) 5510UV	UF(II) 5511UV	UF(II) 5513UV	UF(II) 5515UV	UF(II) 5516UV	UF(II) 5518UV

Wide Fixture

· Packing Unit : Fixture

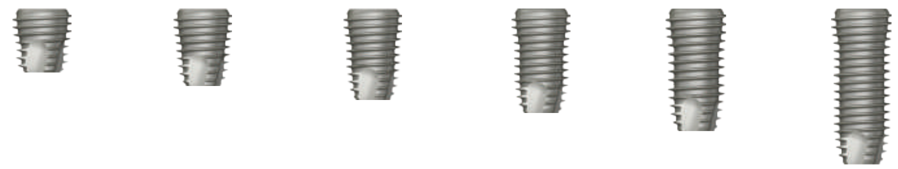
W D Ø6.0 Hex 2.5 Apex Ø5.4

Unit mm | Scale 1 : 1.2



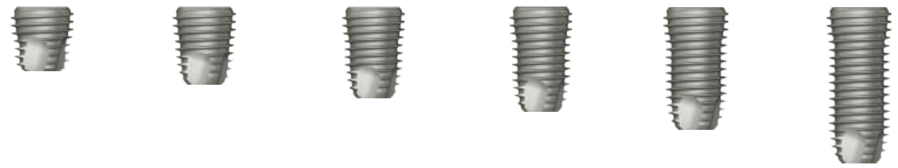
Length	7	8.5	10	11.5	13	15
HSA	UF(II) 6007S	UF(II) 6008S	UF(II) 6010S	UF(II) 6011S	UF(II) 6013S	UF(II) 6015S
UV^{+}	UF(II) 6007UV	UF(II) 6008UV	UF(II) 6010UV	UF(II) 6011UV	UF(II) 6013UV	UF(II) 6015UV

W D Ø6.5 Hex 2.5 Apex Ø5.9



Length	7	8.5	10	11.5	13	15
HSA	UF(II) 6507S	UF(II) 6508S	UF(II) 6510S	UF(II) 6511S	UF(II) 6513S	UF(II) 6515S
UV^{+}	UF(II) 6507UV	UF(II) 6508UV	UF(II) 6510UV	UF(II) 6511UV	UF(II) 6513UV	UF(II) 6515UV

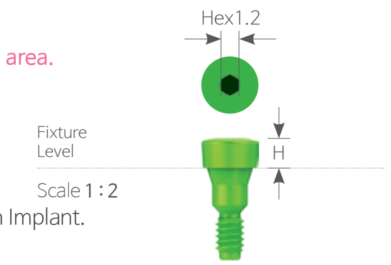
W D Ø7.0 Hex 2.5 Apex Ø6.4



Length	7	8.5	10	11.5	13	15
HSA	UF(II) 7007S	UF(II) 7008S	UF(II) 7010S	UF(II) 7011S	UF(II) 7013S	UF(II) 7015S
UV^{+}	UF(II) 7007UV	UF(II) 7008UV	UF(II) 7010UV	UF(II) 7011UV	UF(II) 7013UV	UF(II) 7015UV

Cover Screw

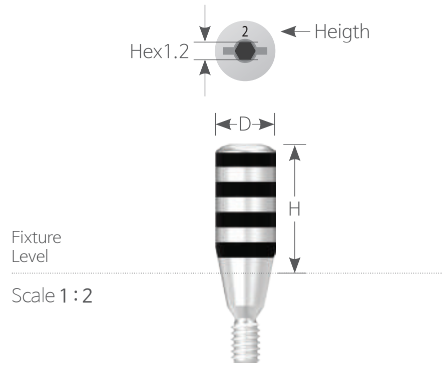
▸ Used for narrow area after the Implant surgery or to protect Implant connection area.
▸ Dental Implant cover screw is implanted into the top which helps to prevent tissue and bone to grow inside the implant.
· Uses 1.2 Hex Driver
· Method of use
① Screw installation after removing the remaining blood or foreign substance in Implant.
② Connect the screw using 1.2 hex driver and hand-tighten (5~8Ncm)
③ Remove the screw if cold-welding occurs between the screw and implant.
· Tightening Torque : 5~8Ncm



N R W Hex 1.2 — Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide	
Height 0	UNSCS 2700	SSCS 3400	-
1	UNSCS 2710	-	SSCS 3410
2	UNSCS 2720	-	SSCS 3420
3	UNSCS 2730	-	SSCS 3430

▸ Used for small diameter abutment like Ball abutment
▸ Used if the fixture is deeply placed
· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm

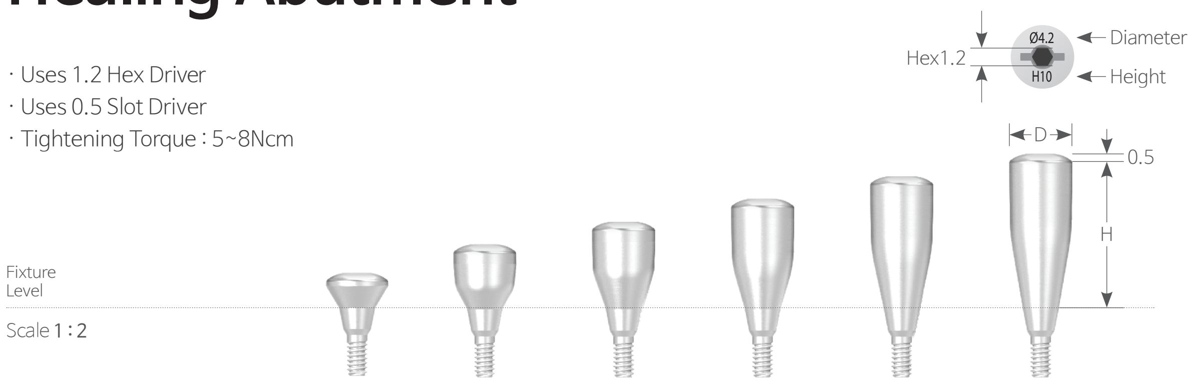


R W D Ø4.0 Hex 1.2 — Unit mm I Scale 1 : 1.25

Fixture Size	Regular · Wide			
Heigth	2	4	6	8
	SSHA 4020	SSHA 4040	SSHA 4060	SSHA 4080

Healing Abutment

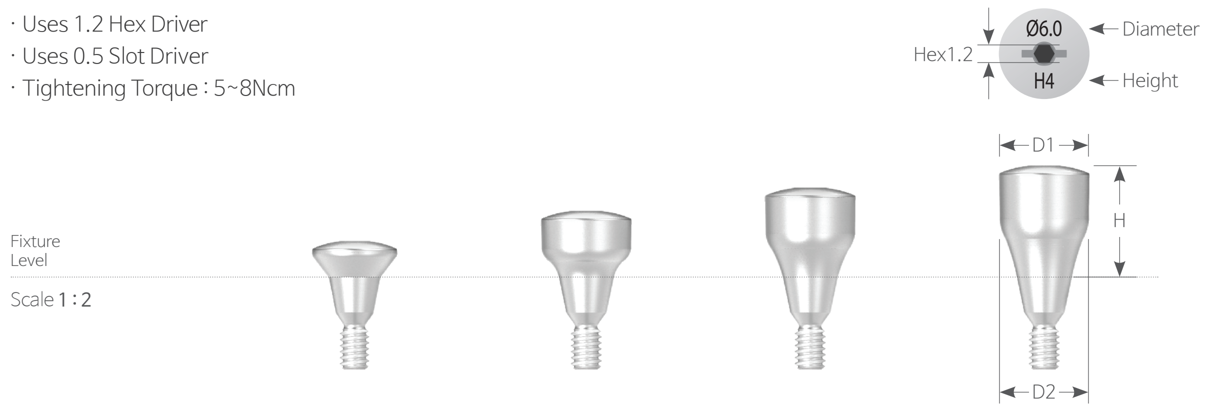
· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



N Hex 1.2 — Unit mm I Scale 1 : 1.25

Fixture Size	Narrow			
	Ø4.1	Ø4.2	Ø4.6	Ø4.7
Height 2	UNSHA 4020	-	UNSHA 4520	-
4	-	UNSHA 4024	-	UNSHA 4524
5	-	UNSHA 4035	-	UNSHA 4535
7	-	UNSHA 4047	-	UNSHA 4547
8.5	-	UNSHA 4058	-	UNSHA 4558
10	-	UNSHA 4060	-	UNSHA 4560

· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



R W Hex 1.2 — Unit mm I Scale 1 : 1.25

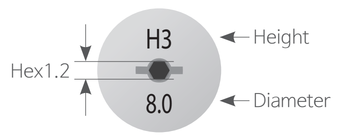
Fixture Size	Regular · Wide			
	Ø4.6 / Ø4.5	Ø5.6 / Ø5.5	Ø6.6 / Ø6.5	Ø7.6 / Ø7.5
Height 2	SSHA 4520	SSHA 5520	SSHA 6520	SSHA 7520
4	SSHA 4524	SSHA 5524	SSHA 6524	SSHA 7524
5.5	SSHA 4535	SSHA 5535	SSHA 6535	SSHA 7535
7	SSHA 4547	SSHA 5547	SSHA 6547	SSHA 7547

Healing Abutment

▸The healing abutments are designed to help gum tissue around the implant site heal faster.
▸Used for making designated shape of gingiva.

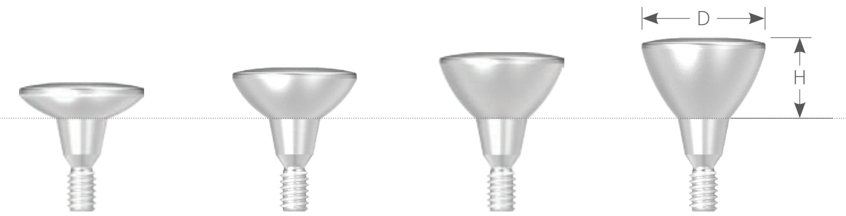
· Caution
①Connect the screw using 1.2 hex driver and hand-tighten (5~8Ncm)
②Organized by diameter and height, the healing abutments can be selected according to the needs and requirements of a particular clinical case.
- Use larger healing abutment than an abutment in order to maintain balance between the gum and final prosthesis without gum interference while abutment is being settled.
※When connecting the cover screw and healing abutment, the screw can be separated easily by applying antibiotics functioning as lubricant. (Antibiotics: Minocline, Periocline, etc.)

· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



Fixture Level

Scale 1 : 2



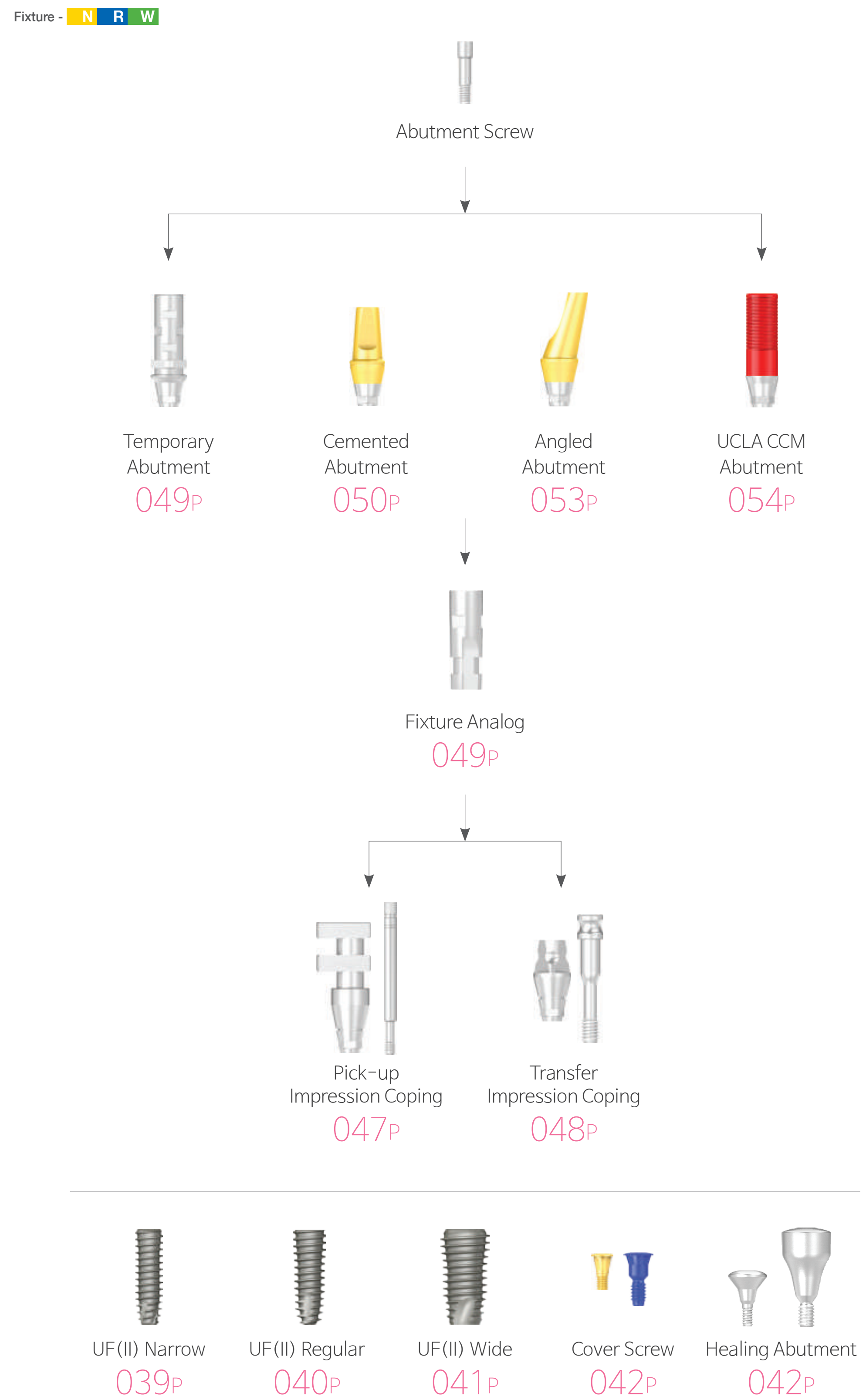
R W Hex 1.2

Unit mm | Scale 1 : 1.25

Fixture Size	Regular	Wide
		
Height 2	SSHA **8212**	SSHA **9212**
3	SSHA **8223**	SSHA **9223**
4	SSHA **8234**	SSHA **9234**
5	SSHA **8245**	SSHA **9245**

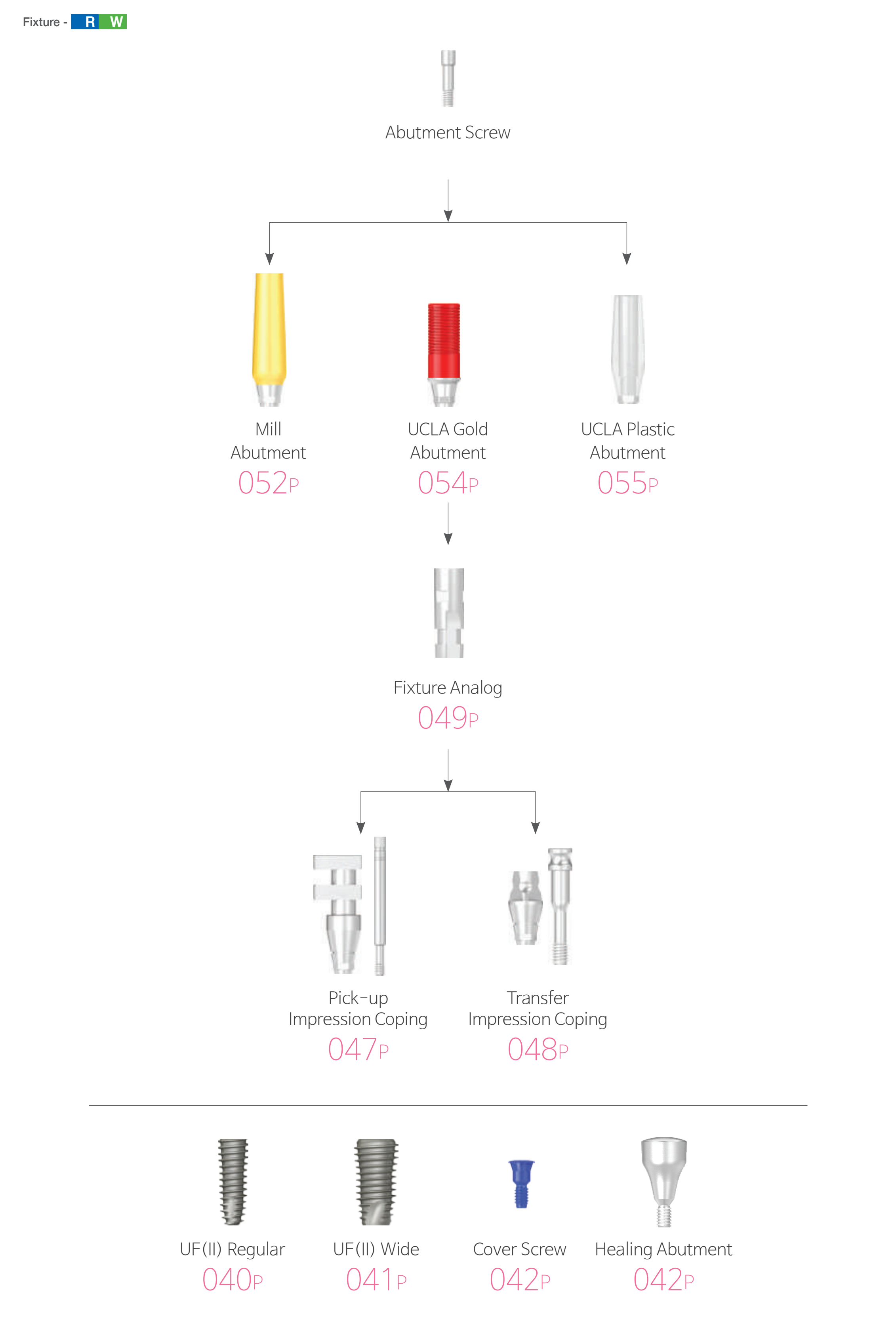
Cement / Screw - Retained Restorations

Temporary / Cemented / Anlged / UCLA Abutment



Cement / Screw - Retained Restorations

Mill / UCLA Abutment



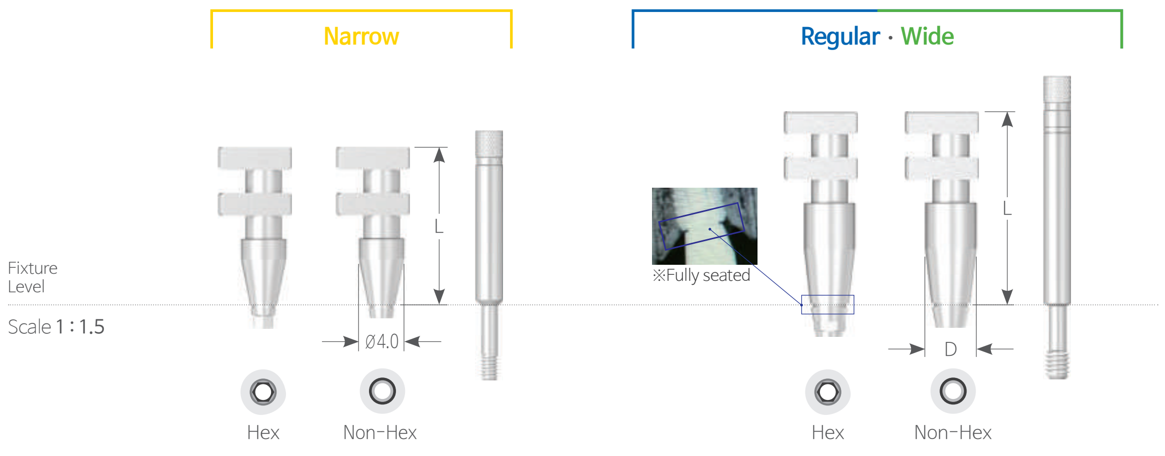
Abutment Components

Pick-up Impression Coping Hex Non-Hex

▸Custom tray is used for pick-up type of impression taking.

· Uses 1.2 Hex Driver

· Packing Unit : Pick-up Impression Coping + Guide Pin



N R W Hex

Unit mm

Fixture Size	Narrow		Regular · Wide				
Diameter	Ø4.0	Guide Pin	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Guide Pin
Length 09	-	-	SSPI 4009H	SSPI 4509H	SSPI 5509H	SSPI 6509H	SSG 2021
12	UNSPI 4012H	UNSSG 1422	-	-	-	-	-
13	-	-	SSPI 4013H	SSPI 4513H	SSPI 5513H	SSPI 6513H	SSG 2026
14	UNSPI 4014H	UNSSG 1422	-	-	-	-	-
16	UNSPI 4016H	UNSSG 1425	-	-	-	-	-
17	-	-	SSPI 4017H	SSPI 4517H	SSPI 5517H	SSPI 6517H	SSG 2329
19	-	-	SSPI 4019H	SSPI 4519H	SSPI 5519H	SSPI 6519H	SSG 2329

N R W Non-Hex

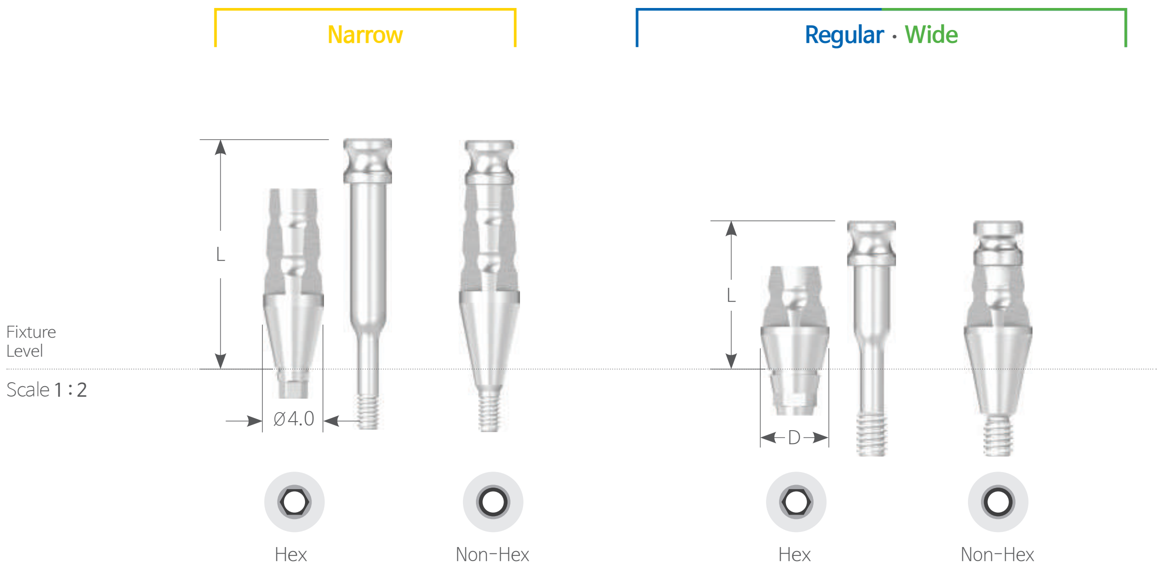
Unit mm

Fixture Size	Narrow		Regular · Wide				
Diameter	Ø4.0	Guide Pin	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Guide Pin
Length 09	-	-	SSPI 4009N	SSPI 4509N	SSPI 5509N	SSPI 6509N	SSG 2021
12	UNSPI 4012N	UNSSG 1422	-	-	-	-	-
13	-	-	SSPI 4013N	SSPI 4513N	SSPI 5513N	SSPI 6513N	SSG 2026
14	UNSPI 4014N	UNSSG 1422	-	-	-	-	-
16	UNSPI 4016N	UNSSG 1425	-	-	-	-	-
17	-	-	SSPI 4017N	SSPI 4517N	SSPI 5517N	SSPI 6517N	SSG 2329
19	-	-	SSPI 4019N	SSPI 4519N	SSPI 5519N	SSPI 6519N	SSG 2329

Abutment Components

Transfer Impression Coping Hex Non-Hex

▸Ready-made tray is used for transfer type of impression taking.
· Double sided structure increases quality.
· Uses 1.2 Hex Driver
· Hex type is two-piece structure and Non-Hex type is one-piece structure.
· Packing Unit : Transfer Impression Coping + Coping Screw (Hex)
Transfer Impression Coping (Non-Hex)



N R W Hex — Unit mm

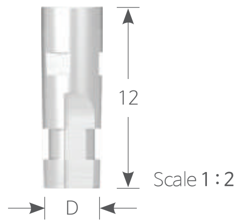
Fixture Size	Narrow		Regular · Wide					
Diameter	Ø4.0	Screw	Ø4.0	Ø4.5	Screw	Ø5.5	Ø6.5	Screw
Length 10	–	–	SSTI 4010H	SSTI 4510H	SSTI 4015S	SSTI 5510H	SSTI 6510H	SSTI 6515S
13	UNSTI 4013H	UNSTI 4013S	–	–	–	–	–	–
15	UNSTI 4015H	UNSTI 4015S	SSTI 4015H	SSTI 4515H	SSTI 4020S	SSTI 5515H	SSTI 6515H	SSTI 6520S
17	UNSTI 4017H	UNSTI 4017S	–	–	–	–	–	–

N R W Non-Hex — Unit mm

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.0	Ø4.5	Ø5.5	Ø6.5
Length 10	–	SSTI 4010N	SSTI 4510N	SSTI 5510N	SSTI 6510N
13	UNSTI 4013N	–	–	–	–
15	UNSTI 4015N	SSTI 4015N	SSTI 4515N	SSTI 5515N	SSTI 6515N
17	UNSTI 4017N	–	–	–	–

Fixture Analog

▸Providing anchor point for fabricating implant prosthetics on working model.



N R W Length 12 — Unit mm I Scale 1 : 1.25

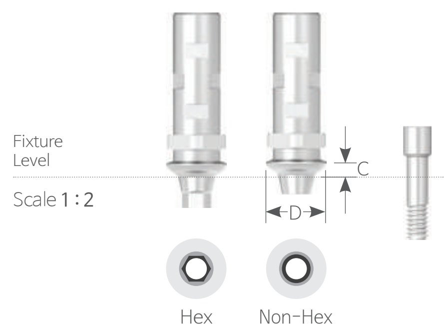
Fixture Size	Narrow	Regular · Wide
Diameter	Ø3.0	Ø4.0

UNSFA 3012

SSFA 4012

Temporary Abutment Hex Non-Hex

▸Used when temporary prosthesis is made
· Hex / Non-Hex type
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw
· Tightening Torque : N 20Ncm, R W 30~35Ncm

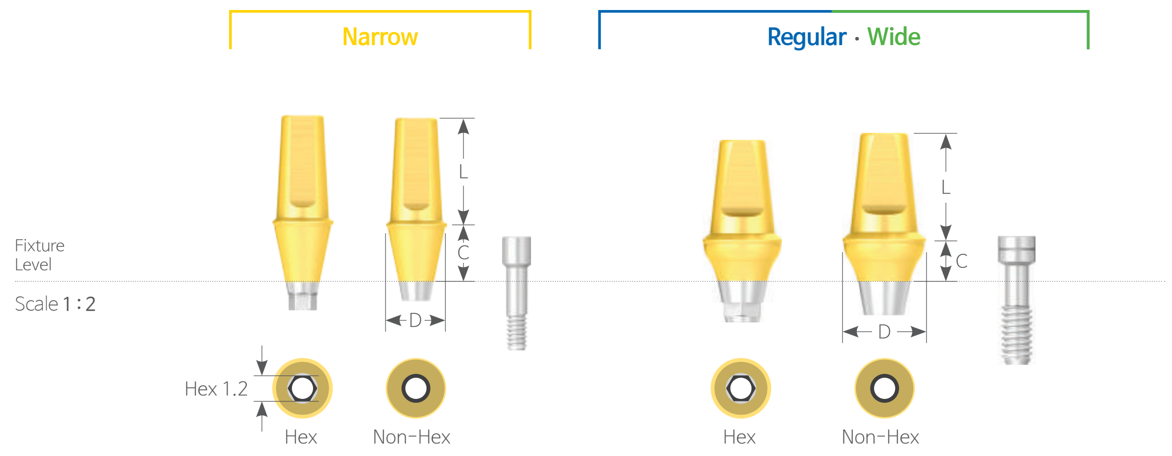


N R W — Unit mm I Scale 1 : 1.25

Fixture Size	Narrow		Regular · Wide	
Diameter	Ø4.0		Ø4.5	
Type	Hex	Non-Hex	Hex	Non-Hex
				
Cuff 1	UNSTA 4010H	UNSTA 4010N	SSTA 4510H [H]	SSTA 4510N [H]
3	UNSTA 4030H	UNSTA 4030N	SSTA 4530H [H]	SSTA 4530N [H]
Abut. Screw	UNSAS 1407H	UNSAS 1407H	SSC 2008H	SSC 2008H

Cemented Abutment Hex Non-Hex

▸ For cement retained prosthesis
· Gold colored gingival area for esthetic purpose
· Hex / Non-Hex type
· To prevent rotation of prosthesis, it has flap section
· Uses 1.2 Hex Driver
· Compatible with Solid Abutment Impression
· Packing Unit : Abutment + Abutment Screw
· Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5

Length 4					
Cuff 1	–	SSCA 45104H(II)[H]	SSCA 55104H(II)[H]	SSCA 65104H(II)[H]	SSCA 75104H(II)[H]
2	–	SSCA 45204H(II)[H]	SSCA 55204H(II)[H]	SSCA 65204H(II)[H]	SSCA 75104H(II)[H]
3	–	SSCA 45304H(II)[H]	SSCA 55304H(II)[H]	SSCA 65304H(II)[H]	SSCA 75104H(II)[H]
4	–	SSCA 45404H(II)[H]	SSCA 55404H(II)[H]	SSCA 65404H(II)[H]	SSCA 75104H(II)[H]
5	–	SSCA 45504H(II)[H]	SSCA 55504H(II)[H]	SSCA 65504H(II)[H]	SSCA 75104H(II)[H]
Screw	–	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

Length 5.5					
Cuff 1	UNSCA 40105H	SSCA 45105H(II)[H]	SSCA 55105H(II)[H]	SSCA 65105H(II)[H]	SSCA 75105H(II)[H]
2	UNSCA 40205H	SSCA 45205H(II)[H]	SSCA 55205H(II)[H]	SSCA 65205H(II)[H]	SSCA 75105H(II)[H]
3	UNSCA 40305H	SSCA 45305H(II)[H]	SSCA 55305H(II)[H]	SSCA 65305H(II)[H]	SSCA 75105H(II)[H]
4	UNSCA 40405H	SSCA 45405H(II)[H]	SSCA 55405H(II)[H]	SSCA 65405H(II)[H]	SSCA 75105H(II)[H]
5	UNSCA 40505H	SSCA 45505H(II)[H]	SSCA 55505H(II)[H]	SSCA 65505H(II)[H]	SSCA 75105H(II)[H]
6	UNSCA 40605H	–	–	–	–
7	UNSCA 40705H	–	–	–	–
Screw	UNSAS 1407H	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

Length 7					
Cuff 1	UNSCA 40107H	SSCA 45107H(II)[H]	SSCA 55107H(II)[H]	SSCA 65107H(II)[H]	SSCA 75107H(II)[H]
2	UNSCA 40207H	SSCA 45207H(II)[H]	SSCA 55207H(II)[H]	SSCA 65207H(II)[H]	SSCA 75107H(II)[H]
3	UNSCA 40307H	SSCA 45307H(II)[H]	SSCA 55307H(II)[H]	SSCA 65307H(II)[H]	SSCA 75107H(II)[H]
4	UNSCA 40407H	SSCA 45407H(II)[H]	SSCA 55407H(II)[H]	SSCA 65407H(II)[H]	SSCA 75107H(II)[H]
5	UNSCA 40507H	SSCA 45507H(II)[H]	SSCA 55507H(II)[H]	SSCA 65507H(II)[H]	SSCA 75107H(II)[H]
6	UNSCA 40607H	–	–	–	–
7	UNSCA 40707H	–	–	–	–
Screw	UNSAS 1407H	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

N R W Non-Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5

Length 4					
Cuff 1	–	SSCA 45104N(II)[H]	SSCA 55104N(II)[H]	SSCA 65104N(II)[H]	SSCA 75104N(II)[H]
2	–	SSCA 45204N(II)[H]	SSCA 55204N(II)[H]	SSCA 65204N(II)[H]	SSCA 75104N(II)[H]
3	–	SSCA 45304N(II)[H]	SSCA 55304N(II)[H]	SSCA 65304N(II)[H]	SSCA 75104N(II)[H]
4	–	SSCA 45404N(II)[H]	SSCA 55404N(II)[H]	SSCA 65404N(II)[H]	SSCA 75104N(II)[H]
5	–	SSCA 45504N(II)[H]	SSCA 55504N(II)[H]	SSCA 65504N(II)[H]	SSCA 75104N(II)[H]
Screw	–	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

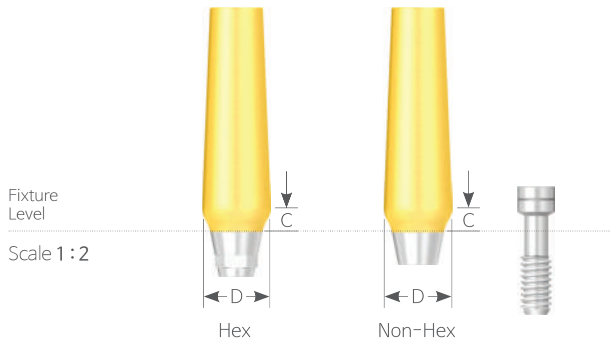
Length 5.5					
Cuff 1	UNSCA 40105N	SSCA 45105N(II)[H]	SSCA 55105N(II)[H]	SSCA 65105N(II)[H]	SSCA 75105N(II)[H]
2	UNSCA 40205N	SSCA 45205N(II)[H]	SSCA 55205N(II)[H]	SSCA 65205N(II)[H]	SSCA 75105N(II)[H]
3	UNSCA 40305N	SSCA 45305N(II)[H]	SSCA 55305N(II)[H]	SSCA 65305N(II)[H]	SSCA 75105N(II)[H]
4	UNSCA 40405N	SSCA 45405N(II)[H]	SSCA 55405N(II)[H]	SSCA 65405N(II)[H]	SSCA 75105N(II)[H]
5	UNSCA 40505N	SSCA 45505N(II)[H]	SSCA 55505N(II)[H]	SSCA 65505N(II)[H]	SSCA 75105N(II)[H]
6	UNSCA 40605N	–	–	–	–
7	UNSCA 40705N	–	–	–	–
Screw	UNSAS 1407H	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

Length 7					
Cuff 1	UNSCA 40107N	SSCA 45105N(II)[H]	SSCA 55105N(II)[H]	SSCA 65105N(II)[H]	SSCA 75105N(II)[H]
2	UNSCA 40207N	SSCA 45205N(II)[H]	SSCA 55205N(II)[H]	SSCA 65205N(II)[H]	SSCA 75105N(II)[H]
3	UNSCA 40307N	SSCA 45305N(II)[H]	SSCA 55305N(II)[H]	SSCA 65305N(II)[H]	SSCA 75105N(II)[H]
4	UNSCA 40407N	SSCA 45405N(II)[H]	SSCA 55405N(II)[H]	SSCA 65405N(II)[H]	SSCA 75105N(II)[H]
5	UNSCA 40507N	SSCA 45505N(II)[H]	SSCA 55505N(II)[H]	SSCA 65505N(II)[H]	SSCA 75105N(II)[H]
6	UNSCA 40607N	–	–	–	–
7	UNSCA 40707N	–	–	–	–
Screw	UNSAS 1407H	SSC 2008SH	SSC 2008H	SSC 2008H	SSC 2008H

Mill Abutment Hex Non-Hex

▸ Used for when high customization in abutment path and prosthetic margins are needed.

- Abutment of cement retained type that uses dental cement to fix prosthesis in place
- Hex / Non-Hex type
- Anti-rotational feature on abutment post.
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (SSC 2008H)
- Tightening Torque : 30~35Ncm



R W Hex

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide				
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Cuff	1.5	2	2.5	3	3

SSMA 4015H [H] SSMA 4520H [H] SSMA 5525H [H] SSMA 6530H [H] SSMA 7530H [H]

R W Non-Hex

Unit mm | Scale 1 : 1.25

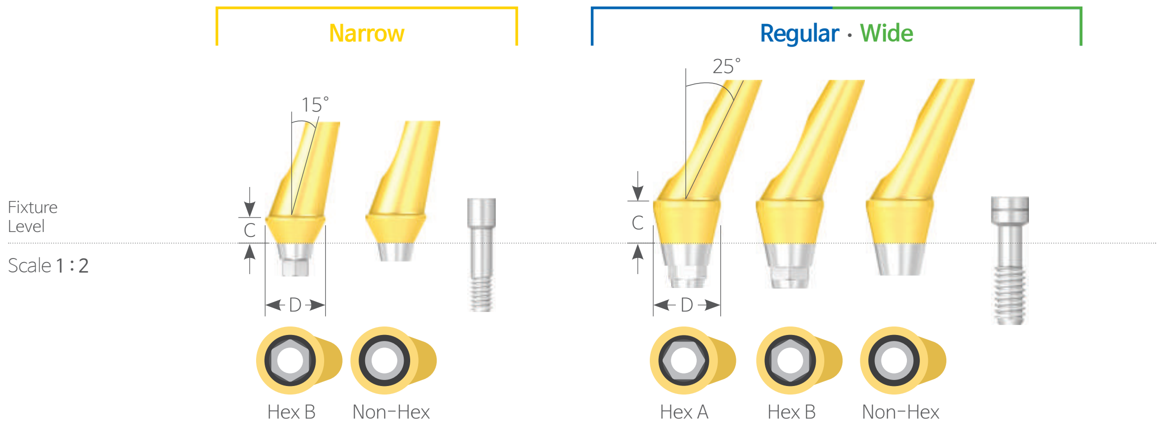
Fixture Size	Regular · Wide				
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Cuff	1.5	2	2.5	3	3

SSMA 4015N [H] SSMA 4520N [H] SSMA 5525N [H] SSMA 6530N [H] SSMA 7530N [H]

Angled Abutment Hex Non-Hex

▸ Used to modify the fixture's path mainly used for anterior teeth.

- For Cement retained Type of Abutment
- Depending on the angle slope, it is categorized into 15˚ and 25˚ Angled Abutment
- Availability of A type and B type of hex part overcomes the limitation of direction of the abutment
- Gold colored gingival area for esthetic purpose
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (N UNSAS 1407H, R W SSC 2008H)
- Tightening Torque : N 20Ncm, R W 30~35Ncm



R W Hex A

Fixture Size	Narrow	Regular · Wide			
Diameter	Ø4.0	Ø4.5		Ø5.5	
Angle	15˚	15˚	25˚	15˚	25˚
Cuff 1.5	-	SSAA 451515AH [H]	SSAA 451525AH [H]	SSAA 551515AH [H]	SSAA 551525AH [H]
2.0	-	SSAA 452015AH [H]	SSAA 452025AH [H]	SSAA 552015AH [H]	SSAA 552025AH [H]
3.0	-	SSAA 453015AH [H]	SSAA 453025AH [H]	SSAA 553015AH [H]	SSAA 553025AH [H]
4.0	-	SSAA 454015AH [H]	SSAA 454025AH [H]	SSAA 554015AH [H]	SSAA 554025AH [H]
5.0	-	SSAA 455015AH [H]	SSAA 455025AH [H]	SSAA 555015AH [H]	SSAA 555025AH [H]

N R W Hex B

Fixture Size	Narrow	Regular · Wide			
Cuff 1.5	-	SSAA 451515BH [H]	SSAA 451525BH [H]	SSAA 551515BH [H]	SSAA 551525BH [H]
2.0	UNSAA 402015BH	SSAA 452015BH [H]	SSAA 452025BH [H]	SSAA 552015BH [H]	SSAA 552025BH [H]
3.0	-	SSAA 453015BH [H]	SSAA 453025BH [H]	SSAA 553015BH [H]	SSAA 553025BH [H]
4.0	UNSAA 404015BH	SSAA 454015BH [H]	SSAA 454025BH [H]	SSAA 554015BH [H]	SSAA 554025BH [H]
5.0	-	SSAA 455015BH [H]	SSAA 455025BH [H]	SSAA 555015BH [H]	SSAA 555025BH [H]

N R W Non-Hex

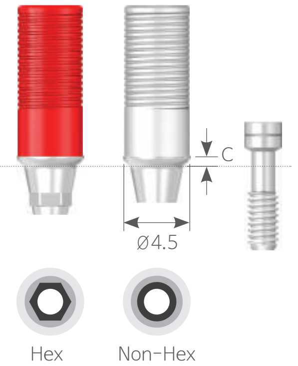
Fixture Size	Narrow	Regular · Wide			
Cuff 1.5	-	SSAA 451515N [H]	SSAA 451525N [H]	SSAA 551515N [H]	SSAA 551525N [H]
2.0	UNSAA 402015N	SSAA 452015N [H]	SSAA 452025N [H]	SSAA 552015N [H]	SSAA 552025N [H]
3.0	-	SSAA 453015N [H]	SSAA 453025N [H]	SSAA 553015N [H]	SSAA 553025N [H]
4.0	UNSAA 404015N	SSAA 454015N [H]	SSAA 454025N [H]	SSAA 554015N [H]	SSAA 554025N [H]
5.0	-	SSAA 455015N [H]	SSAA 455025N [H]	SSAA 555015N [H]	SSAA 555025N [H]

UCLA Abutment

UCLA Gold Abutment Hex Non-Hex

▸ Can be used when there is limitation on path, esthetics, space etc.
· For screw retained prosthesis
· Directly casted on abutment to make inner part of prosthesis
Customized abutment can be made which can be applied to variety of cases.
Strong enough for cases requiring difficult angle modification.
· After the customization, **dental gold alloy will be casted only**.
· Melting range on cylinder area : 1400~1450℃
(**Do not use with non-precious metal alloy**)
· Hex / Non-Hex type · Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (SSC 2008H)
· Tightening Torque : 30~35Ncm

Fixture Level
Scale 1 : 2



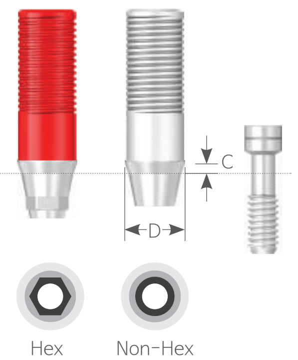
R W D Ø4.5 Unit mm I Scale 1 : 1.25

Fixture Size	Regular · Wide	
Type	Hex	Non-Hex
Cuff 1	SSGA 4510H [H]	SSGA 4510N [H]
3	SSGA 4530H [H]	SSGA 4530N [H]

UCLA CCM Abutment Hex Non-Hex

· After the customization, **non-precious metal alloy will be casted only**.
· Hex / Non-Hex type
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (N UNSAS 1407H, R W SSC 2008H)
· Tightening Torque : 30~35Ncm

Fixture Level
Scale 1 : 2



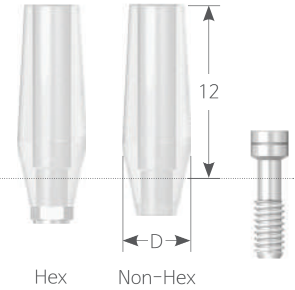
N R W Unit mm I Scale 1 : 1.25

Fixture Size	Narrow		Regular · Wide			
Diameter	Ø4.0	Ø4.0	Ø4.0	Ø4.0	Ø4.5	Ø4.5
Hex	Hex	Non-Hex	Hex	Non-Hex	Hex	Non-Hex
Cuff 1	UNSCCA 4010H	UNSCCA 4010N	CCSS 4010H [H]	CCSS 4010N [H]	CCSS 4510H [H]	CCSS 4510N [H]
3	UNSCCA 4030H	UNSCCA 4030N	-	-	CCSS 4530H [H]	CCSS 4530N [H]

UCLA Plastic Abutment Hex Non-Hex

· Less accuracy on connecting part compared to UCLA Gold Abutment.
· After the customization, **non-precious metal alloy will be casted only**.
· Be careful about fracture if deleted
· Hex / Non-Hex type
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (SSC2008H)
· Tightening Torque : Tightening smoothly before casting,
30~35Ncm after casting

Fixture Level
Scale 1 : 2



R W Length 12 Unit mm I Scale 1 : 1.25

Fixture Size	Regular · Wide			
Diameter	Ø4.5	Ø4.5	Ø5.5	Ø5.5
Type	Hex	Non-Hex	Hex	Non-Hex
	SSPA 4512H [H]	SSPA 4512N [H]	SSPA 5512H [H]	SSPA 5512N [H]

Cement-Retained Restorations

Solid Abutment

Fixture - N R W

Plastic Coping

059P

↓

Solid Abutment Analog

059P

↓

Impression Cap

058P

↓

Solid Abutment

057P

Protect Cap

058P

UF(II) Narrow

039P

UF(II) Regular

040P

UF(II) Wide

041P

Cover Screw

042P

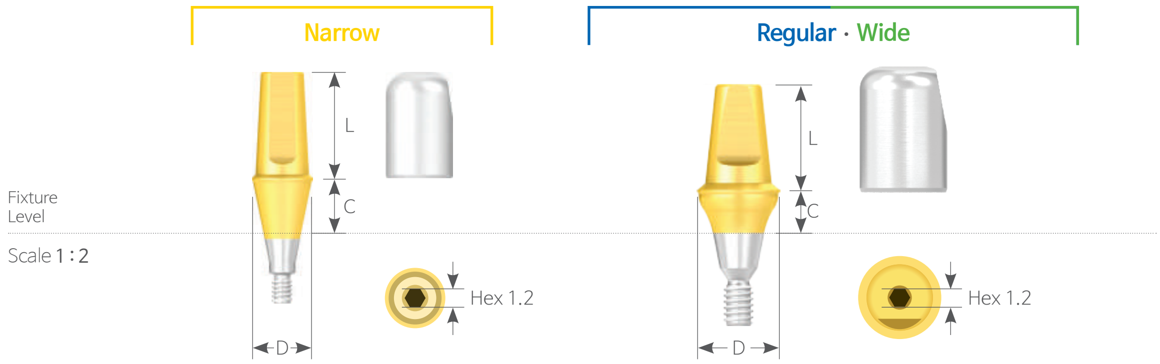
Healing Abutment

042P

Solid Abutment

▸ Abutment of cement retained type that uses dental cement to fix prosthesis in place

- Abutment and screw are in one-piece structure.
- Taking impression at abutment level.
- Gold colored gingival area for esthetic purpose
- Uses1.2 Hex Driver / Solid Abutment Driver
- Packing Unit : Abutment + Protect Cap
- Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W

Unit mm I Scale 1 : 1.25

Fixture Size		Narrow	Regular · Wide			
Abut. Diameter		Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Length 4	Cuff 1	–	SSSA 45104	SSSA 55104	SSSA 65104	SSSA 75104
	2	–	SSSA 45204	SSSA 55204	SSSA 65204	SSSA 75204
	3	–	SSSA 45304	SSSA 55304	SSSA 65304	SSSA 75304
	4	–	SSSA 45404	SSSA 55404	SSSA 65404	SSSA 75404
	5	–	SSSA 45504	SSSA 55504	SSSA 65504	SSSA 75504
Length 5.5	Cuff 1	UNSSA 40105	SSSA 45105	SSSA 55105	SSSA 65105	SSSA 75105
	2	UNSSA 40205	SSSA 45205	SSSA 55205	SSSA 65205	SSSA 75205
	3	UNSSA 40305	SSSA 45305	SSSA 55305	SSSA 65305	SSSA 75305
	4	UNSSA 40405	SSSA 45405	SSSA 55405	SSSA 65405	SSSA 75405
	5	UNSSA 40505	SSSA 45505	SSSA 55505	SSSA 65505	SSSA 75505
	6	UNSSA 40605	–	–	–	–
	7	UNSSA 40705	–	–	–	–
Length 7	Cuff 1	UNSSA 40107	SSSA 45107	SSSA 55107	SSSA 65107	SSSA 75107
	2	UNSSA 40207	SSSA 45207	SSSA 55207	SSSA 65207	SSSA 75207
	3	UNSSA 40307	SSSA 45307	SSSA 55307	SSSA 65307	SSSA 75307
	4	UNSSA 40407	SSSA 45407	SSSA 55407	SSSA 65407	SSSA 75407
	5	UNSSA 40507	SSSA 45507	SSSA 55507	SSSA 65507	SSSA 75507
	6	UNSSA 40607	–	–	–	–
	7	UNSSA 40707	–	–	–	–

Solid Abutment Components

Protect Cap

▸ Used to protect abutment in the patient's mouth and minimize the discomfort for the patient.
· Can be applied to substructure of temporary prosthesis.
· Convenient locking mechanism.

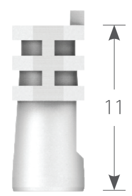
Narrow　　Regular · Wide

N R W　　Unit mm | Scale 1 : 2

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Length 4	-	SSAC **4504**	SSAC **5504**	SSAC **6504**	SSAC **7504**
5.5	UNSAC **4005**	SSAC **4505**	SSAC **5505**	SSAC **6505**	SSAC **7505**
7	UNSAC **4007**	SSAC **4507**	SSAC **5507**	SSAC **6507**	SSAC **7507**

Impression Cap

▸ Used for taking impression of Solid abutment.
· Different coloring provides easy identification for abutment diameter.
· Convenient locking mechanism.



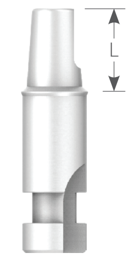
Scale 1 : 2

N R W Length **11**　　Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Length 11	UNSAI **4011**	SSAI **4511**	SSAI **5511**	SSAI **6511**	SSAI **7511**

Solid Abutment Analog

· Solid Abutment is formed on working model.
· Different coloring provides easy identification for abutment diameter.



Scale 1 : 2

N R W　　Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
Length 4	-	SSAA **4504**	SSAA **5504**	SSAA **6504**	SSAA **7504**
5.5	UNSSAA **4005**	SSAA **4505**	SSAA **5505**	SSAA **6505**	SSAA **7505**
7	UNSSAA **4007**	SSAA **4507**	SSAA **5507**	SSAA **6507**	SSAA **7507**

Plastic Coping

▸ Can be used as prosthesis' frame work by installing Solid fixture analog.
· Different coloring provides easy identification on types of case.

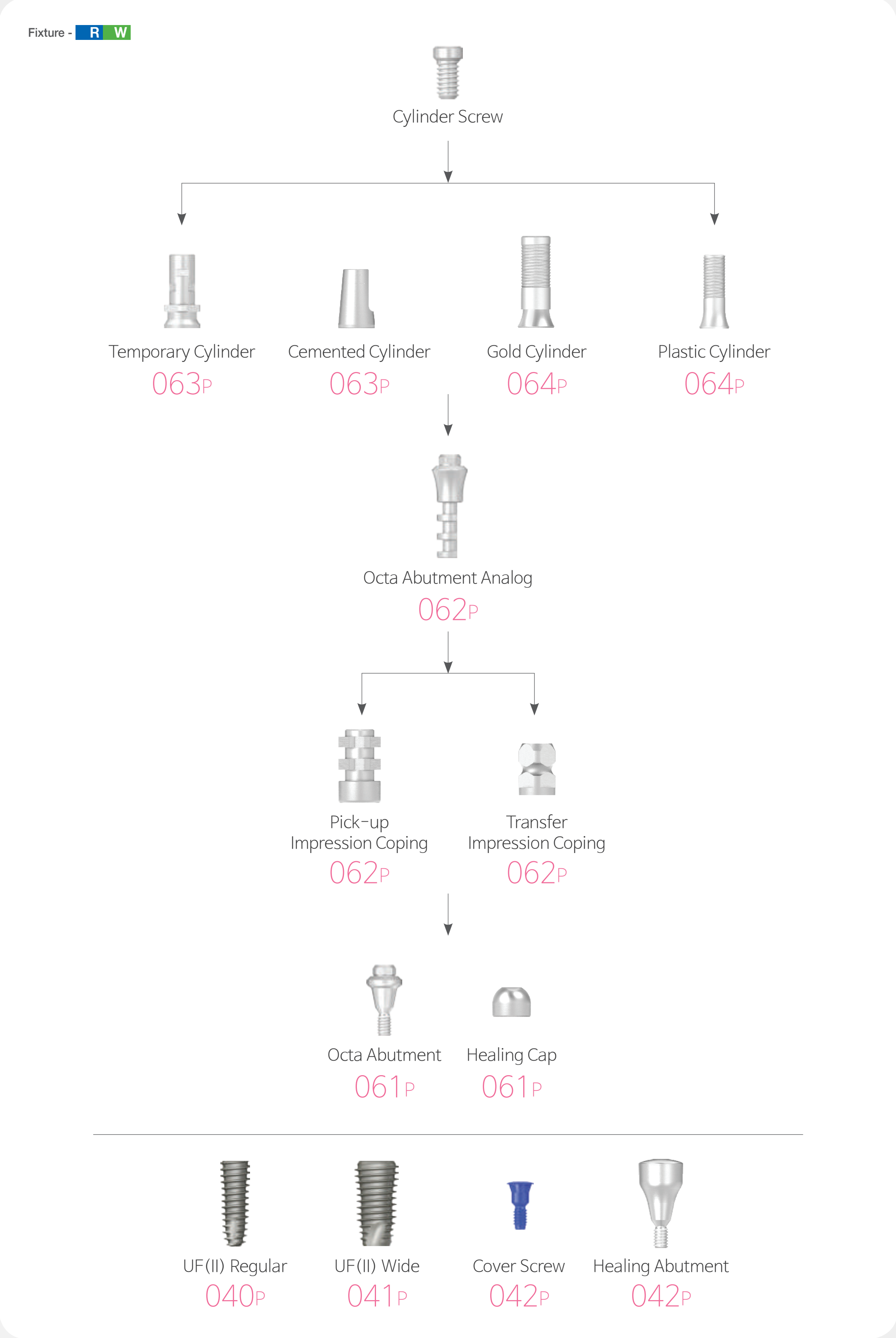
Narrow　　Regular · Wide

N R W Length **10**　　Unit mm | Scale 1 : 2

Fixture Size	Narrow	Regular · Wide			
Abut. Diameter	Ø4.0	Ø4.5	Ø5.5	Ø6.5	Ø7.5
● Single	UNSAP **4010S**	SSAP **4510S**	SSAP **5510S**	SSAP **6510S**	SSAP **7510S**
○ Bridge	UNSAP **4010B**	SSAP **4510B**	SSAP **5510B**	SSAP **6510B**	SSAP **7510B**

Screw-Retained Restorations

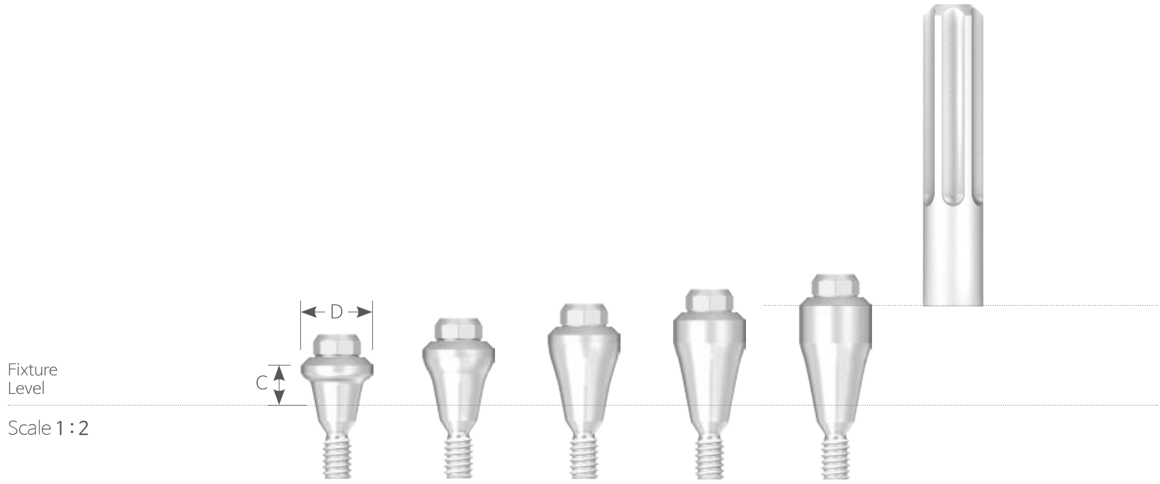
Octa Abutment



Octa Abutment

▸Used to create screw retained prosthesis on poor path bridge case.

· Convert internal connection to external connection, and then use cylinder on it for prosthesis.
· Uses Octa Abutment Driver (HD 3006A-Short / HD 3012A-Long)
· Packing Unit : Octa Abutment + Abutment Holder (Convenient to install in patient's Mouth.)
· Tightening Torque : 30~35Ncm



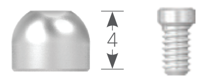
R W — Unit mm

Fixture Size	Regular · Wide		
Diameter	Ø4.8	Ø6.0	Ø6.5
Cuff 1.5	SSOA **4815**	SSOA **6015**	SSOA **6515**
2.5	SSOA **4825**	SSOA **6025**	SSOA **6525**
3.5	SSOA **4835**	SSOA **6035**	SSOA **6535**
4.5	SSOA **4845**	SSOA **6045**	SSOA **6545**
5.5	SSOA **4855**	SSOA **6055**	SSOA **6555**

Healing Cap

▸To protect Octa Abutment in oral, and minimize the discomfort for patient.

· Uses 1.2 Hex Driver
· Packing Unit : Healing Cap + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



R W Length 4 — Unit mm I Scale 1 : 2

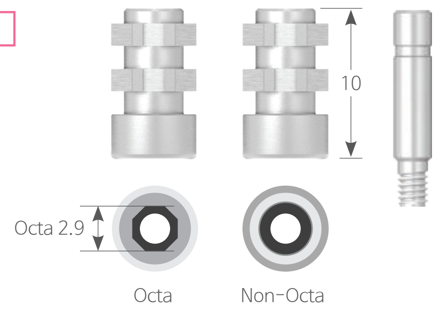
Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
	HCI **48504**	HCI **60704**	HCI **65704**

Octa Abutment Components

Pick-up Impression Coping

Octa Non-Octa

▸Custom tray is used for pick-up type of impression taking.
· Asymmetry structure to minimize close interruption
· Uses 1.2 Hex Driver
· Packing Unit : Pick-up Impression Coping + Coping Screw (POI 2610)

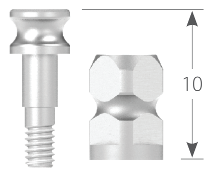


R W Length 10 — Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa	IPI 48610	IPI 60710	IPI 65710
Non-Octa	IPI 48610N	IPI 60710N	IPI 65710N

Transfer Impression Coping

▸Ready-made tray is used for transfer type of impression taking.
· Double sided structure which elevates the quality
· Uses 1.2 Hex Driver
· Packing Unit : Transfer Impression Coping + Coping Screw (IOTI 48010S)



R W Length 10 — Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
	IOTI 48010	IOTI 60010	IOTI 65010

Octa Abutment Analog

▸Octa Abutment is formed on working model.

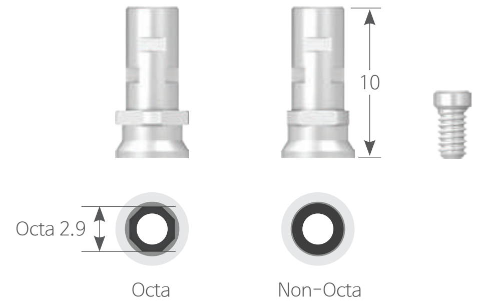
R W — Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Length 10	-	RCI 60014	-
12	RCI 48014	-	RCI 65014

Temporary Cylinder

Octa Non-Octa

· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



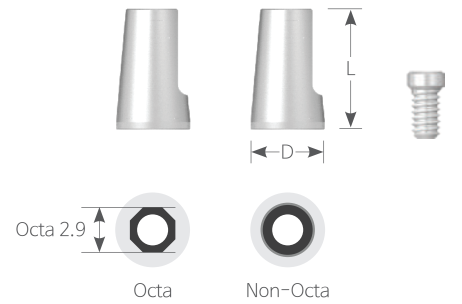
R W Length 10 — Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa	ITC 48010 [H]	ITC 60010 [H]	ITC 65010 [H]
Non-Octa	ITC 48010N [H]	ITC 60010N [H]	ITC 65010N [H]

Cemented Cylinder

Octa Non-Octa

· Uses 1.2 Hex Driver
· Packing Unit : Cemented Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



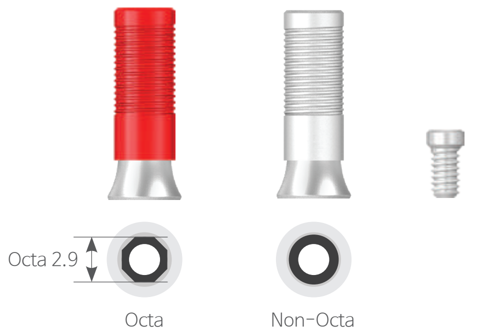
R W — Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide			
Abut. Diameter	Ø4.8	Ø4.8	Ø6.0	Ø6.5
Cylinder Diameter	Ø5.0	Ø5.8	Ø6.4	Ø6.9
Length	8	8	9	9
Octa	ICC 48508 [H]	ICC 48588 [H]	ICC 60649 [H]	ICC 65309 [H]
Non-Octa	ICC 48508N [H]	ICC 48588N [H]	ICC 60649N [H]	ICC 65309N [H]

Octa Abutment Components

Gold Cylinder Octa Non-Octa

- After the customization, **dental gold alloy will be casted only**.
- Cylinder fusion range: 1400˚C~1450˚C
  (Do not use with non-precious metal alloy)
- Uses 1.2 Hex Driver
- Packing Unit : Gold Cylinder + Cylinder Screw (STI 2004H)
- Tightening Torque : 20Ncm

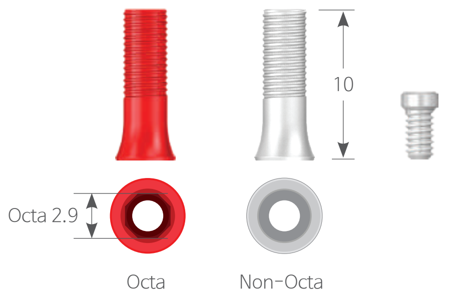


R W Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa ●	AGI **48504[H]**	AGI **60004[H]**	AGI **65704[H]**
Non-Octa ○	AGI **48504N[H]**	AGI **60004N[H]**	AGI **65704N[H]**

Plastic Cylinder Octa Non-Octa

- After the customization, **non-precious metal alloy will be casted only**.
- Less accuracy on connecting part compared to Gold Cylinder.
- Uses 1.2 Hex Driver
- Packing Unit : Plastic Cylinder + Cylinder Screw(STI 2004H)
- Tightening Torque : 20Ncm

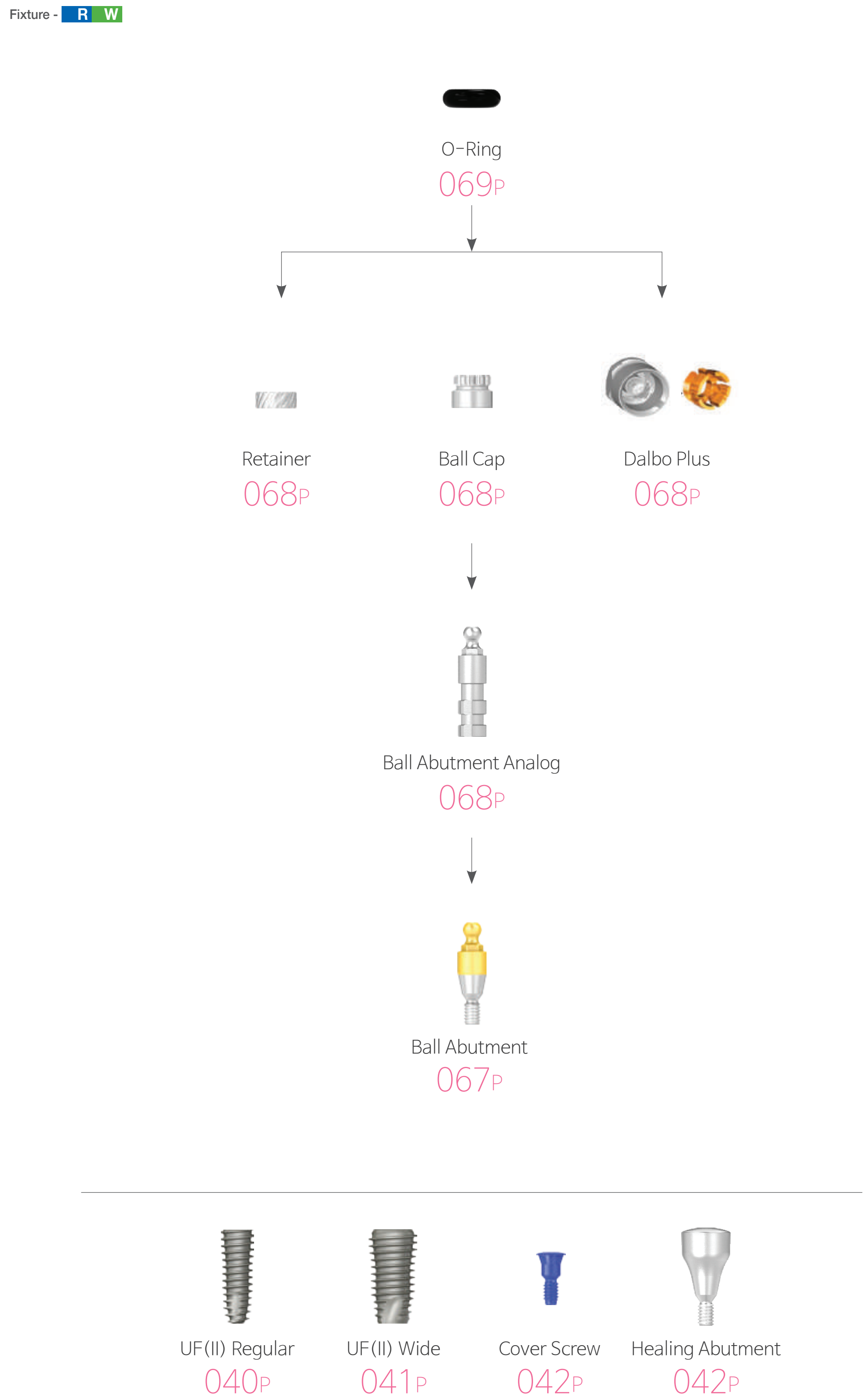


R W Length **10** Unit mm I Scale 1 : 2

Fixture Size	Regular · Wide		
Abut. Diameter	Ø4.8	Ø6.0	Ø6.5
Octa ●	API **48514[H]**	API **60714[H]**	API **65714[H]**
Non-Octa ○	API **48514N[H]**	API **60714N[H]**	API **65714N[H]**

Overdenture-Retained Restorations

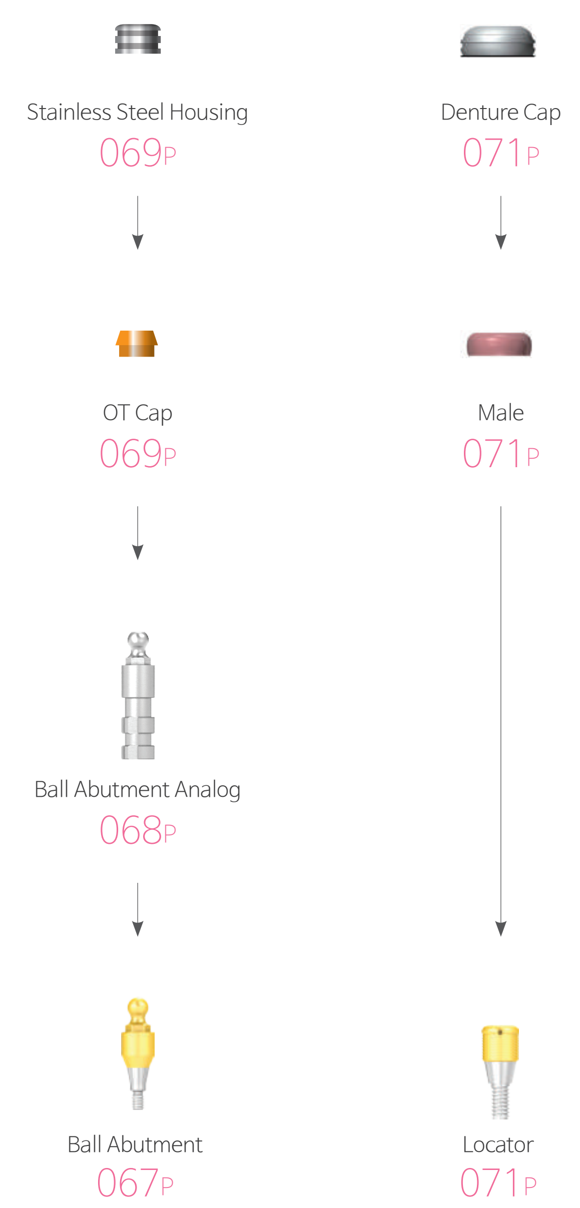
Ball Abutment



Overdenture-Retained Restorations

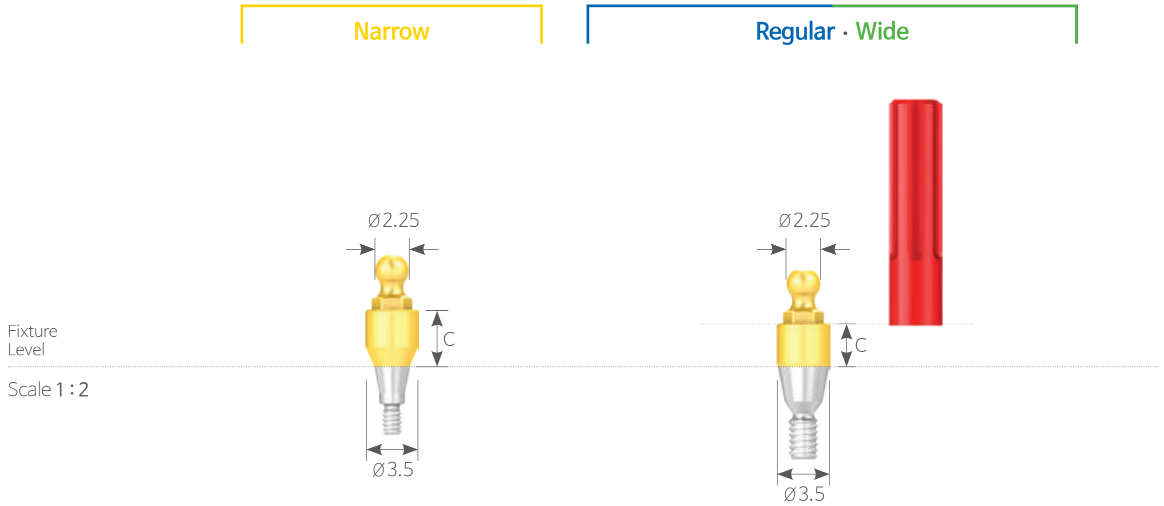
Ball Abutment / Locator

Fixture - N R W



Ball Abutment

- ▸Used to create over-denture for edentulous patient.
- ▸Used when fixed type prosthesis is difficult due to severe bone or soft tissue loss.
- · Composition of o-ring: For dental lab use (black), for clinic use (orange)
- · Post partis coloring in gold
- · Path recovery to the maximum of 20˚
- · Uses Ball Abutment Driver
- · Packing Unit : Abutment (Holder installation : Convenient to install in patient's mouth) + O-Ring (Orange)
- · Tightening Torque : N 20Ncm, R W 30~35Ncm



N R W

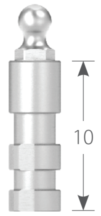
Unit mm

Fixture Size	Narrow	Regular · Wide
Diameter	Ø3.5	Ø3.5
Length 1	UNSBA 3510	SSBA 3510
2	UNSBA 3520	SSBA 3520
3	UNSBA 3530	SSBA 3530
4	UNSBA 3540	SSBA 3540
5	UNSBA 3550	SSBA 3550
6	UNSBA 3560	SSBA 3560
7	UNSBA 3570	SSBA 3570

Ball Abutment Components

Ball Abutment Analog

▸Provides anchor point for ball abutment on working model.



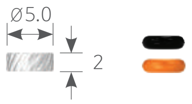
N R W Length 10

Unit mm | Scale 1 : 2

Fixture Size	Narrow	Regular · Wide
Abut. Diameter	Ø3.5	Ø3.5
	UNSBAA 3510	SABA 3510

Retainer

· Advantageous when occlusal distance is low compare to Ball Cap.
· Packing Unit : Retainer + O-Ring (OR 0450 B / OR 0450 O)



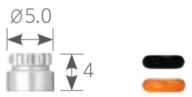
R W D Ø5.0 Length 2

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide
	RT 0502

Ball Cap

· Outstanding consistency and clip-on
· Packing Unit : Ball Cap + O-Ring (OR 0450 B / OR 0450 O)



R W D Ø5.0 Length 4

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide
	BC 5004

Dalbo Plus

· Double structure with titanium housing and precious metallic insert.
· Provides long term usage about 10,000 trials with its resistance to abrasion. Minimum abrasion to the Ball Abutment and to the insert.
· Simple and convenient retention.
· Up to 20° in insertion angle flexibility.

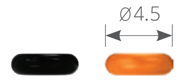
R W

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide
	DBPM 201

O-Ring

· Black : For dental lab use
· Orange : For clinical use (Over 6Ncm)
· Packing Unit : O-Ring 1 Piece



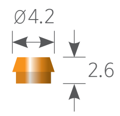
R W D Ø4.5

Unit mm | Scale 1 : 2

Fixture Size	Regular · Wide	
	OR 0450 B	OR 0450 O
Color	● Black	● Orange

OT Cap Orange

· Excellent retention is obtained with broader contact area compared to o-ring.
· Packing Unit : 6 Piece
· Caution) There is no separate cap for dental lab.
Replace the cap after making the denture.



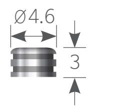
N R W D Ø4.2 Length 2.6

Unit mm | Scale 1 : 1.25

Fixture Size	Narrow · Regular · Wide
	049PCNDR8

Stainless Steel Housing

· The new stainless steel housing decrease the size that can provide better stability and retention with resin.
· Packing Unit : 2 Piece



N R W D Ø4.6 Length 3

Unit mm | Scale 1 : 1.25

Fixture Size	Regular · Wide
	041CAN

Ball Abutment Components

Insertion Tool For Caps

▸Used for insertion the cap in the stainless housing.
· Possible to use both tip in a normal and micro situation.
· Packing Unit : Handle + Tip

N R W

Fixture Size	Regular · Wide
	085IAC

Remover Tool For Caps

▸Used for removing the cap from the stainless housing
· Possible to use in both normal and micro situation with one tool.

N R W

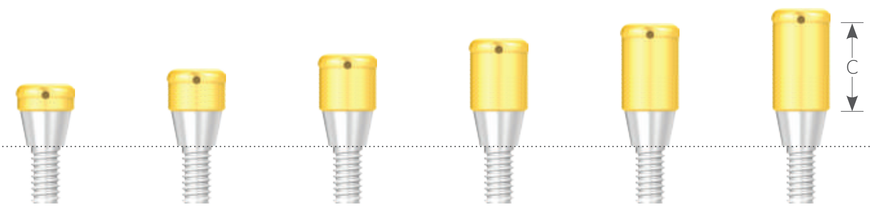
Fixture Size	Regular · Wide
	091EC

Locator

· Upgraded from the conventional method used (O-Ring System, Bar Type System, etc.) by connecting a locator abutment to the fixture and used by connecting to / separating from male part connected to the denture

Fixture Level

Scale 1 : 2



N R W

Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular · Wide
Cuff 1	02961	02967
2	02962	02968
3	02963	02969
4	02964	02970
5	02965	02971
6	02966	02972

Male

N R W Standard 20°

Retention	1.5 LBS	3 LBS	5 LBS
			
	LOC 8529	LOC 8527	LOC 8524
Intensity	Weak	Intermediate	Strong

N R W Angled 40°

Retention	0 LBS	1 LBS	2 LBS	4 LBS
				
	LOC 8558	LOC 8548	LOC 8915	LOC 8547
Intensity	Weak	Intermediate	Intermediate	Strong

Male Pakage

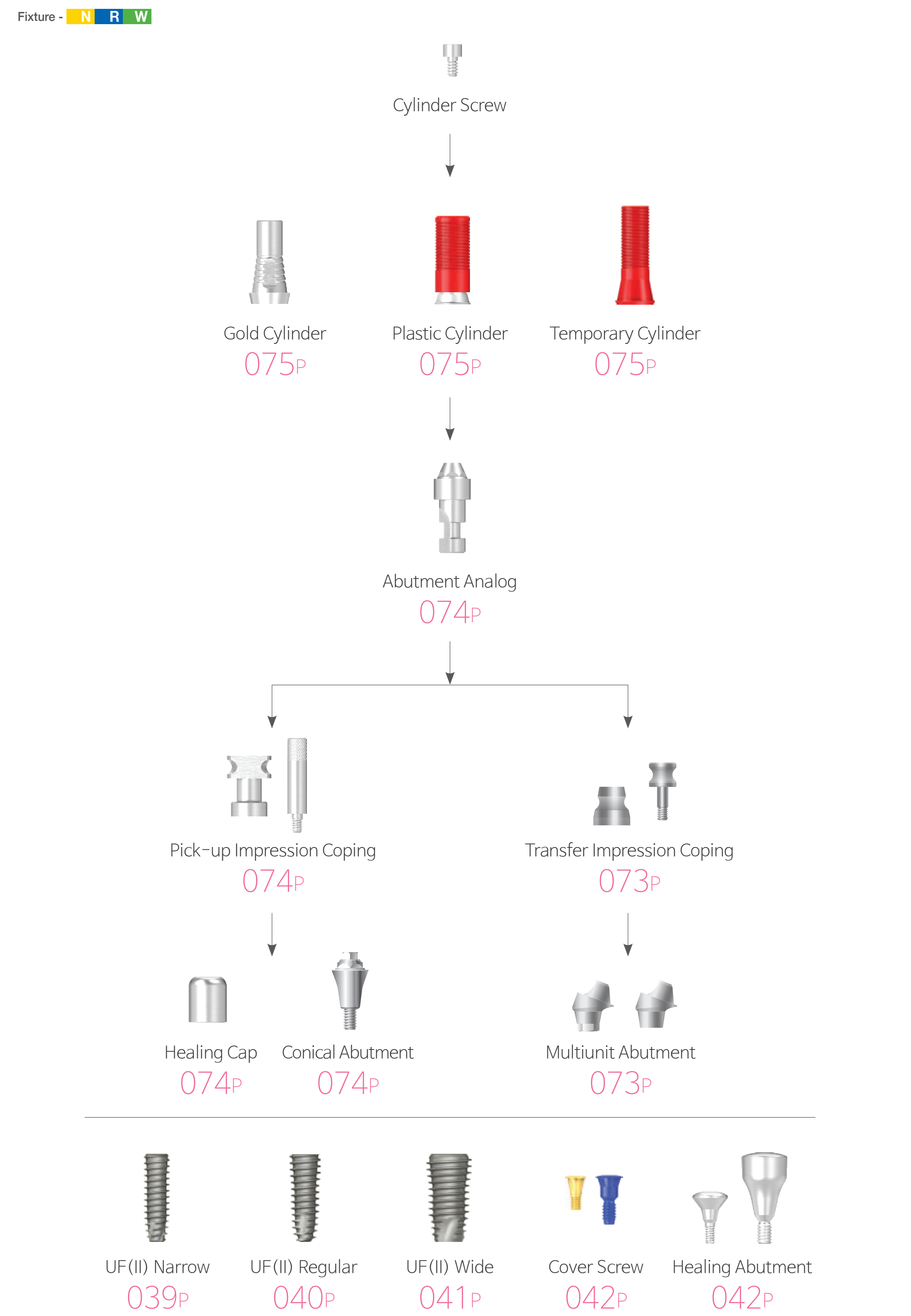
· Packing Unit : Denture Caps(LOC 8510) +
Black Processing Males(LOC 8515) +
Retention Males(White, Pink, Blue) +
Block-Out Spacers(LOC 8514)

N R W

Type	1 Set	2 Set
	LOC 8519	08519-2

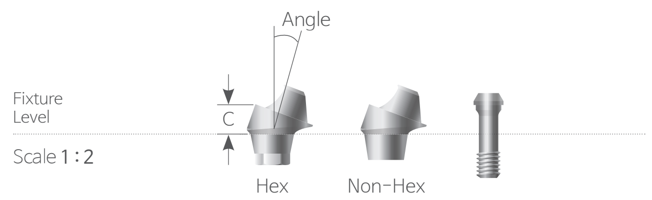
Screw-Retained Restorations

Multiunit / Conical Abutment



Muliunit Abutment Hex Non-Hex

· Packing Unit : Abutment + Screw (MAS2006S) + Holder (MAH1425)
· Tightening Torque : 30~35Ncm



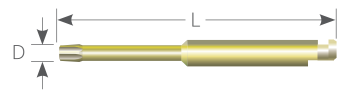
N R W Hex Unit mm

Fixture Size	Narrow	Regular · Wide	
Angle	20˚	20˚	30˚
Cuff 2.5	UNSMUA 482520H	UMA 482520H	-
3	UNSMUA 483020H	UMA 483020H	UMA 483030H
4	UNSMUA 484020H	UMA 484020H	UMA 484030H
5	UNSMUA 485020H	UMA 485020H	UMA 485030H

N R W Non-Hex

Fixture Size	Narrow	Regular · Wide	
Angle	20˚	20˚	30˚
Cuff 2.5	UNSMUA 482520N	UMA 482520N	-
3	UNSMUA 483020N	UMA 483020N	UMA 483030N
4	UNSMUA 484020N	UMA 484020N	UMA 484030N
5	UNSMUA 485020N	UMA 485020N	UMA 485030N

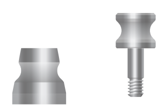
Multiuint Screw Driver



N R W D Ø1.4 Length **25** Unit mm I Scale 1 : 1.25

Code	MSD 1425

Transfer Impression Coping

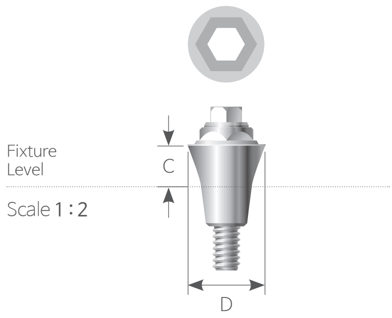


N R W Unit mm I Scale 1 : 1.25

Code	ICC 4805 / ICCS 1407

Conical Abutment

· Maintains screw and prosthetic aesthetics.
· For fabrication of prosthetic on cylinder after abutment has been placed.
· Up to 48˚path angle
· Uses Ø2.0 Conical Abutment Driver (HD 2012A)
· Tightening Torque : 30~35Ncm



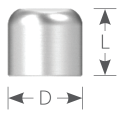
N R W D Ø4.8

Unit mm

Fixture Size	Narrow	Regular · Wide
Cuff 1	UNSKA 4801	UCA 4801
2	UNSKA 4802	UCA 4802
3	UNSKA 4803	UCA 4803

Healing Cap

· Protects the Conical Abutment and promotes patient healing.
· Uses 1.2 Hex Driver
· Tightening Torque : 20Ncm



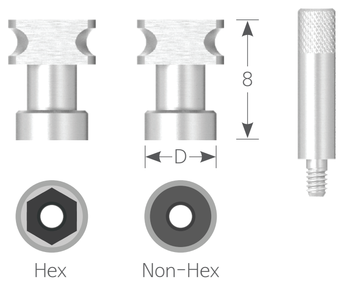
N R W D Ø1.4 Length 4.5

Unit mm I Scale 1 : 2

Code	HCN 40504

Pick-up Impression Coping

· Create final impression of Conical Abutment on Impression Coping.
· For use with pick-up type custom trays.
· Packing Unit : Pick-up Impression Coping + Guide Pin



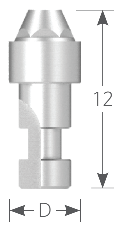
N R W D Ø4.8 Length 8

Unit mm I Scale 1 : 2

Type	Hex	Non Hex
	IPN 40508	IPN 40508N
Guide Pin	PCN 40310	PCN 40310S

Abutment Analog

· Provides anchor point for Conical Abutment.



N R W D Ø4.8 Length 12

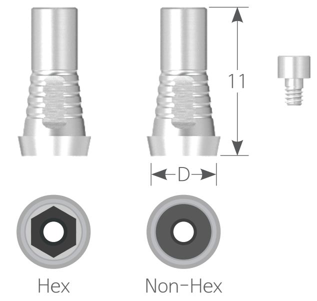
Unit mm I Scale 1 : 1.25

Code	RCN 40412

Multiunit / Conical Abutment Components

Temporary Cylinder Hex Non-Hex

· For fabricating temporary prosthetics on top of Conical Abutments.
· Simple customization & Minimizes restriction
· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw (SHN 1403)
· Tightening Torque : 20Ncm



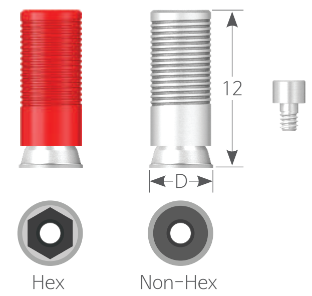
N R W D Ø5.4 Length 11

Unit mm I Scale 1 : 18

Type	Hex	Non Hex
	TCN 40511	TCN 40511N

Gold Cylinder Hex Non-Hex

· Cylinder Melting Point: 1400~1500℃ (Depending on casting machine)
· Uses 1.2 Hex Driver
· Packing Unit : Gold Cylinder + Cylinder Screw (SHN 1403)
· Tightening Torque : 20Ncm



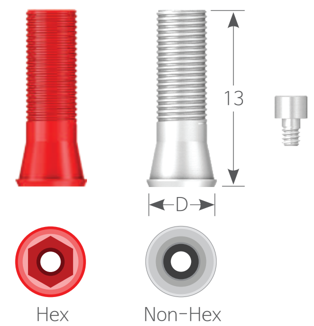
N R W D Ø5.0 Length 12

Unit mm I Scale 1 : 18

Type	Hex	Non Hex
	AGN 40504	AGN 40504N

Plastic Cylinder Hex Non-Hex

· Cast in premium gold alloy after customization.
· Less precise than the gold cylinder.
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Cylinder Screw (SHN 1403)
· Tightening Torque : 20Ncm

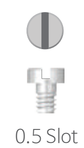


N R W D Ø5.0 Length 13

Unit mm I Scale 1 : 18

Type	Hex	Non Hex
	APN 40514S	APN 40514SN

Cylinder Screw



N R W Length 3

Unit mm I Scale 1 : 2

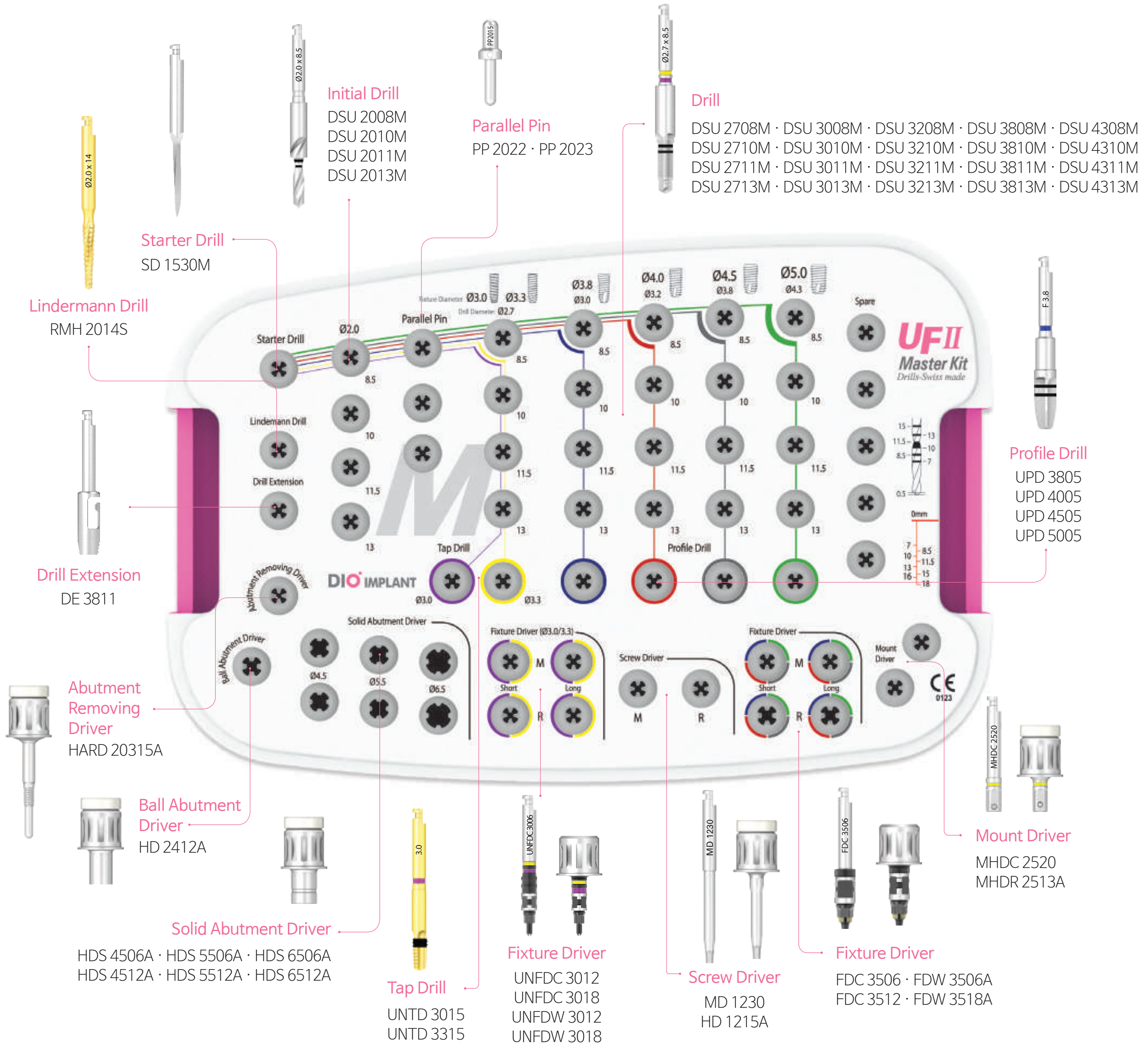
Code	SSN 1403

UFⅡ Master Kit

Kit Code | UF(M) 06

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3/ UF(II) Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Fixture

Unit mm | Drill Scale 1 : 0.9

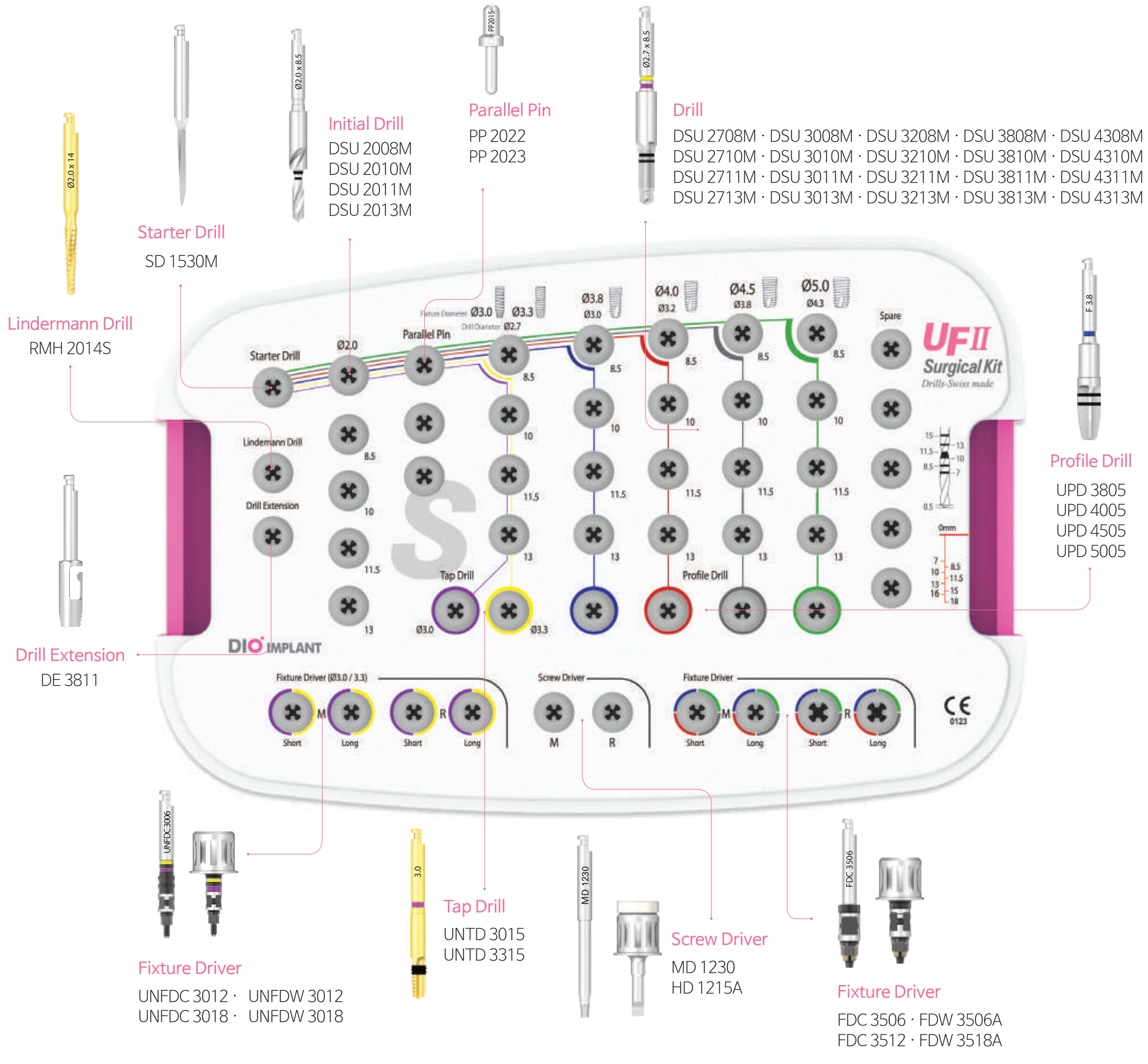


UFⅡ Surgical Kit

Kit Code | UF(M) 07

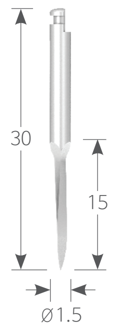
· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3/ UF(II) Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Ø5.5 Fixture

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Starter Drill



K D Ø1.5

Unit mm I Scale 1 : 1.15

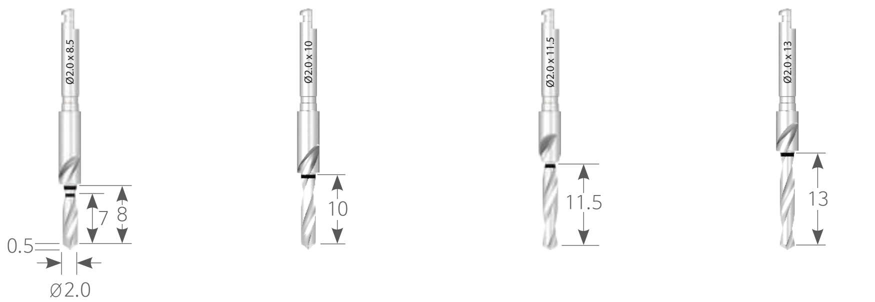
Code	SD 1530M

Intial Drill

K D Ø2.0

Unit mm I Scale 1 : 1

Code	DSU 2008M	DSU 2010M	DSU 2011M	DSU 2013M



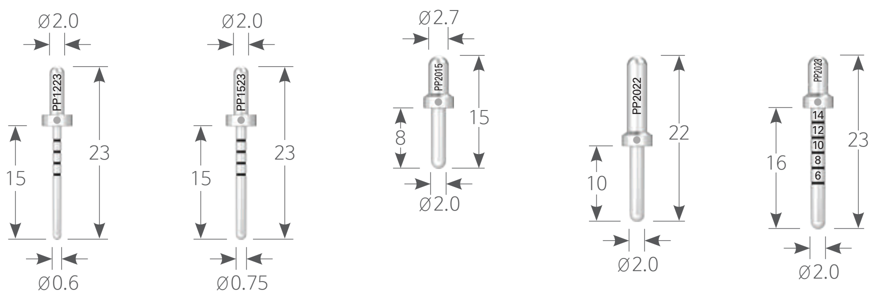
Parallel Pin

Sold separately

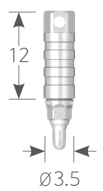
K

Unit mm I Scale 1 : 1

Code	PP 1223	PP 1523	PP 2015	PP 2022	PP 2023



Path Pin



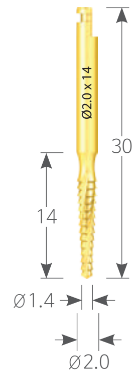
Sold separately

K D Ø3.5

Unit mm I Scale 1 : 1.15

Code	DPP 3512

Lindemann Drill

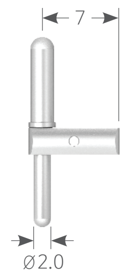


K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	RMH 2014S

Positioning Guide



Sold separately

K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	PG 0060

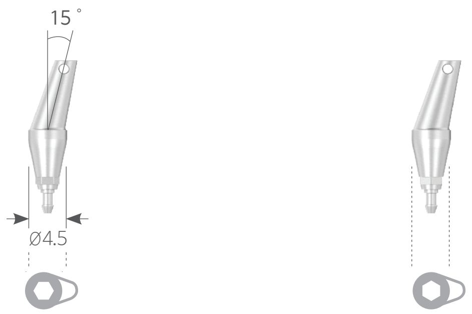
Angled Path Pin

Sold separately

K D Ø4.5

Unit mm I Scale 1 : 1.15

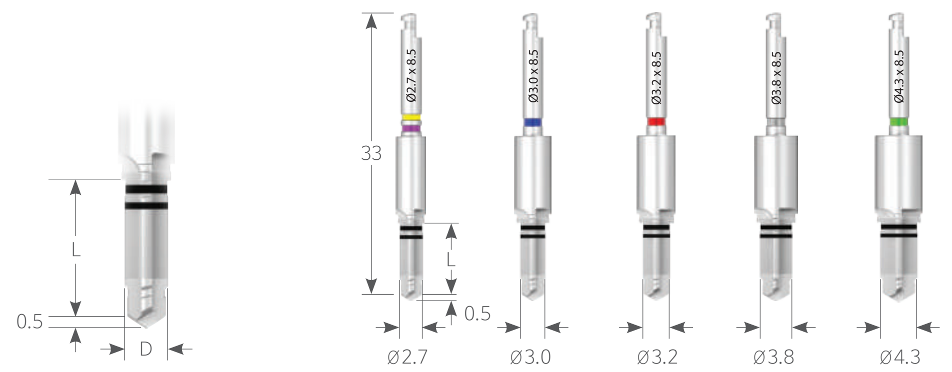
Code	DAP 4515A	DAP 4515B



Type	Hex A	Hex B

Surgical Tool

Drill



Color | ● ● (purple, yellow) ● (blue) ● (red) ● (gray) ● (green)

Scale 1 : 1.15

● Sold separately

K D Ø2.7 Fixture Size Ø3.0 / Ø3.3

Unit mm I Scale 1 : 1

Code	DSU 2708M	DSU 2710M	DSU 2711M	DSU 2713M	DSU 2715M	DSU 2718M
Length	8.5	10	11.5	13	15	18

K D Ø3.0 Fixture Size Ø3.8

Unit mm I Scale 1 : 1

Code	DSU 3008M	DSU 3010M	DSU 3011M	DSU 3013M	DSU 3015M	DSU 3018M
Length	8.5	10	11.5	13	15	18

K D Ø3.2 Fixture Size Ø4.0

Unit mm I Scale 1 : 1

Code	DSU3208M	DSU 3210M	DSU 3211M	DSU 3213M	DSU 3215M	DSU 3218M
Length	8.5	10	11.5	13	15	18

K D Ø3.8 Fixture Size Ø4.5

Unit mm I Scale 1 : 1

Code	DSU 3808M	DSU 3810M	DSU 3811M	DSU 3813M	DSU 3815M	DSU 3818M
Length	8.5	10	11.5	13	15	18

K D Ø4.3 Fixture Size Ø5.0

Unit mm I Scale 1 : 1

Code	DSU4308M	DSU 4310M	DSU 4311M	DSU 4313M	DSU 4315M	DSU 4318M
Length	8.5	10	11.5	13	15	18

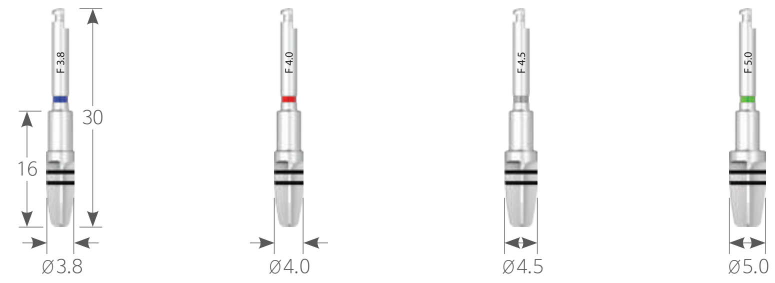
Surgical Tool

Profile Drill

K

Unit mm I Scale 1 : 1

Code	UPD 3805M	UPD 4005M	UPD 4505M	UPD 5005M



Color

Tap Drill

K

Unit mm I Scale 1 : 1

Code	UNTD 3015	UNTD 3315

Color

Drill Extension

K

Unit mm I Scale 1 : 1.2

Code	DE 3811

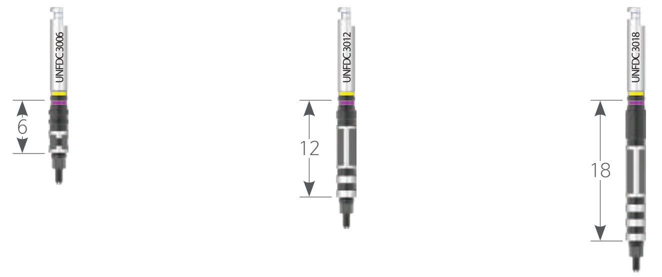
Fixture Driver Narrow

Sold separately

K Machine

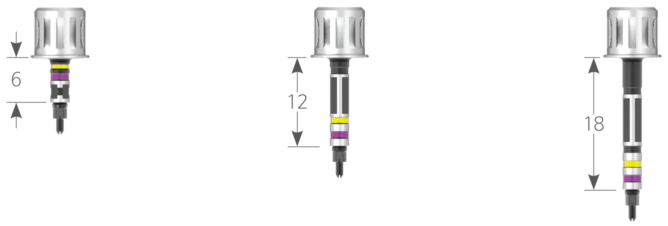
Unit mm I Scale 1 : 1

Code	UNFDC 3006	UNFDC 3012	UNFDC 3018



K Ratchet

Code	UNFDW 3006	UNFDW 3012	UNFDW 3018



Fixture Driver Regular

Sold separately

K Machine

Unit mm I Scale 1 : 1

Code	FDC 3506	FDC 3512	FDC 3518

K Ratchet

Code	FDW 3506A	FDW 3512A	FDW 3518A

Surgical Tool

Screw Driver Machine

● Sold separately

K Slot **0.5**

Unit mm I Scale 1 : 1

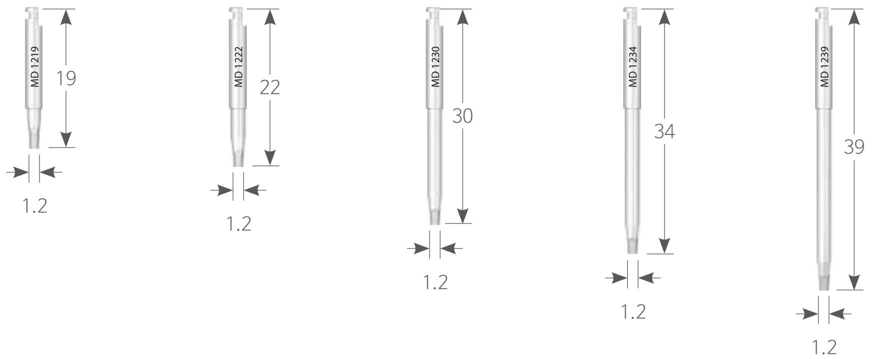
Code	MD 0522	MD 0530

K Hex **0.9**

Code	MD 0922	MD 0930

K Hex **1.2**

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239



K Torx **1.7**

Code	MD 1719	MD 1722	MD 1730

Screw Driver Ratchet

● Sold separately

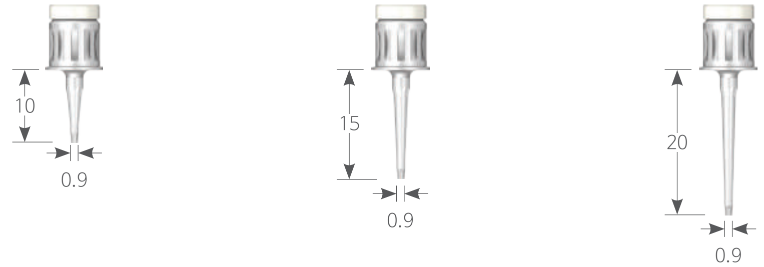
K Slot **0.5**

Unit mm I Scale 1 : 1

Code	HD 0510A	HD 0515A

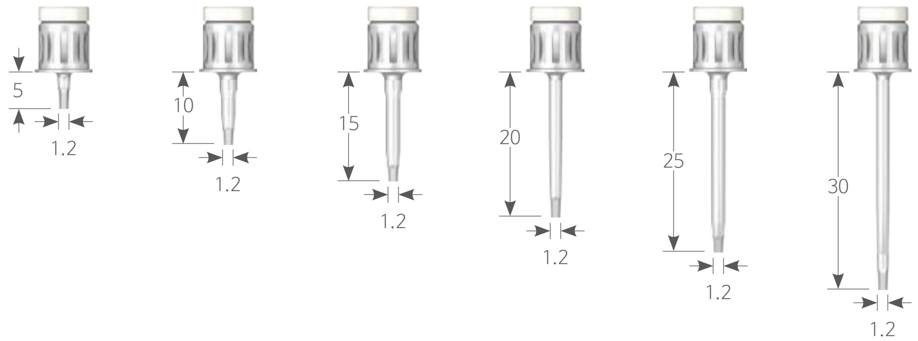
K Hex **0.9**

Code	HD 0910A	HD 0915A	HD 0920A



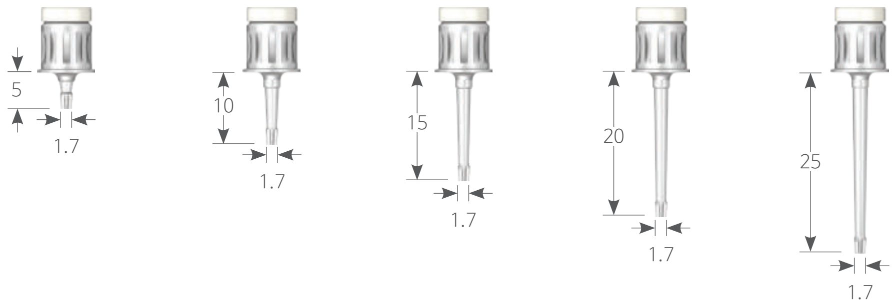
K Hex **1.2**

Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A



K Torx **1.7**

Code	HD 1705A	HD 1710A	HD 1715A	HD 1720A	HD 1725A



Surgical Tool

Fixture Mount Driver

· For UF(II) Master Kit only

K Hex 2.5

Unit mm I Scale 1 : 1

Type	Machine		Ratchet	
Code	MHDC 2520	MHDC 2525	MHDR 2513A	MHDR 2518A

Solid Abutment Driver

· For UF(II) Master Kit only

K

Unit mm I Scale 1 : 1.2

Length	6	12

Diameter Ø4.5	HDS 4506A	HDS 4512A
Ø5.5	HDS 5506A	HDS 5512A
Ø6.5	HDS 6506A	HDS 6512A

Ball Abutment Driver

· For UF(II) Master Kit only

● Sold separately

K Hex 2.4

Unit mm I Scale 1 : 1

Code	HD 2406A	HD 2412A

Removing Driver

· For UF(II) Master Kit only

K

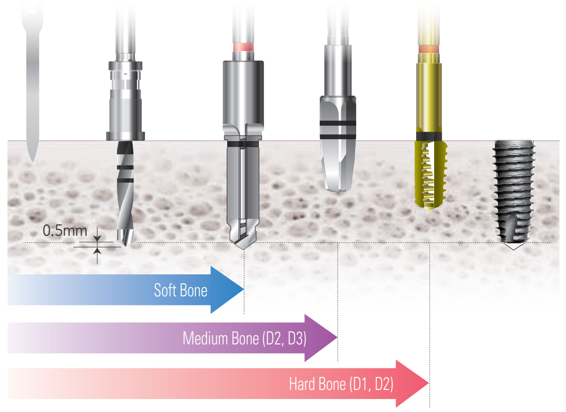
Unit mm I Scale 1 : 1

Code	HARD 20315A	HARD 20320A

Surgical Protocol

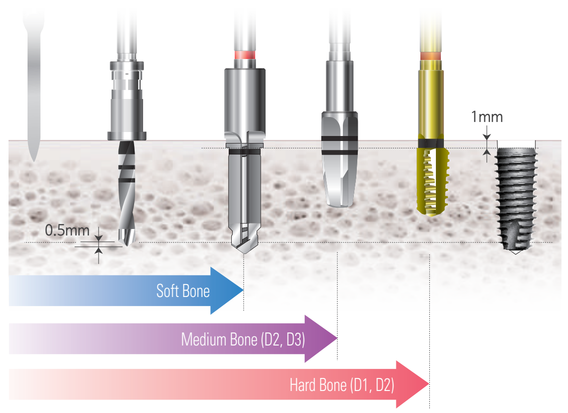
Crestal Placement

Starter Drill	Initial Drill	Drill	Profile Drill	Tap Drill	UF(II) Fixture
1,200rpm	1,000rpm	800rpm	300rpm	50rpm	20rpm



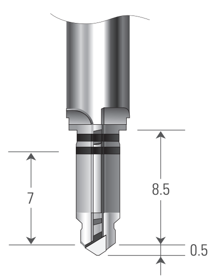
1mm Subcrestal Placement

Starter Drill	Initial Drill	Drill	Profile Drill	Tap Drill	UF(II) Fixture
1,200rpm	1,000rpm	800rpm	300rpm	50rpm	20rpm



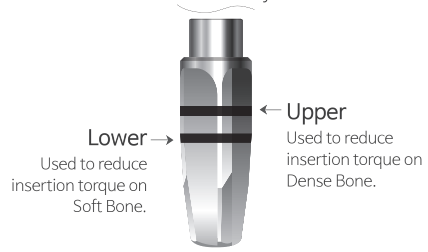
Drill

Using 8.5mm Drill with laser marking to place 7mm implant

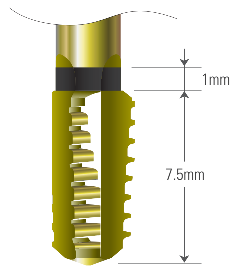


Profile Drill

Drilling depth can effect initial stability.



Tap Drill

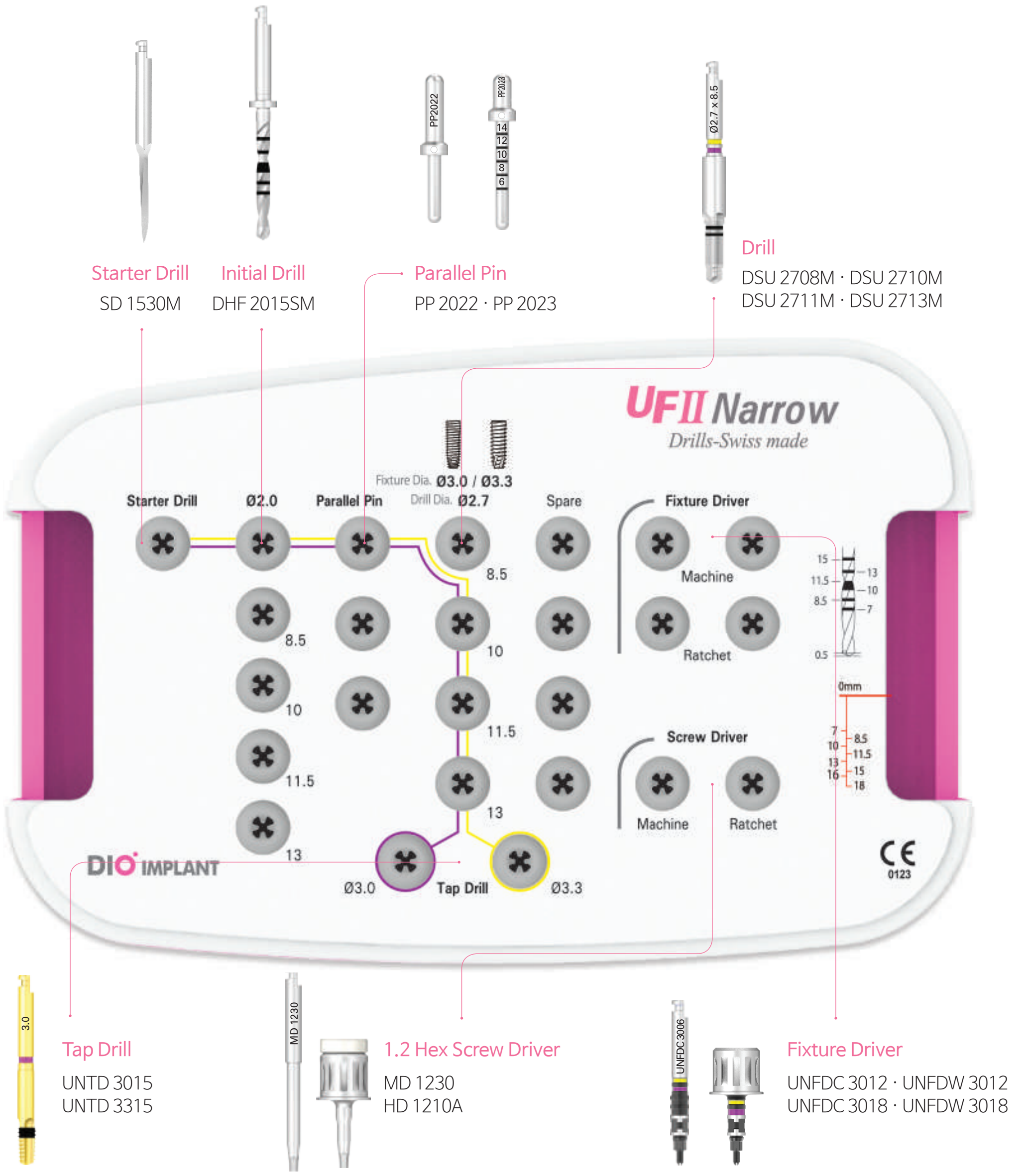


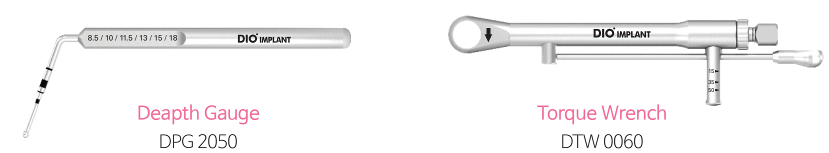
UFⅡ Narrow Kit

Kit Code | UF(M) 08

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3 Fixture

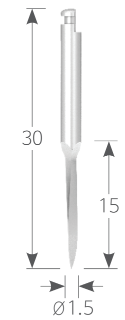
Unit mm | Drill Scale 1 : 0.9





Surgical Tool

Starter Drill

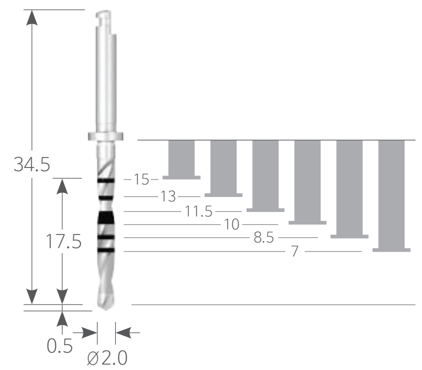


K D Ø1.5

Unit mm | Scale 1 : 1.2

Code	SD 1530M

Initial Drill



K D Ø2.0

Unit mm | Scale 1 : 1.2

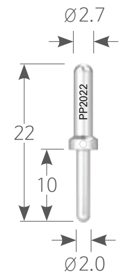
Code	DHF 2015SM

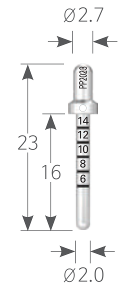
Parallel Pin

K D Ø2.0

Unit mm | Scale 1 : 1

Code	PP 2022	PP 2023





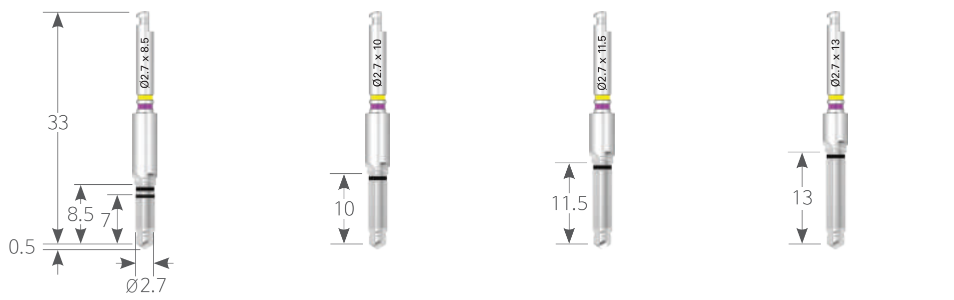
Surgical Tool

Drill

K D Ø2.7

Unit mm I Scale 1 : 1

Code	DSU 2708M	DSU 2710M	DSU 2711M	DSU 2713M



Tap Drill

K

Unit mm I Scale 1 : 1

Code	UNTD 3015	UNTD 3315

Fixture Driver

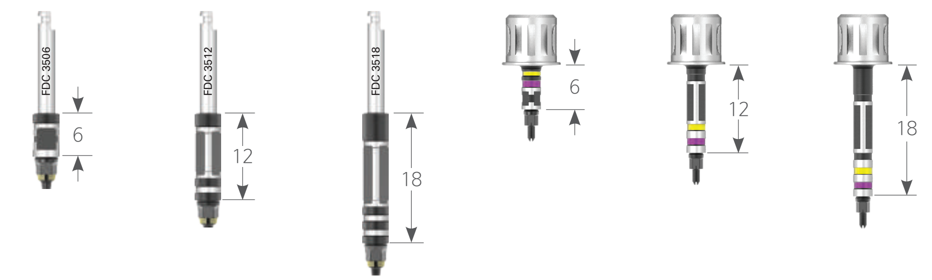
· Maximum Tightening Torque : 50Ncm
· Drill lifespan : 20 oseotomies

● Sold separately

K

Unit mm I Scale 1 : 1

Type	Machine			Ratchet		
Code	UNFDC 3006	UNFDC 3012	UNFDC 3018	UNFDW 3006	UNFDC 3012	UNFDC 3018

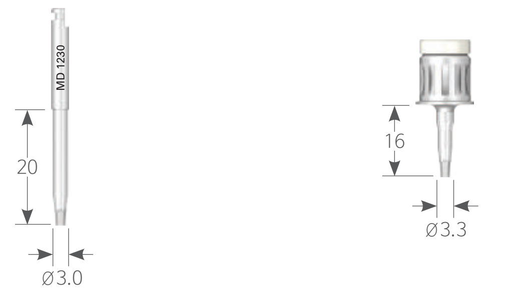


1.2 Hex Screw Driver

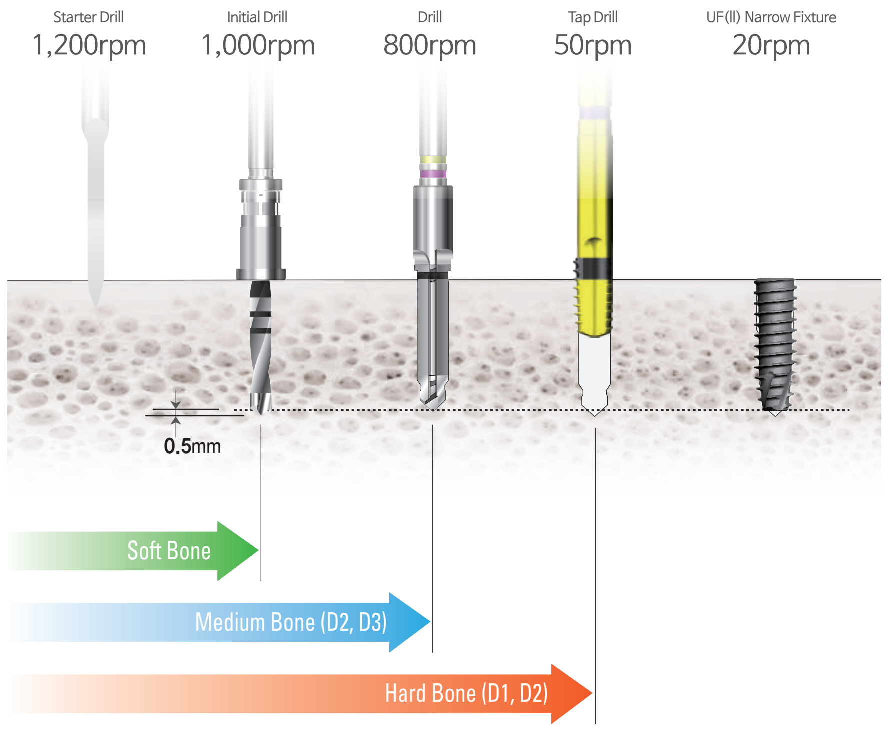
K

Unit mm I Scale 1 : 1

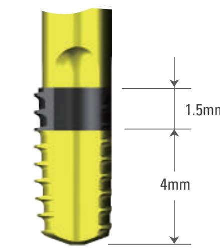
Code	MD 1230	HD 1220A



Surgical Protocol



Tap Drill



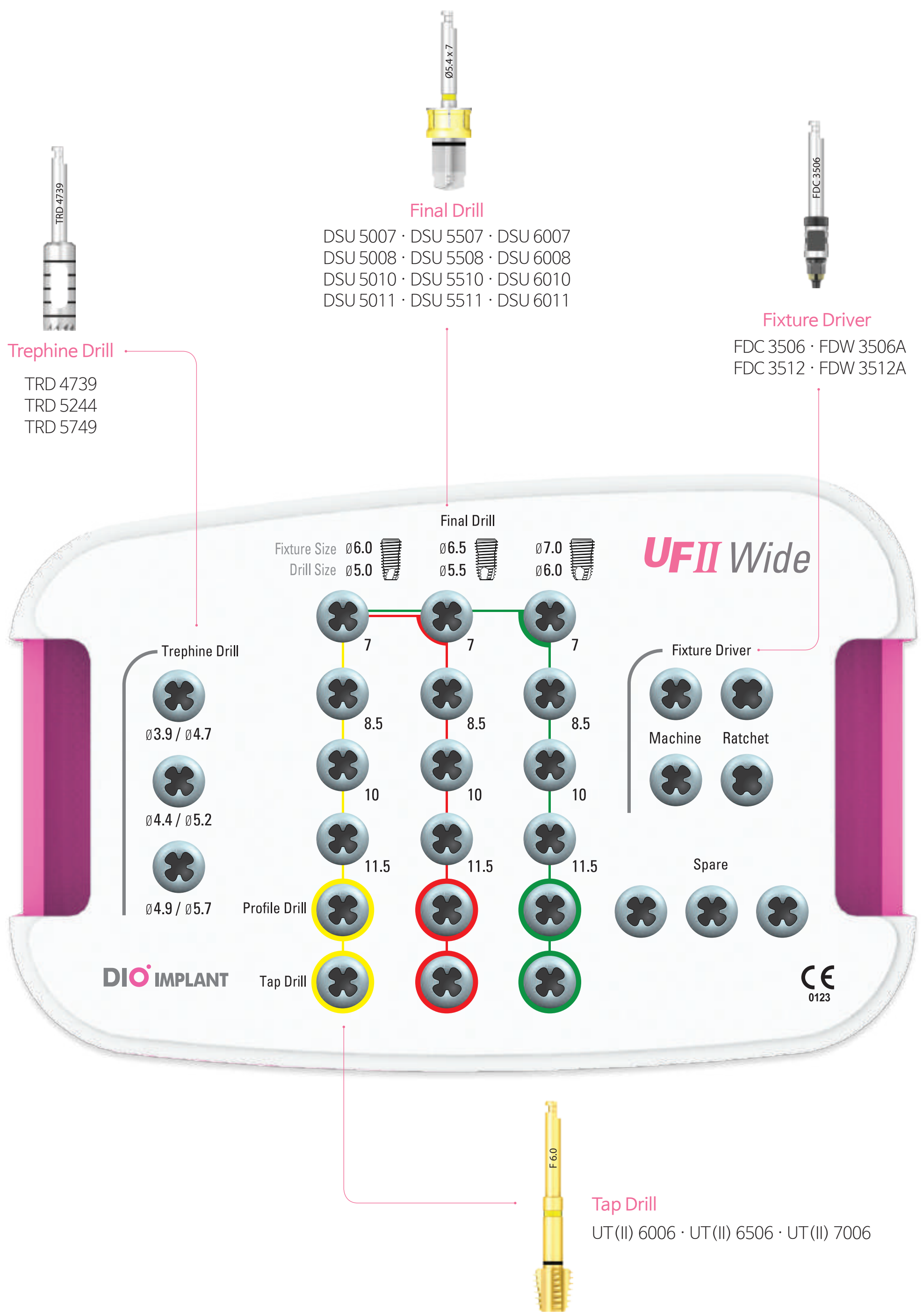
· Tightening torque : 20~40Ncm
Maximum tightening torque : 50Ncm

UFⅡ Wide Kit

Kit Code | UF 09

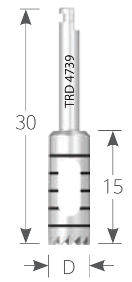
· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Wide Ø6.0 Ø6.5 Ø7.0 Fixture

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Trephine Drill



Scale 1 : 1.15

K

Unit mm | Scale 1 : 1

Code	TRD 4739	TRD 5244	TRD 5749
Diameter	Ø4.7	Ø5.2	Ø5.7

Profile Drill

Scale 1 : 1.15

● Sold separately

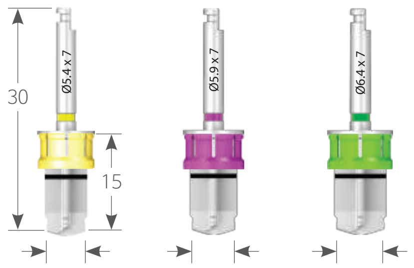
K

Unit mm | Scale 1 : 1

Code	UPD 6010	UPD 6510	UPD 7010
Fixture Size	Ø6.0	Ø6.5	Ø7.0
Color	● (yellow)	● (red)	● (green)

Surgical Tool

Final Drill



Scale 1 : 1.15

Color	yellow	purple	green
Stopper	ST 5504	ST 6004	ST 6504

Sold separately

K D Ø5.0

Unit mm I Scale 1 : 1

Code	DSU 5007	DSU 5008	DSU 5010	DSU 5011	DSU 5013	DSU 5015
Length	7	8.5	10	11.5	13	15

K D Ø5.5

Code	DSU 5507	DSU 5508	DSU 5510	DSU 5511	DSU 5513	DSU 5515
Length	7	8.5	10	11.5	13	15

K D Ø6.0

Code	DSU 6007	DSU 6008	DSU 6010	DSU 6011	DSU 6013	DSU 6015
Length	7	8.5	10	11.5	13	15

Tap Drill

K

Unit mm I Scale 1 : 1

Code	UF(II) 6006	UF(II) 6506	UF(II) 7006
Fixture Size	Ø6.0	Ø6.5	Ø7.0
Color	yellow	red	green

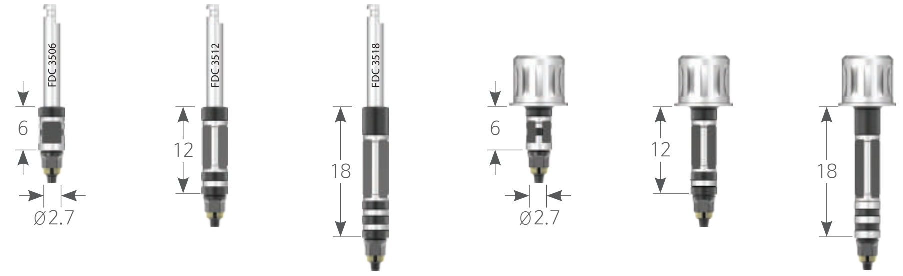
Fixture Driver

Sold separately

K D Ø2.7

Unit mm I Scale 1 : 1

Type	Machine			Ratchet		
Code	FDC 3506	FDC 3512	FDC 3518	FDW 3506A	FDW 3512A	FDW 3518A

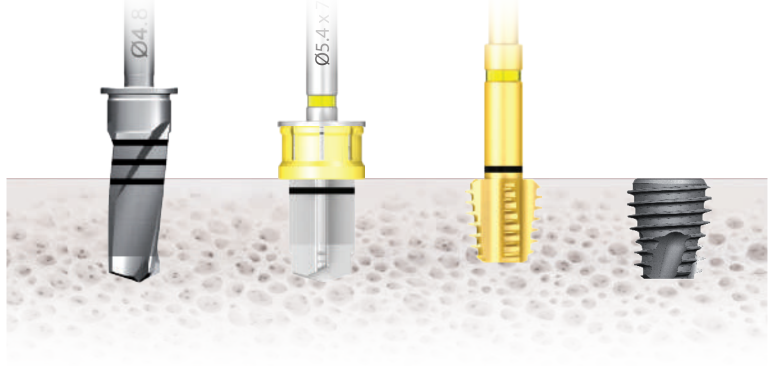


Surgical Protocol

Fixture Length 7mm

Extraction Socket &
Replace failed Implant

Straight Drill	Final Drill	Tap Drill	UF(II) Wide Fixture
800rpm	300rpm	50rpm	20rpm

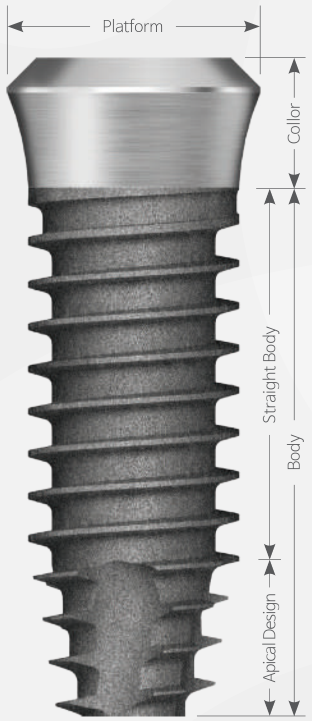


www.dioimplant.com

UFⅡ Internal
Non Submerged System

UFⅡ Int. Non Submerged System

UFⅡ Internal



Upper Thread
A taper thread is applied to straight body, effectively dispersing stress at the top of implant. Threads have higher depth in the apical portion and then decreases gradually into the platform.
This design improves blood supply and lessees the empty space in cortical bone to reduce time of bone formation.

Straight Body
The longer the implant length, the longer the straight body. Therefore, long implant can be placed stably without arousing sudden changes during surgery as in straight type implant.

Morse Tapered Connection 8˚
Perfect connection of abutment and fixture is guaranteed. Impact on the fixture is reduced and bone loss is minimized.

Apical Design
A 12˚ taper is applied for easy initial insertion when undersized implant site is prepared in poor bone density.

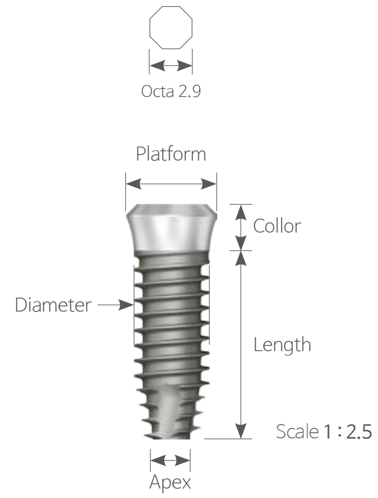
Cutting Edge
Self-tapping is maximized by sharp edge.

Internal Fixture

UFⅡ Internal

P Ø4.8 ꞁ Ø6.0
D Ø3.6 ꞁ Ø4.0 ꞁ Ø4.5 ꞁ Ø5.0 ꞁ Ø5.5
L 7 ꞁ 8.5 ꞁ 10 ꞁ 11.5 ꞁ 13

HSA



N P Ø4.8 D Ø3.6

Unit mm ꞁ Scale 1 : 1.5

Length	7	8.5	10	11.5	13
Collor 2.0	UF(II)I 362007S	UF(II)I 362008S	UF(II)I 362010S	UF(II)I 362011S	UF(II)I 362013S

N P Ø4.8 D Ø4.0

Length	7	8.5	10	11.5	13
Collor 1.8	UF(II)I 401807S	UF(II)I 401808S	UF(II)I 401810S	UF(II)I 401811S	UF(II)I 401813S
Collor 2.8	UF(II)I 402807S	UF(II)I 402808S	UF(II)I 402810S	UF(II)I 402811S	UF(II)I 402813S

Internal Fixture

N P Ø4.8 D Ø4.5

Unit mm I Scale 1 : 1.5


Length	7	8.5	10	11.5	13
Collar 1.8	UF(II)I 451807S	UF(II)I 451808S	UF(II)I 451810S	UF(II)I 451811S	UF(II)I 451813S
Collar 2.8	UF(II)I 452807S	UF(II)I 452808S	UF(II)I 452810S	UF(II)I 452811S	UF(II)I 452813S

N P Ø6.0 D Ø4.5

Unit mm I Scale 1 : 1.5


Length	7	8.5	10	11.5	13
Collar 1.8	UF(II)IW 451807S	UF(II)IW 451808S	UF(II)IW 451810S	UF(II)IW 451811S	UF(II)IW 451813S
Collar 2.8	UF(II)IW 452807S	UF(II)IW 452808S	UF(II)IW 452810S	UF(II)IW 452811S	UF(II)IW 452813S

N P Ø6.0 D Ø5.0

Unit mm I Scale 1 : 1.5


Length	7	8.5	10	11.5	13
Collar 1.8	UF(II)IW 501807S	UF(II)IW 501808S	UF(II)IW 501810S	UF(II)IW 501811S	UF(II)IW 501813S
Collar 2.8	UF(II)IW 502807S	UF(II)IW 502808S	UF(II)IW 502810S	UF(II)IW 502811S	UF(II)IW 502813S

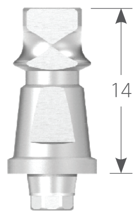
N P Ø6.0 D Ø5.5

Unit mm I Scale 1 : 1.5


Length	7	8.5	10	11.5	13
Collar 1.8	UF(II)IW 551807S	UF(II)IW 551808S	UF(II)IW 551810S	UF(II)IW 551811S	UF(II)IW 551813S
Collar 2.8	UF(II)IW 552807S	UF(II)IW 552808S	UF(II)IW 552810S	UF(II)IW 552811S	UF(II)IW 552813S

Fixture Mount

· When cold welding occurs, use Removing Driver to remove.
· Packing Unit : Fixture Mount + Abutment Screw (STN 2008)

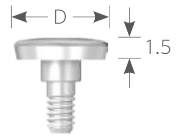


N Length **14** — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8	Ø6.0
	ITI **48014Y**	ITI **60014Y**

Cover Screw

· Uses 1.2 Hex Driver
· Tightening Torque : 5~8Ncm

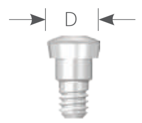


N Height **1.5** Hex **1.2** — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8	Ø6.0
Diameter	Ø5.5	Ø6.5
	AHI **48601H**	AHI **60651H**

Closing Screw

▸ Used for narrow area after the surgery or to protect implant connection area.
· Uses 1.2 Hex Driver
· Tightening Torque : 5~8Ncm

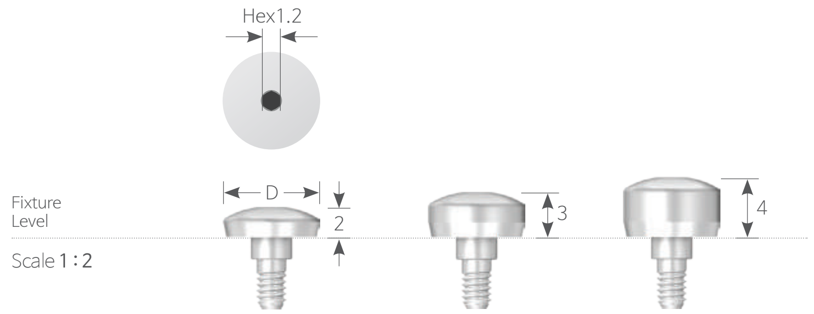


N Hex **1.2** — Unit mm I Scale 1 : 2

Diameter	Ø3.5
	CHI **4800NH**

Healing Abutment

· Uses 1.2 Hex Driver
· Uses 0.5 Slot Driver
· Tightening Torque : 5~8Ncm



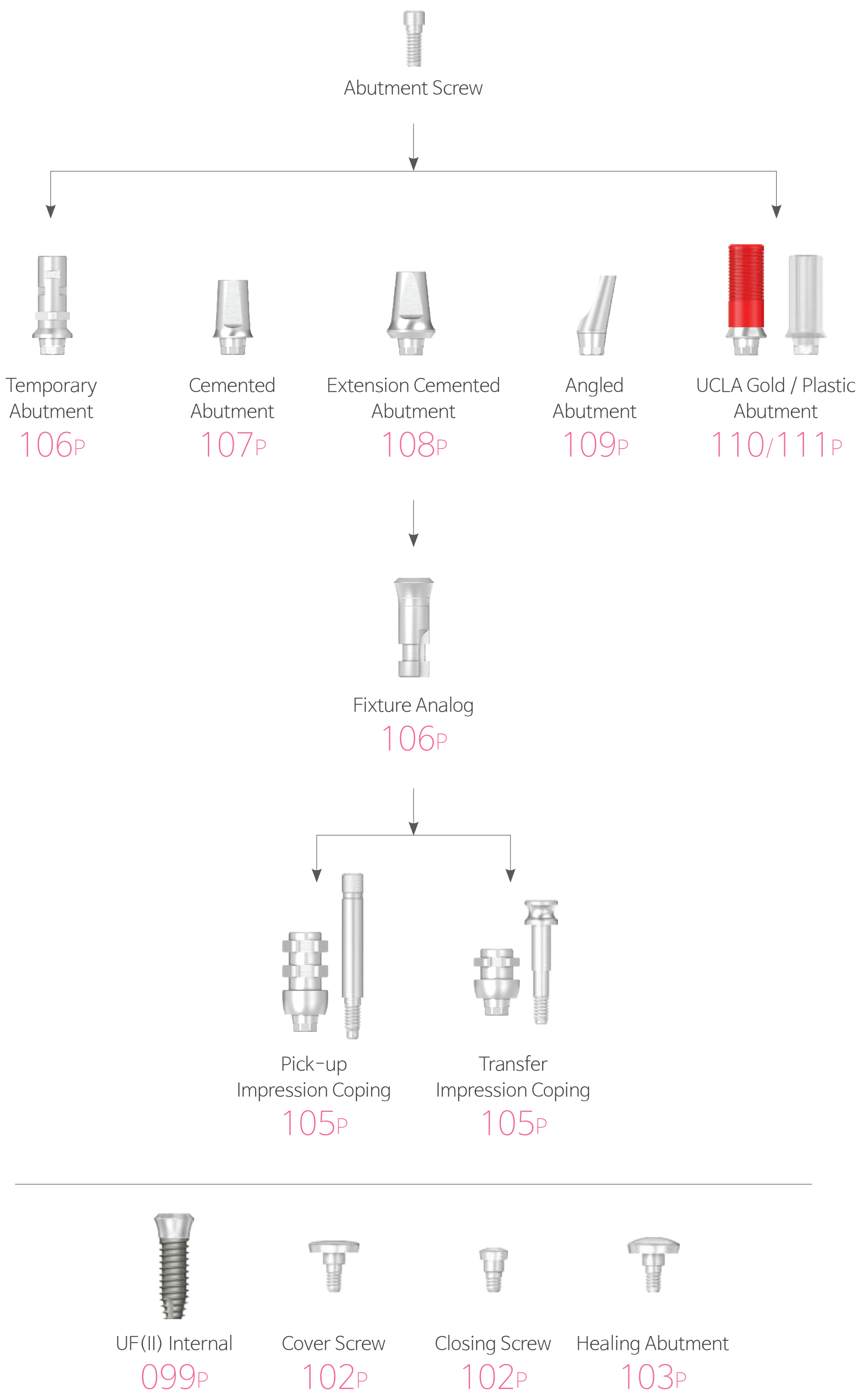
N Hex **1.2** — Unit mm I Scale 1 : 1.25

Fixture Platform	Ø4.8	Ø6.0
Diameter	Ø5.5	Ø6.5

Height 2	AHI **48602H**	AHI **60652H**
3	AHI **48603H**	AHI **60653H**
4	AHI **48604H**	AHI **60654H**

Cement / Screw – Retained Restorations

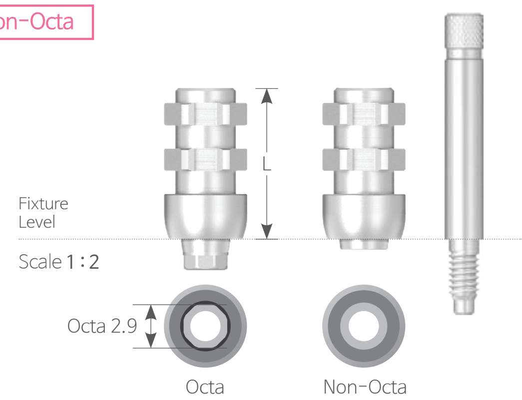
Temporary / Cemented (Extension) / Angled / UCLA Abutment



Abutment Components

Pick-up Impression Coping Octa Non-Octa

· Custom tray is used for pick-up type of impression taking
· Uses 1.2 Hex Driver
· Packing Unit : Pick-up Impression Coping + Guide Pin

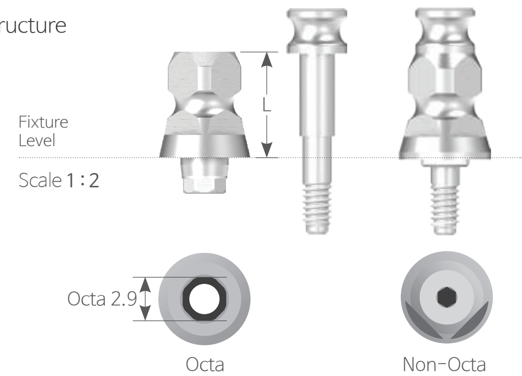


N Unit mm

Fixture Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
Length 6	IPI **48008Y**	IPI **48008N**	IPI **60008Y**	IPI **60008N**
10	IPI **48012Y**	IPI **48008N**	IPI **60012Y**	IPI **60012N**
Guide Pin	PMN **40310**	PMN **40310**	PMN **40315**	PMN **40315**

Transfer Impression Coping Octa Non-Octa

· Ready-made tray is used for transfer type of impression taking.
· Circular triangle structure increases quality
· Octa type is two-piece structure, Non-Octa type is One-piece structure
· Uses 1.2 Hex Driver
· Packing Unit :
Transfer Impression Coping + Coping Screw (IPI 48010S)
Transfer Impression Coping (Non-Octa Type)



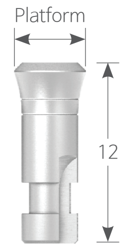
N Length **15** Unit mm

Fixture Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
	ITI **48010Y**	ITI **48010N**	ITI **60010Y**	ITI **60010N**

Abutment Components

Fixture Analog

▸ Providing anchor point for fabricating implant prosthetics on working model.



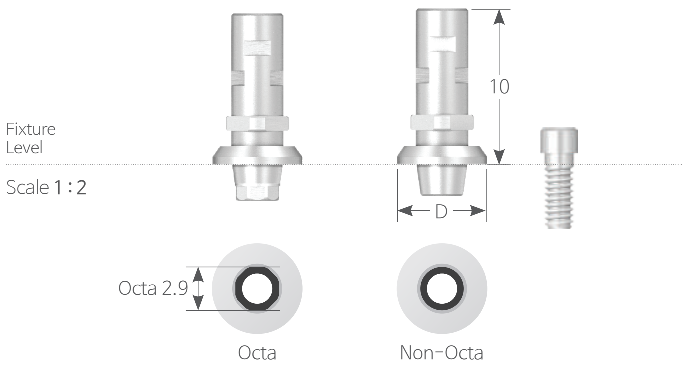
N Length 12 — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8	Ø6.0
Type	Octa	
	RMI **48012Y**	RMI **60012Y**

Temporary Abutment Octa Non-Octa

▸ Used when temporary prosthesis is made

- A protruding part and undercut make higher fixation forces with acrylic material
- Temporary restoration can be worked in the patient's mouth (direct method) or on a work model (indirect method).
- Octa / Non-Octa Type
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (STN 2008H)
- Tightening Torque : 35Ncm



N Length 10 — Unit mm I Scale 1 : 1.25

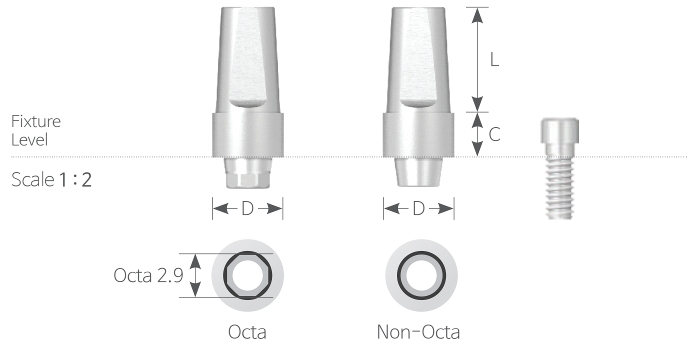
Fixture Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
				
	ITA **48010Y [H]**	ITA **48010N [H]**	ITA **60010Y [H]**	ITA **60010N [H]**

Cemented Abutment Octa Non-Octa

Cemented Abutment

▸ For cement retained prosthesis

- Octa / Non-Octa Type
- To prevent rotation of prosthesis it has a section
- If cold welding occurred with platform Ø6.0, use Removing Driver to remove.
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (STN 2008H)
- Tightening Torque : 35Ncm



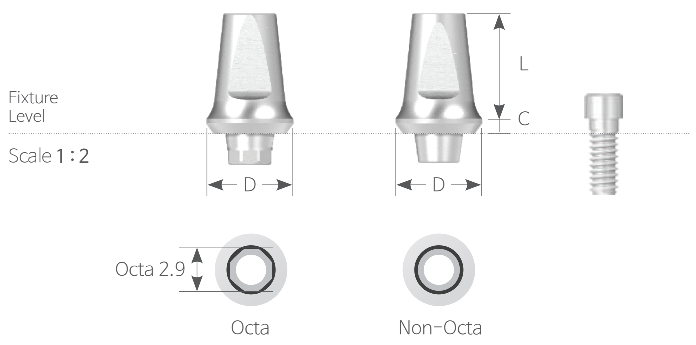
N — Unit mm I Scale 1 : 1.25

Fixture Platform		Ø4.8		Ø6.0	
Diameter		Ø4.8		Ø5.3	
Type		Octa	Non-Octa	Octa	Non-Octa
					
Cuff 0	Length 4	–	–	AMI **60004Y [H]**	AMI **60004N [H]**
	5	–	–	AMI **60005Y [H]**	AMI **60005N [H]**
	7	AMI **48007Y [H]**	AMI **48007N [H]**	–	–
Cuff 1	Length 7	AMI **48017Y [H]**	AMI **48017N [H]**	–	–
2	7	AMI **48027Y [H]**	AMI **48027N [H]**	–	–
3	7	AMI **48037Y [H]**	AMI **48037N [H]**	–	–

Cemented Abutment Octa Non-Octa

Extension Cemented Abutment

▸Used to modify path or shape of the abutment
- Used for when customization in abutment path and prosthetic design are needed
- Depending on the connection, categorized as Octa/Non-Octa
- To prevent rotation of prosthesis it has a at side
- Octa / Non-Octa Type
- If cold welding occurred with platform Ø6.0, use Removing Driver to remove.
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (STN 2008H)
- Tightening Torque : 35Ncm

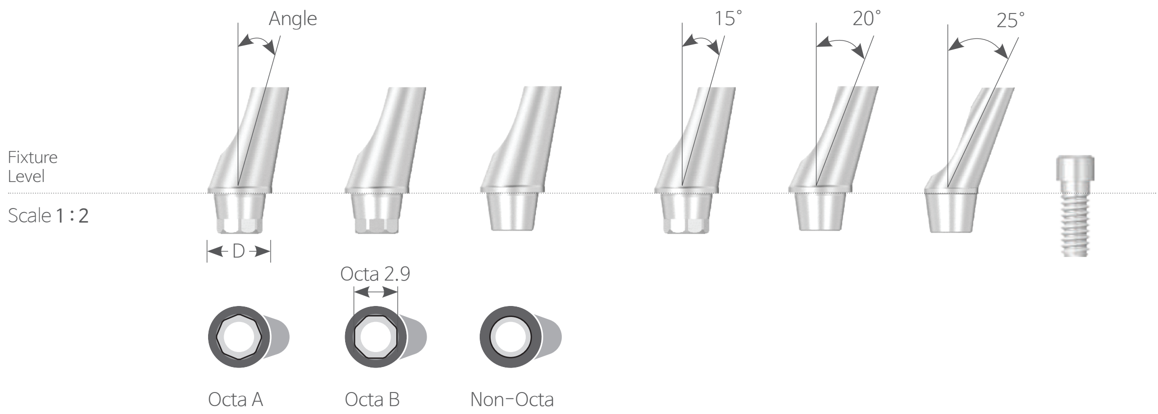


N Length 7 Unit mm I Scale 1 : 1.25

Platform	Ø4.8				Ø6.0	
Diameter	Ø5.0		Ø5.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa	Octa	Non-Octa
Cuff 0	AEI 48007Y [H]	AEI 48007N [H]	–	–	–	–
1	–	–	AEI 48017Y [H]	AEI 48017N [H]	AEI 60017Y [H]	AEI 60017N [H]
2	–	–	AEI 48027Y [H]	AEI 48027N [H]	–	–
3	–	–	AEI 48037Y [H]	AEI 48037N [H]	AEI 60037Y [H]	AEI 60037N [H]

Angled Abutment Octa Non-Octa

▸Used to modify the path of the fixture. It is mainly used for anterior teeth.
- For cement retained abutment
- Depending on the angle slope, it is categorized into 15˚and 25˚/20˚ Angled Abutment.
- Availability of A type and B type of octa part overcomes the limitation of direction of the abutment
- Uses 1.2 Hex Driver
- Packing Unit : Abutment + Abutment Screw (STN 2008H)
- Tightening Torque : 35Ncm



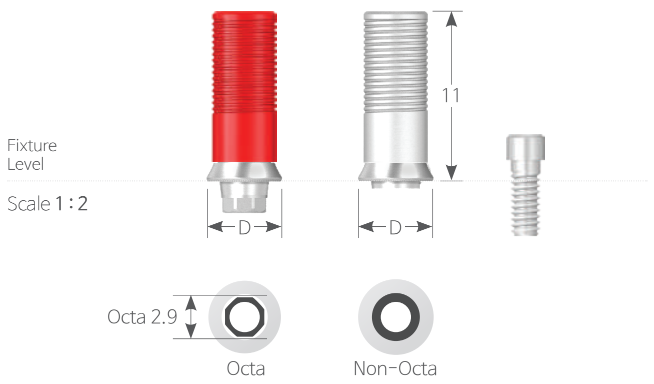
N Unit mm I Scale 1 : 1.25

Platform	Ø4.8			Ø6.0		
Diameter	Ø3.5			Ø4.3		
Type	Octa A	Octa B	Non-Octa	Octa A	Octa B	Non-Octa
Angle 15˚	AAI 35015YA [H]	AAI 35015YB [H]	AAI 35015 [H]	AAI 43015YA [H]	AAI 43015YB [H]	AAI 43015 [H]
20˚	–	–	–	AAI 43020YA [H]	AAI 43020YB [H]	AAI 43020 [H]
25˚	AAI 35025YA [H]	AAI 35025YB [H]	AAI 35025 [H]	–	–	–

UCLA Abutment

UCLA Gold Abutment Octa Non-Octa

▸ Can be used when there is limitation on path, esthetics, space etc.
· For screw retained prosthesis
· Directly casted on abutment to make inner part of prosthesis
Customized abutment can be made which can be applied to variety of cases.
Strong enough for cases requiring difficult angle modification.
· After the customization, **dental gold alloy will be casted only**.
· Melting range on cylinder area : 1400~1450℃
(**Do not use with non-precious metal alloy**)
· Octa/Non-Octa type
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (STN 2008H)
· Tightening Torque : 35Ncm

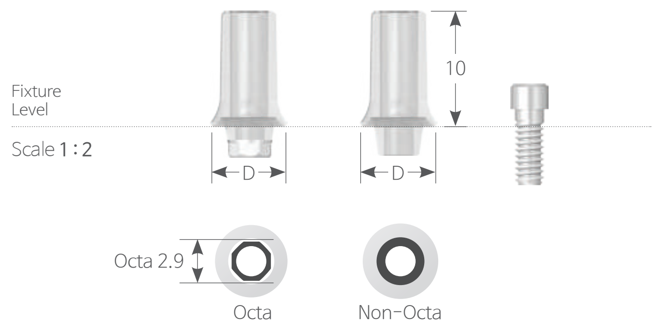


N Length **11** Unit mm

Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
	AIG **4850Y [H]**	AIG **4850N [H]**	AIG **6061Y [H]**	AIG **6061N [H]**
	●	○	●	○

UCLA Plastic(Cast) Abutment Octa Non-Octa

· Less accuracy on connecting part compared to UCLA Gold Abutment.
· After the customization, **non-precious metal alloy will be casted only**.
· Be careful about fracture if deleted
· Octa / Non-Octa type
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (STN 2008H)
· Tightening Torque : Tightening smoothly before casting, 35Ncm after casting

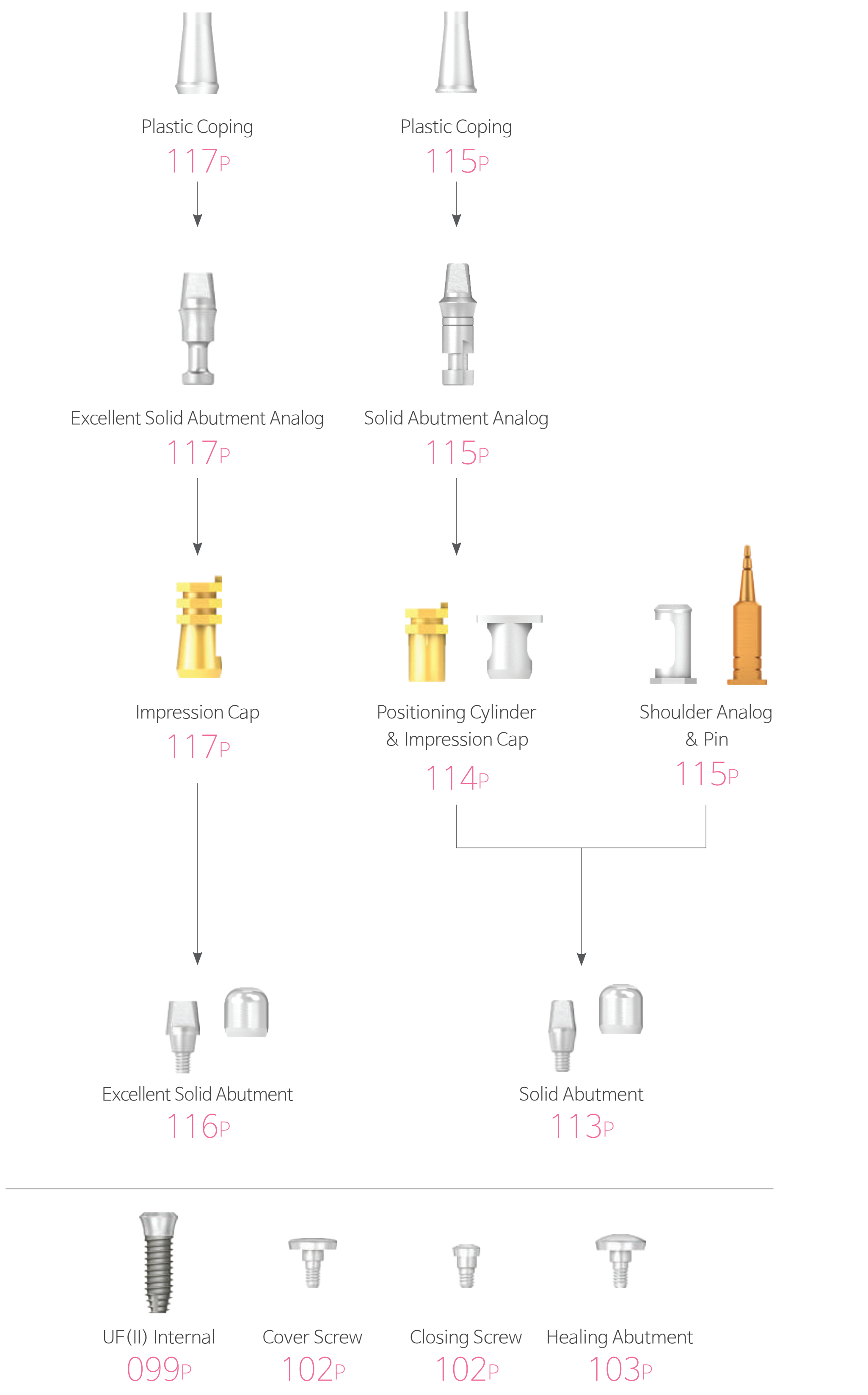


N Length **10** Unit mm

Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
	CAI **4812Y [H]**	CAI **4812N [H]**	CAI **6012Y [H]**	CAI **6012N [H]**

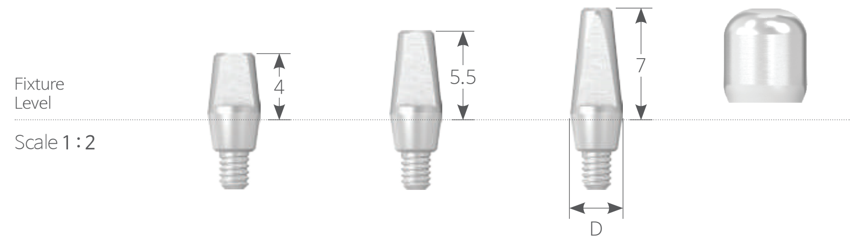
Cement – Retained Restorations

Solid / Excellent Solid Abutment



Solid Abutment

▸ Abutment of cement retained type that uses dental cement to fix prosthesis in place
· Abutment and screw are in one-piece structure.
· Uses Solid abutment driver
· Packing Unit : Abutment + Protect Cap
· Tightening Torque : 35Ncm



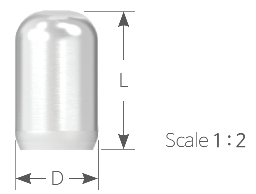
N

Unit mm

Fixture Platform	Ø4.8	Ø6.0
Diameter	Ø3.5	Ø4.3
Length 4	AMI 48354	AMI 60434
5.5	AMI 48355	AMI 60435
7	AMI 48357	AMI 60437

Protect Cap

▸ Used to protect abutment in the patient's mouth and minimize the discomfort for the patient.
· Can be applied to substructure of temporary prosthesis.
· Convenient locking mechanism.



N

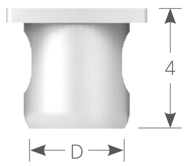
Unit mm

Fixture Platform	Ø4.8	Ø6.0
Diameter	Ø5.5	Ø7.0
Length 4	HMI 48554	HMI 60704
5.5	HMI 48555	HMI 60705
7	HMI 48557	HMI 60707

Solid Abutment Components

Impression Cap

▸ Used for taking impression of Solid abutment.
· Different coloring provides easy identification for abutment diameter.
· Should be connected with Positioning Cylinder
· Convenient locking mechanism.



N Length 4 — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8	Ø6.0
Diameter	Ø5.7	Ø7.0
	IPI 48001	IPI 60001

Positioning Cylinder

▸ Used for taking impression of Solid abutment.
▸ Used by connecting a positioning cylinder to the solid abutment
· Convenient locking mechanism.

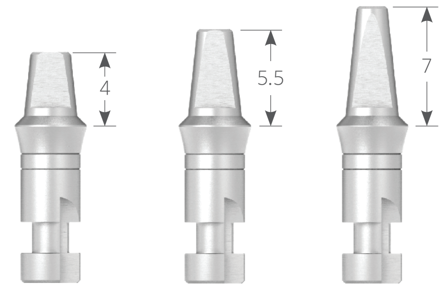
Connected Impression Cap

N — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8	Ø6.5
Abutment Length 4	IPI 48002Y	IPI 65002Y
5.5	IPI 48002G	IPI 65002G
7	IPI 48002B	IPI 65002B

Solid Abutment Analog

· Solid Abutment is formed on working model.

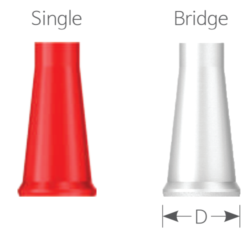


N — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8	Ø6.0
Length 4	RMI 48004N	RMI 60004N
5.5	RMI 48005N	RMI 60005N
7	RMI 48007N	RMI 60007N

Plastic Coping

▸ Can be used as prosthesis' frame work by installing Solid fixture analog.
· Different coloring provides easy identification on types of case.



N — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8		Ø6.0	
Diameter	Ø4.8		Ø6.1	
Type	Octa	Non-Octa	Octa	Non-Octa
	IPI 48004	IPI 48004N	IPI 60004	IPI 60004N
	● Single	○ Bridge	● Single	○ Bridge

Shoulder Analog & Pin

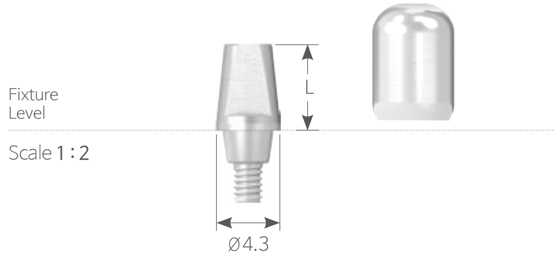
▸ Impression component for modifying the Solid Abutment
· Fixture platform can be formed on a working model
· Pin should be connected with a Shoulder Analog to protect the working model

N — Unit mm I Scale 1 : 1.25

Fixture Platform	Ø4.8	Ø6.0
	RMI 48001	RMI 60001

Excellent Solid Abutment

▸ Abutment of cement retained type that uses dental cement to fix prosthesis in place
· Abutment and screw are in one-piece structure.
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Protect Cap
· Tightening Torque : 35Ncm



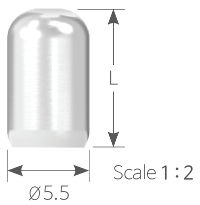
N D Ø4.3 — Unit mm | Scale 1 : 1.25

Fixture Platform	Ø4.8		
Length	4	5.5	7

AMI 48434EX | AMI 48435EX | AMI 48437EX

Protect Cap

▸ Used to protect abutment in the patient's mouth and minimize the discomfort for the patient.
· Can be applied to substructure of temporary prosthesis.
· Convenient locking mechanism.



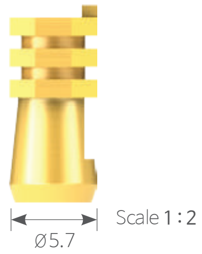
N D Ø5.5 — Unit mm

Fixture Platform	Ø4.8		
Length	4	5.5	7
	HMI 48554EX	HMI 48555EX	HMI 48557EX

Excellent Solid Abutment Components

Impression Cap

▸ Used to take impression of an excellent solid abutment
▸ Used by connecting a positioning cylinder to the excellent solid abutment
· Convenient locking mechanism.



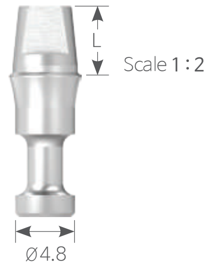
N D Ø5.7 — Unit mm | Scale 1 : 1.25

Fixture Platform	Ø4.8		
Abutment Length	4	5.5	7

IPI 48002YEX | IPI 48002GEX | IPI 48002BEX

Excellent Solid Abutment Analog

▸ Excellent Solid Abutment is formed on a working model.

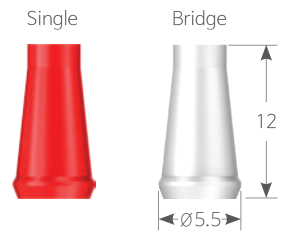


N D Ø4.8 — Unit mm

Fixture Platform	Ø4.8		
Abutment Length	4	5.5	7
	RMI 48004EX	RMI 48005EX	RMI 48007EX

Plastic Coping

▸ Can be used as prosthesis' frame work by installing an Excellent Solid Abutment Analog
· Different coloring provides easy identification on types of case.

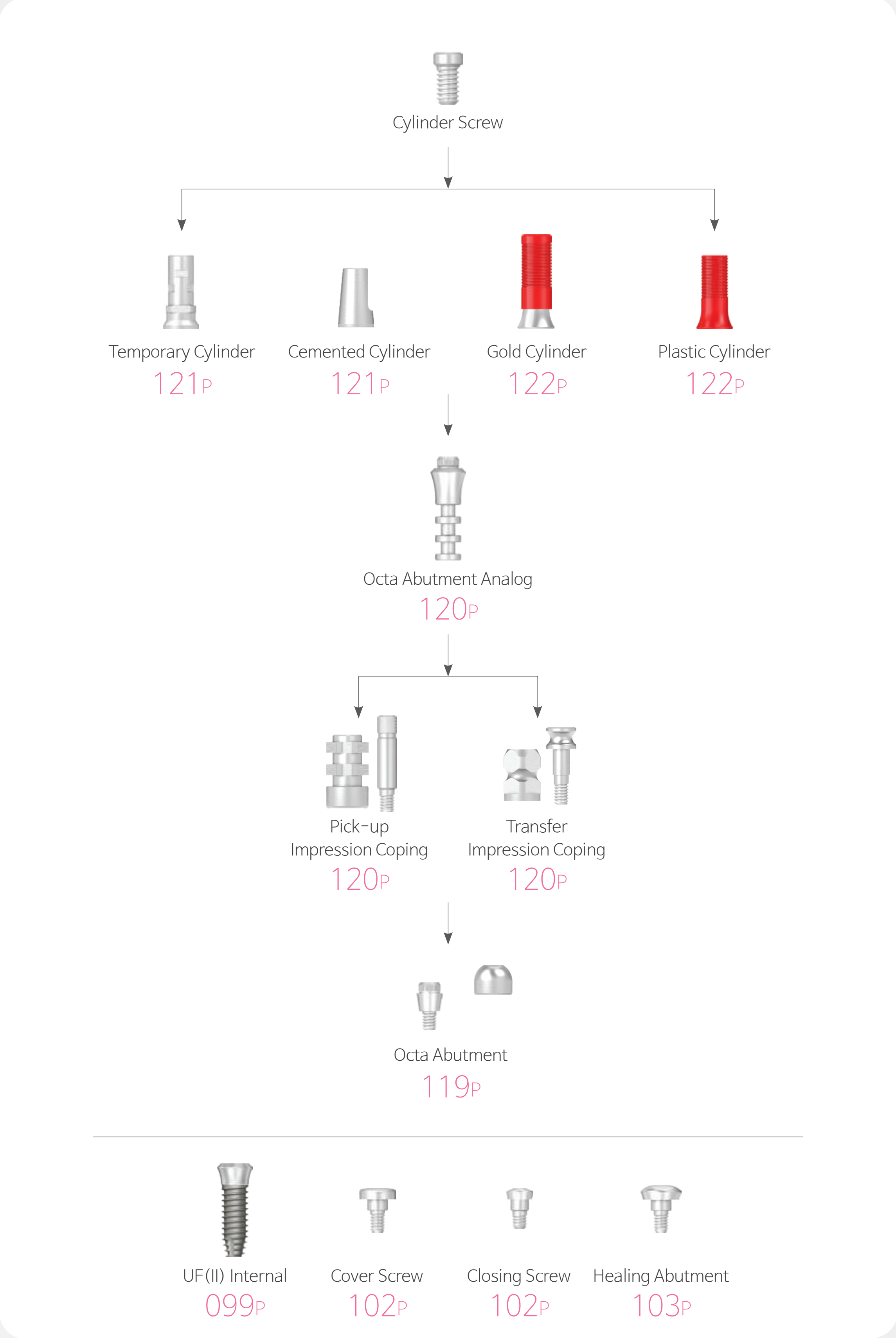


N D Ø5.5 Length 12 — Unit mm | Scale 1 : 2

Fixture Platform	Ø4.8	
Type	● Single	○ Bridge
	IPI 48004EX	IPI 48004NEX

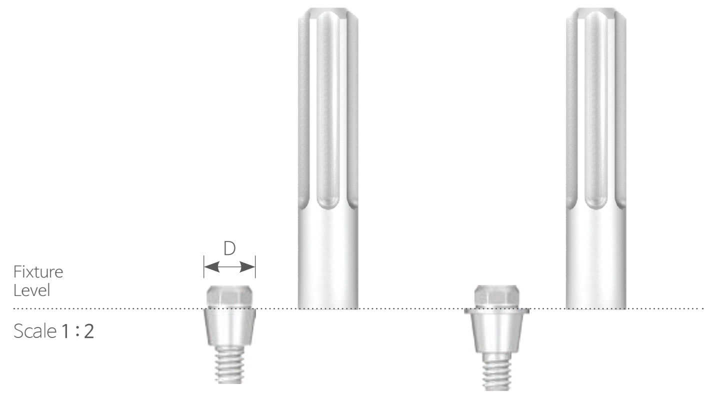
Screw - Retained Restorations

Octa Abutment



Octa Abutment

▸ Used to make screw-maintaining prosthesis in a bridge case with dislocated path
- Designed to switch the internal connection fixture to external connection type and use a cylinder on top as prosthesis
- Uses Octa Abutment Driver
- Packing Unit : Abutment + Holder (Convenient to install in patient's mouth.)
- Tightening Torque : 35Ncm



N Unit mm | Scale 1 : 1.25

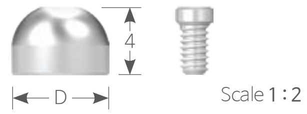
Fixture Platform	Ø4.8	Ø6.0
Diameter	Ø3.5	Ø4.3

ACI **48302**

ACI **65302**

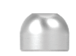
Healing Cap

▸ Used to protect Octa abutment in the patient's mouth and minimize the discomfort for the patient.
- Uses 1.2 Hex Driver
- Packing Unit : Healing Cap + Cylinder Screw (STI 2004H)
- Tightening Torque : 20Ncm



N Length 4 Unit mm | Scale 1 : 1.25

Fixture Platform	Ø4.8	Ø6.0

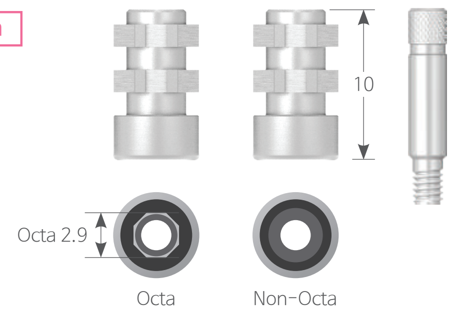


HCI **48504 [H]**

HCI **60704 [H]**

Pick-up Impression Coping Octa Non-Octa

▸Custom tray is used for pick-up type of impression taking.
· Uses 1.2 Hex Driver
· Packing Unit : Pick-up Impression Coping + Guide Pin (POI 2610)

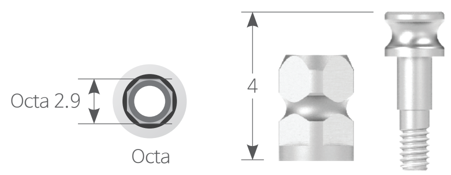


N Length 10 — Unit mm | Scale 1 : 2

Fixture Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
	IPI 48610	IPI 48610N	IPI 60710	IPI 60710N

Transfer Impression Coping

▸Ready-made tray is used for transfer type of impression taking.
· Double sided structure which elevates the quality
· Octa type is two-piece structure,
Non-Octa type is One-piece structure
· Uses 1.2 Hex Driver
· Packing Unit : Transfer Impression Coping + Guide Pin (IOTI 48010S)



N Length 4 — Unit mm | Scale 1 : 2

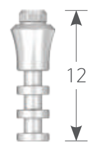
Fixture Platform	Ø4.8	Ø6.0
	IOTI 48010	IOTI 60010

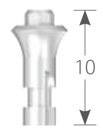
Octa Abutment Analog

▸Octa Abutment is formed on working model.

N — Unit mm | Scale 1 : 1.25

Fixture Platform	Ø4.8	Ø6.0
	RCI 48014	RCI 60014

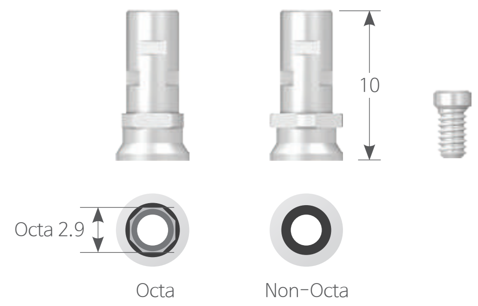




Octa Abutment Components

Temporary Cylinder Octa Non-Octa

· Octa type is two-piece structure, Non-Octa type is One-piece structure
· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm

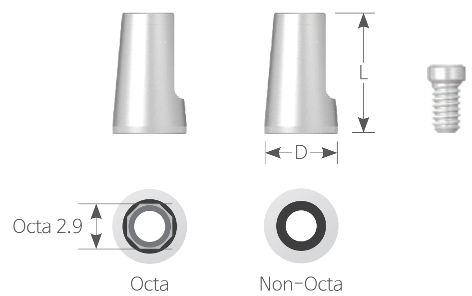


N Length 10 — Unit mm | Scale 1 : 2

Fixture Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
	ITC 48010 [H]	ITC 48010N [H]	ITC 60010 [H]	ITC 60010N [H]

Cemented Cylinder Octa Non-Octa

· Screw / Cement-Retained Cyllinder
· Octa / Non-Octa type
· Uses 1.2 Hex Driver
· Packing Unit : Cemented Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm



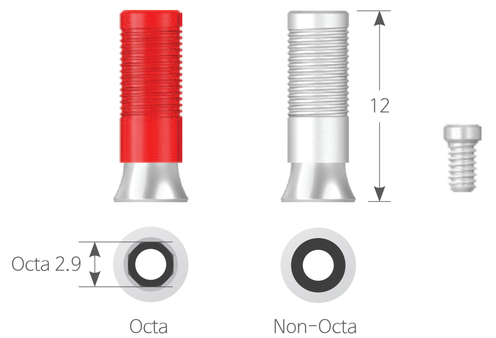
N — Unit mm | Scale 1 : 2

Fixture Platform	Ø4.8				Ø6.0	
Diameter	Ø5.0		Ø5.8		Ø6.4	
Type	Octa	Non-Octa	Octa	Non-Octa	Octa	Non-Octa
Length 8	ICC 48508 [H]	ICC 48508N [H]	ICC 48588 [H]	ICC 48588N [H]	-	-
9	-	-	-	-	ICC 60649 [H]	ICC 60649N [H]

Octa Abutment Components

Gold Cylinder Octa Non-Octa

· After the customization, **dental gold alloy will be casted only.**
· Cylinder fusion range: 1400˚C~1500˚C
(Do not use with non-precious metal alloy) · Uses 1.2 Hex Driver
· Packing Unit : Gold Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm

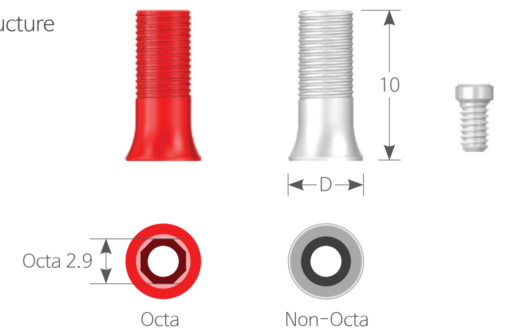


N Length **12** — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8		Ø6.0	
Type	Octa	Non-Octa	Octa	Non-Octa
	AGI **48504 [H]**	AGI **48504N [H]**	AGI **60004 [H]**	AGI **60004N [H]**
	●	○	●	○

Plastic Cylinder Octa Non-Octa

· After the customization, **non-precious metal alloy will be casted only.**
· Less accuracy on connecting part compared to Gold Cylinder.
· Octa type is two-piece structure, Non-Octa type is One-piece structure
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Cylinder Screw (STI 2004H)
· Tightening Torque : 20Ncm

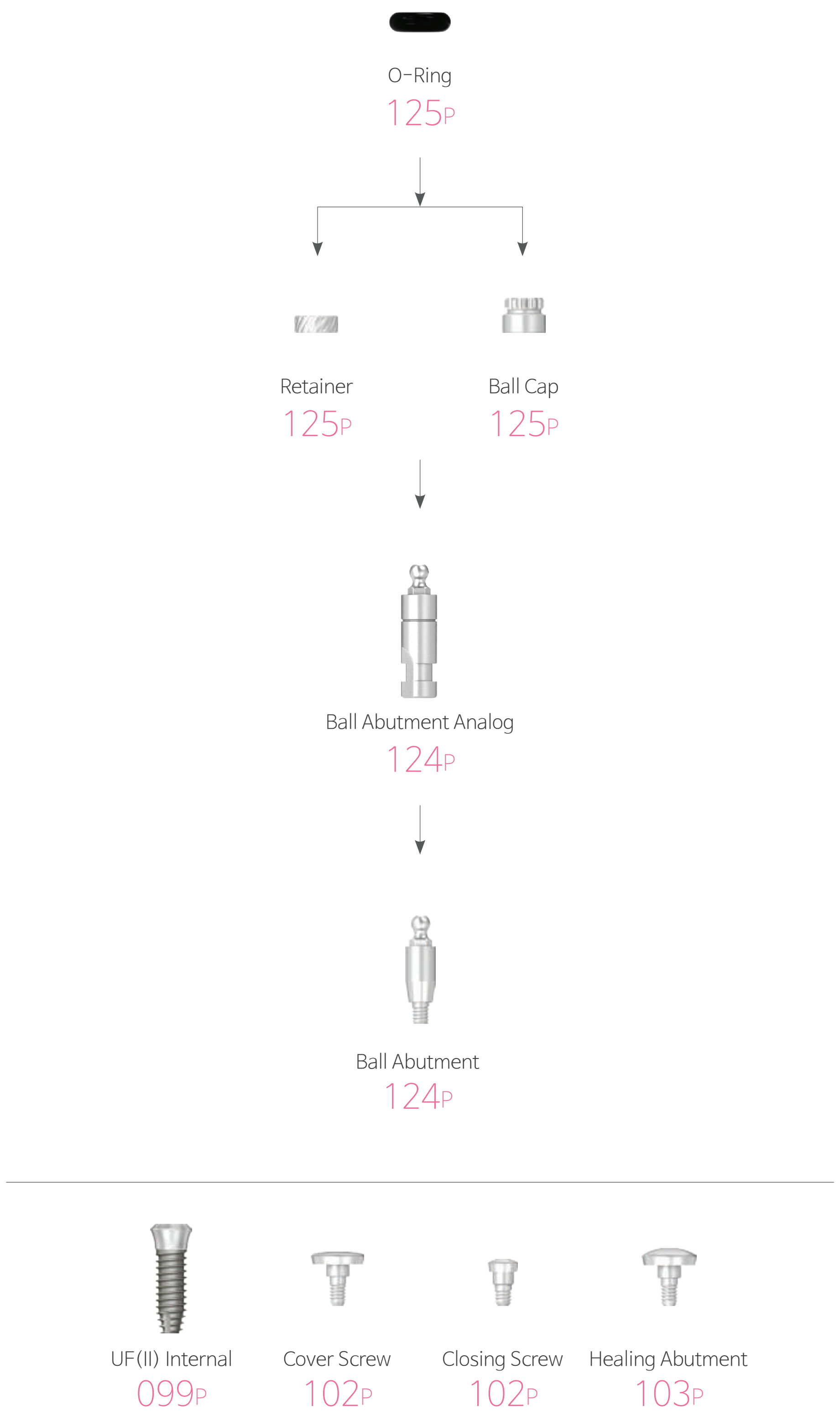


N Length **10** — Unit mm I Scale 1 : 2

Fixture Platform	Ø4.8		Ø6.0	
Diameter	Ø5.0		Ø6.3	
Type	Octa	Non-Octa	Octa	Non-Octa
	API **48514 [H]**	API **48514N [H]**	API **60714 [H]**	API **60714N [H]**
	●	○	●	○

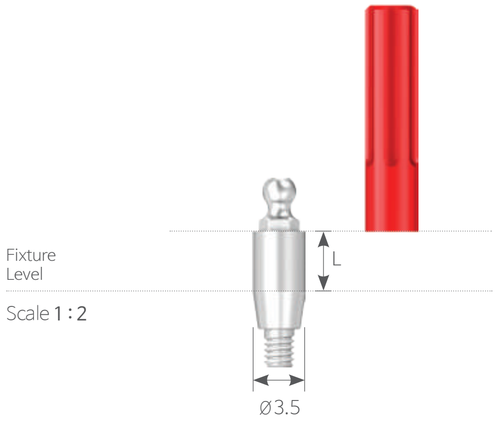
Overdenture – Retained Restorations

Ball Abutment



Ball Abutment

▸Used to create over-denture for edentulous patient.
▸Used when fixed type prosthesis is difficult due to severe bone or soft tissue loss.
· O-Ring : Dental Lab use(Black), Denture use(Orange)
· Retain the fixation force by changing O-Ring
· Path recovery to the maximum of 20˚
· Uses Ball Abutment Driver
· Packing Unit : Abutment + Holder (Holder installation : Convenient to install in patient's mouth) + O-Ring (Or 0450 O)
· Tightening Torque : 35Ncm

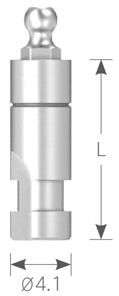


N **P Ø4.8 D Ø3.5** — Unit **mm** | Scale **1 : 1.25**

Fixture Platform	Ø4.8		
Length	0	2	4
			
	ABI **48350**	ABI **48352**	ABI **48354**

Ball Abutment Analog

▸Provides anchor point for ball abutment on working model.



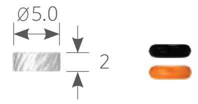
N Length **12** — Unit **mm** | Scale **1 : 2**

Fixture Platform	Ø4.8
Diameter	Ø4.1
	RBN **40412**

Ball Abutment Components

Retainer

· Advantageous when occlusal distance is low compare to Ball Cap.
· Packing Unit : Retainer + O-Ring (OR 0450 B / OR 0450 O)

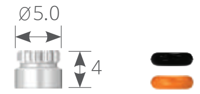


N **D Ø5.0** Length **2** — Unit **mm** | Scale **1 : 1.25**

Code	RT **0502**

Ball Cap

· Outstanding consistency and clip-on
· Packing Unit : Ball Cap + O-Ring (OR 0450 B / OR 0450 O)

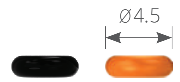


N **D Ø5.0** Length **4** — Unit **mm** | Scale **1 : 1.25**

Code	BC **5004**

O-Ring

· Black : For dental lab use
· Orange : For clinical use (Over 6Ncm)
· Packing Unit : O-Ring 1 Piece



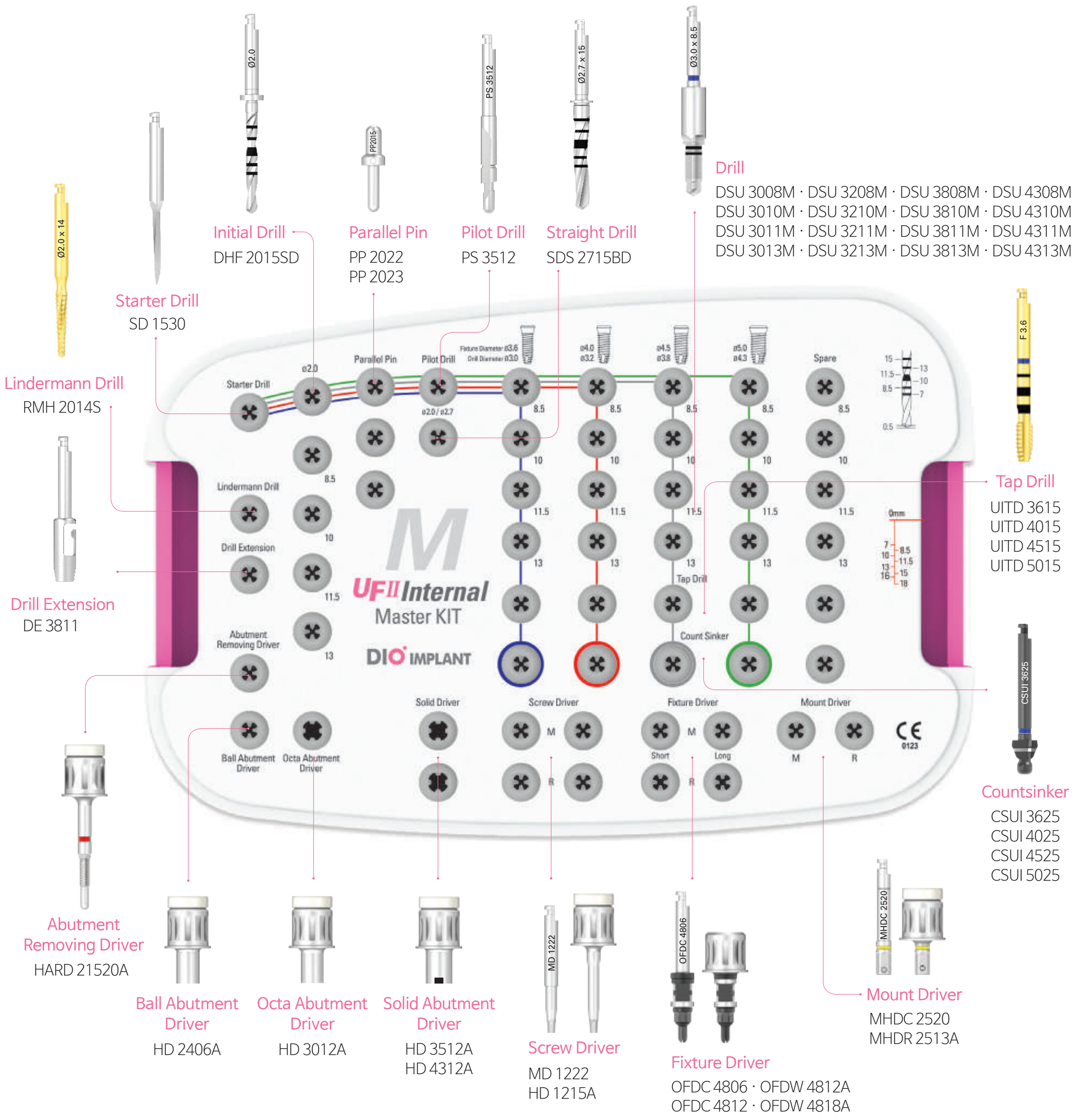
N — Unit **mm** | Scale **1 : 1.25**

Diameter	Ø4.5	
	OR **0450 B**	OR **0450 O**
Color	● Black	● Orange

UFⅡ Internal Master Kit
Kit Code | UF 12

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Internal Ø3.6 Ø4.0 Ø4.5 Ø5.0 Fixture

Unit mm | Drill Scale 1 : 0.9



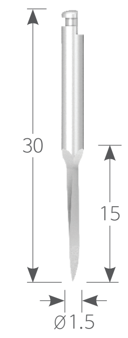
Torque Wrench
DTW 0060

Open Wrench
OW 004

Deapth Gauge
DPG 2050

Surgical Tool

Starter Drill

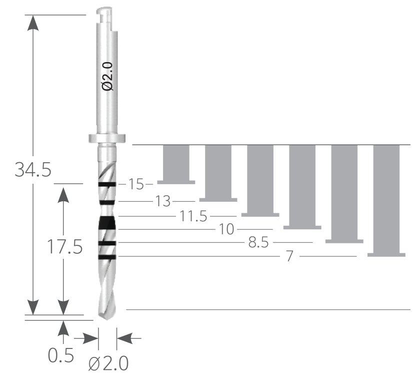


K D Ø1.5

Unit mm | Scale 1 : 1.2

Code	SD 1530

Initial Drill



K D Ø2.0

Unit mm | Scale 1 : 1.2

Code	DHF 2015SD

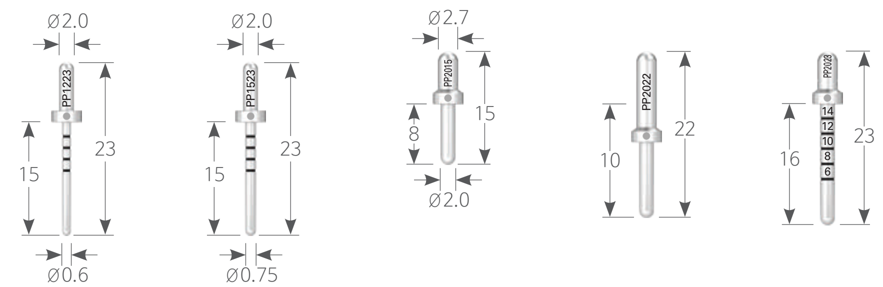
Parallel Pin

● Sold separately

K

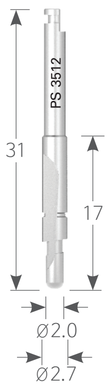
Unit mm | Scale 1 : 1

Code	PP 1223	PP 1523	PP 2015	PP 2022	PP 2023



Surgical Tool

Pilot Drill

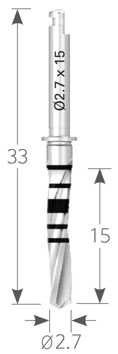


K **D Ø2.7**

Unit mm | Scale 1 : 1.2

Code	PS 3512

Straight Drill

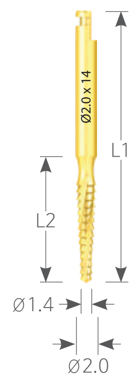


K **D Ø2.7**

Unit mm | Scale 1 : 1.2

Code	SDS 2715BD

Lindemann Drill

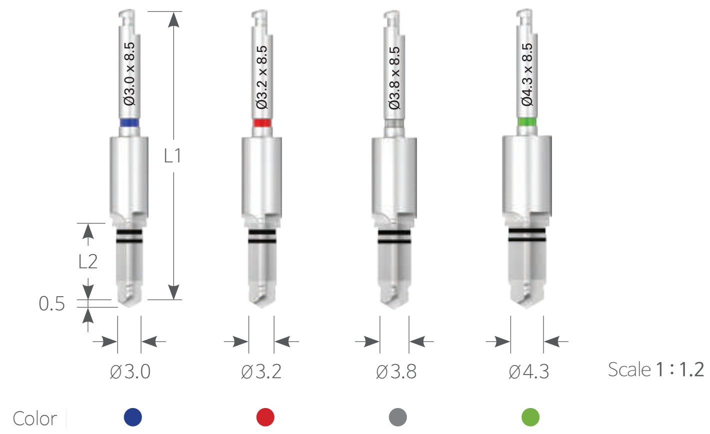


K **D Ø2.0**

Unit mm | Scale 1 : 1.2

Code	RMH 2014S

Drill



● Sold separately

K **D Ø3.0**

Unit mm | Scale 1 : 1

Code	DSU 3008D	DSU 3010D	DSU 3011D	DSU 3013D	DSU 3015D	DSU 3018D
Length	8	10	11	13	15	18

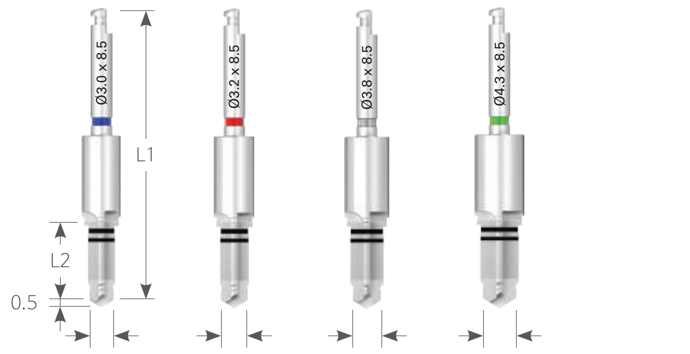
K **D Ø3.2**

Unit mm | Scale 1 : 1

Code	DSU 3208D	DSU 3210D	DSU 3211D	DSU 3213D	DSU 3215D	DSU 3218D
Length	8	10	11	13	15	18

Surgical Tool

Drill



Color

● Sold separately

K D Ø3.8

Unit mm I Scale 1 : 1

Code	DSU 3808D	DSU 3810D	DSU 3811D	DSU 3813D	DSU 3815D	DSU 3818D
Length	8	10	11	13	15	18

K D Ø4.3

Unit mm I Scale 1 : 1

Length	DSU 4308D	DSU 4310D	DSU 4311D	DSU 4313D	DSU 4315D	DSU 4318D
Length	8	10	11	13	15	18

Tap Drill

● Sold separately

K Length 15

Unit mm I Scale 1 : 1

Code	UITD 3615	UITD 4015	UITD 4515	UITD 5015	UITD 5515
	Ø3.6	Ø4.0	Ø4.5	Ø5.0	Ø5.5
Color					

Countsinker

● Sold separately

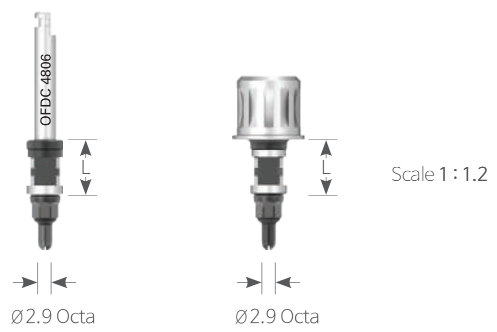
K Length 25

Unit mm I Scale 1 : 1

Code	CSUI 3625	CSUI 4025	CSUI 4525	CSUI 5025	CSUI 5525
	Ø3.6	Ø4.0	Ø4.5	Ø5.0	Ø5.5
Color					

Surgical Tool

Fixture Driver



● Sold separately

K Machine Octa **Ø2.9**

Unit mm I Scale 1 : 1

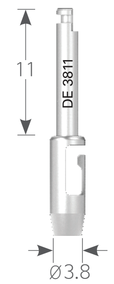
Code	OFDC 4806	OFDC 4812	OFDC 4818

K Ratchet Octa **Ø2.9**

Unit mm I Scale 1 : 1

Code	OFDW 4806A	OFDW 4812A	OFDW 4818A

Drill Extension

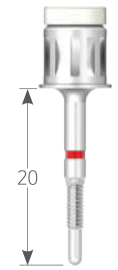


K D **Ø3.8**

Unit mm I Scale 1 : 1.2

Code	DE 3811

Removing Driver



K

Unit mm I Scale 1 : 1.2

Code	HARD 21520A

Surgical Tool

Screw Driver Machine

K Slot **0.5**

Unit mm I Scale 1 : 1

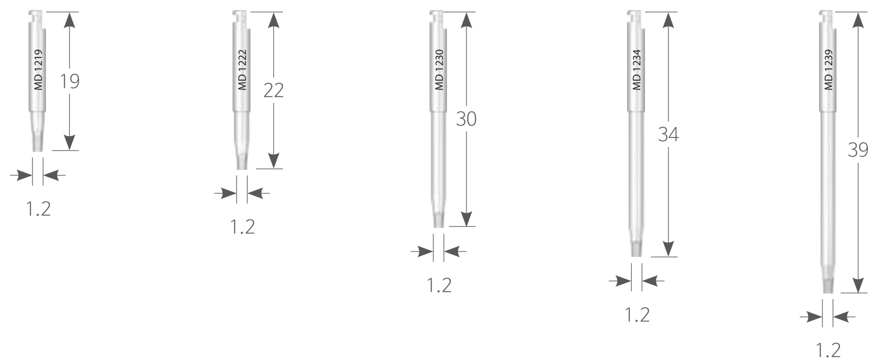
Code	MD 0522	MD 0530

K Hex **0.9**

Code	MD 0922	MD 0930

K Hex **1.2**

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239



K Torx **1.7**

Code	MD 1719	MD 1722	MD 1730

Screw Driver Ratchet

Sold separately

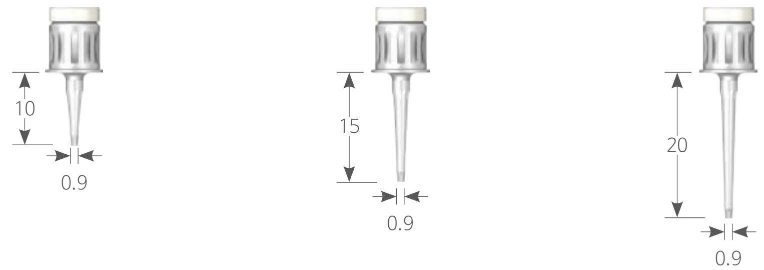
K Slot **0.5**

Unit mm I Scale 1 : 1

Code	HD 0510A	HD 0515A

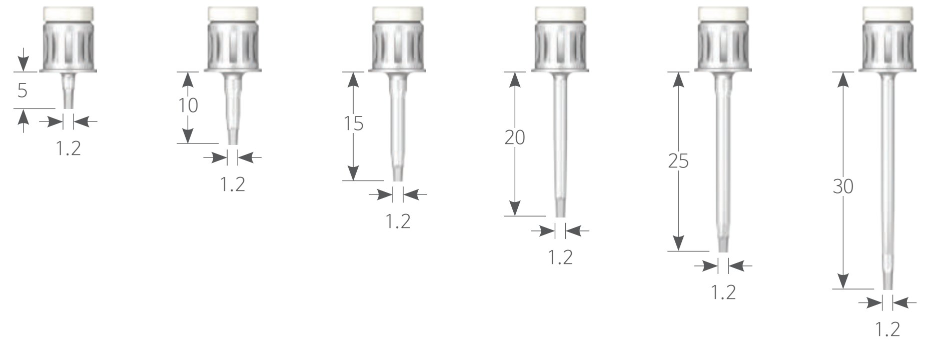
K Hex **0.9**

Code	HD 0910A	HD 0915A	HD 0920A



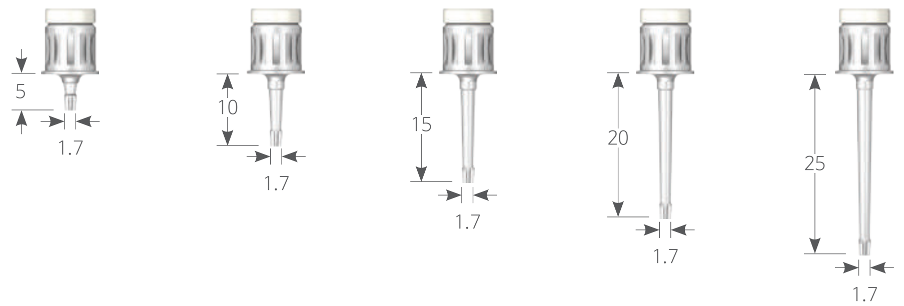
K Hex **1.2**

Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A



K Torx **1.7**

Code	HD 1705A	HD 1710A	HD 1715A	HD 1720A	HD 1725A



Surgical Tool

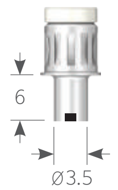
Solid Abutment Driver

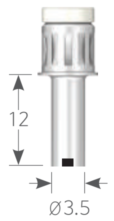
● Sold separately

K D Ø3.5

Unit mm I Scale 1 : 1

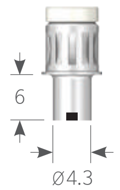
Code	HD 3506A	HD 3512A

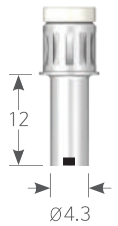




K D Ø4.3

Code	HD 4306A	HD 4312A



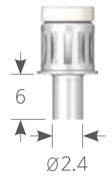


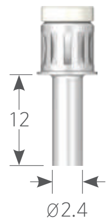
Ball Abutment Driver Ratchet

K D Ø2.4

Unit mm I Scale 1 : 1

Code	HD 2406A	HD 2412A



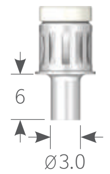


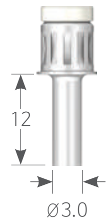
Octa Abutment Driver

K D Ø3.0

Unit mm I Scale 1 : 1

Code	HD 3006A	HD 3012A





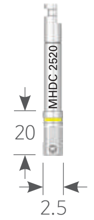
Fixture Mount Driver Machine

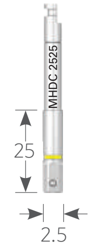
● Sold separately

K Hex 2.5

Unit mm I Scale 1 : 1

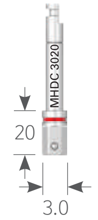
Code	MHDC 2520	MHDC 2525





K Hex 3.0

Code	MHDC 3020	MHDC 3025

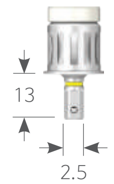


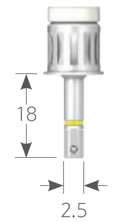
Fixture Mount Driver Ratchet

K Hex 2.5

Unit mm I Scale 1 : 1

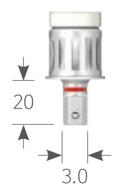
Code	MHDR 2513A	MHDR 2518A

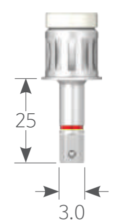




K Hex 3.0

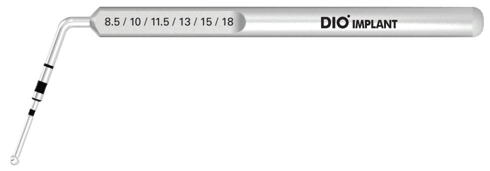
Code	MHDR 3013A	MHDR 3018A





Surgical Tool

Depth Gauge



K D Ø2.0

Unit mm I Scale 1 : 1

Code	DPG **2050**

Open Wrench

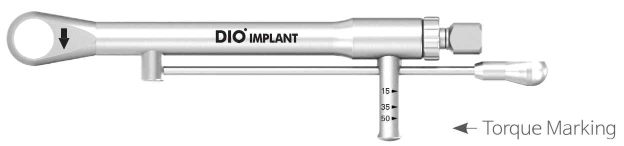
· Used for dislodging of mount in soft bone case
· 30˚ of neck angle for the easy use

K

Unit mm I Scale 1 : 1

Code	OW **004**

Torque Wrench

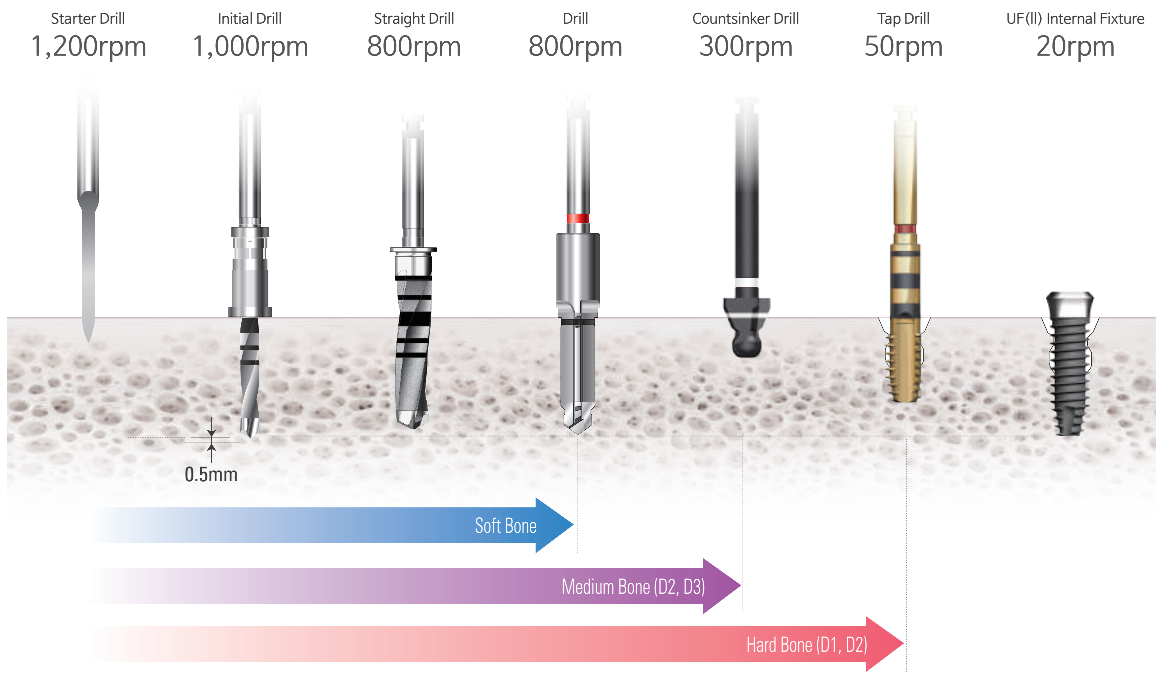


K

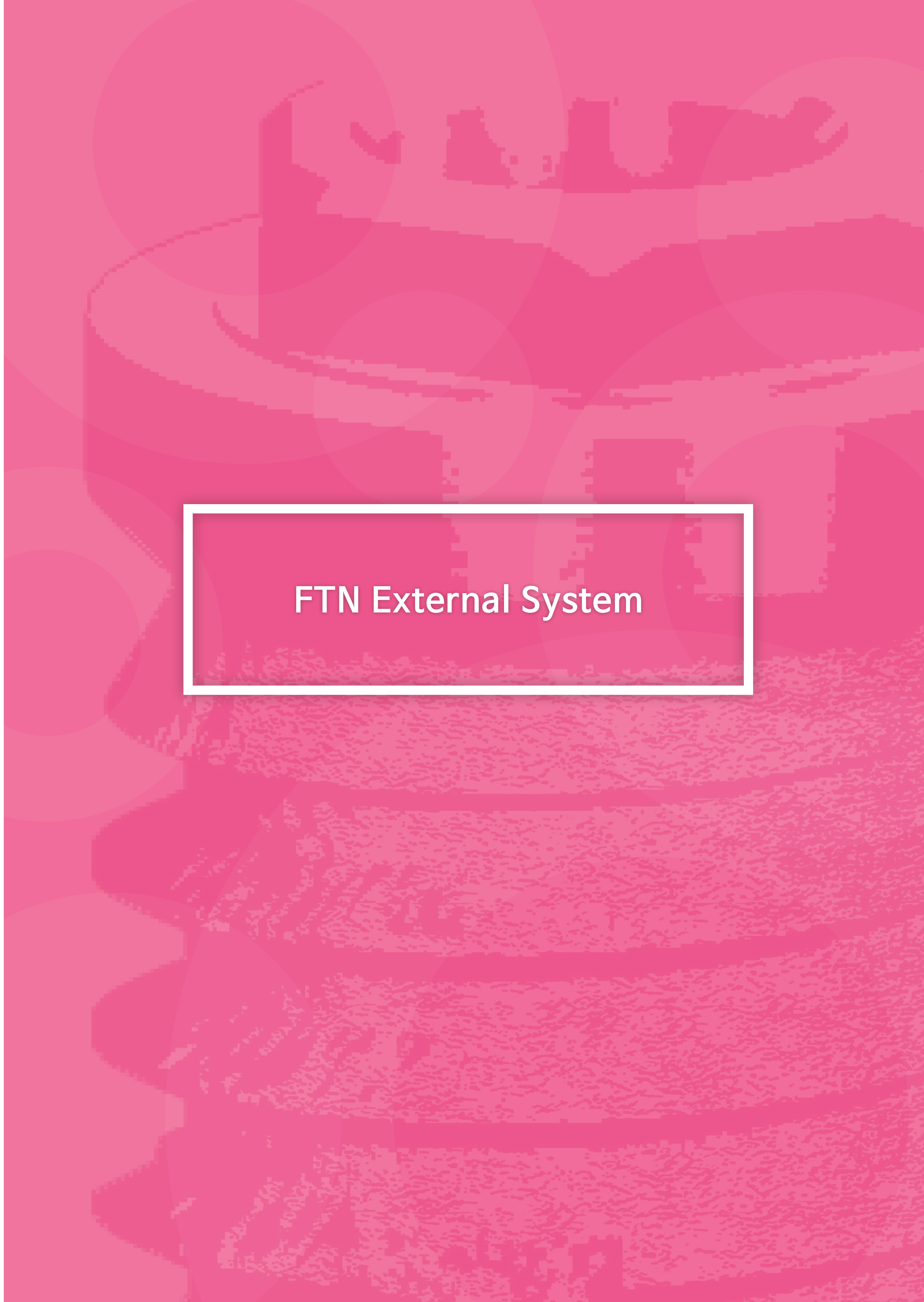
Unit mm I Scale 1 : 1

Code	DTW **0060**

Surgical Protocol



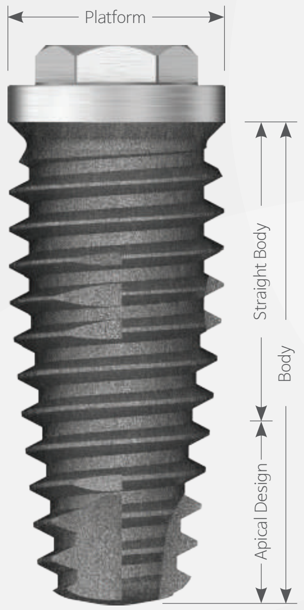
www.dioimplant.com



FTN External System

FTN External System

FTN



Compatibility of abutment
External hex connection that is compatible with Branemark System.

Root Type Body Design
Minimize possibility of damaging of nearby dental root and fenestration in labial bone. Implant can be placed immediately upon extraction of tooth because it has similar shape of root as natural dental root.

No-Mount System
A mount-free dental implants remove the burden of having to remove the mount during surgery and shorten time of surgery. ※ A separate fixture mount can be provided depending on the preference of the operator.

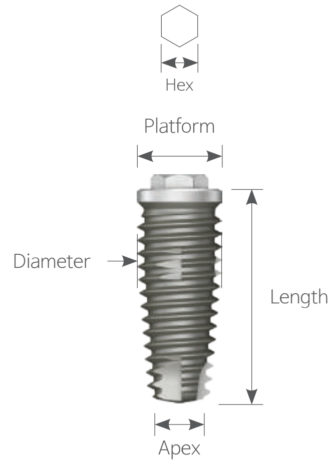
Rotation Stopper (Instrument)
A detachable rotating stopper is attached to the drill to maintain safe drilling depth and minimize damaging of the cortical bone when drilling.

FTN Fixture

FTN

Platform	Ø3.5	Ø4.1	Ø4.1	Ø5.1	Ø5.1	Ø5.0
Diameter	Ø3.3	Ø4.0	Ø4.5	Ø5.0	Ø5.5	Ø5.0
Hex	2.4	2.7	2.7	3.4	3.4	2.7
Length	8.5 · 10 · 11.5 · 13 · 15					

HSA



F Narrow P Ø3.5 D Ø3.3 Hex 2.4 — Unit mm I Scale 1 : 1.5

Length	8.5	10	11.5	13	15
	FTN 3308S	FTN 3310S	FTN 3311S	FTN 3313S	FTN 3315S

F Regular P Ø4.1 D Ø4.0 Hex 2.7 — Unit mm I Scale 1 : 1.5

Length	8.5	10	11.5	13	15
	FTN 4008S	FTN 4010S	FTN 4011S	FTN 4013S	FTN 4015S

F Regular P Ø4.1 D Ø4.5 Hex 2.7 — Unit mm I Scale 1 : 1.5

Length	8.5	10	11.5	13	15
	FTN 4508S	FTN 4510S	FTN 4511S	FTN 4513S	FTN 4515S

F Wide P Ø5.1 D Ø5.0 Hex 3.4 — Unit mm I Scale 1 : 1.5

Length	8.5	10	11.5	13	15
	FTN 5008S	FTN 5010S	FTN 5011S	FTN 5013S	FTN 5015S

FTN Fixture

F Wide P Ø5.1 D Ø5.5 Hex 3.4

Unit mm | Scale 1 : 1.5

Length	8.5	10	11.5	13	15

FTN 5508S	FTN 5510S	FTN 5511S	FTN 5513S	FTN 5515S

F T-Wide P Ø5.0 D Ø5.0 Hex 2.7

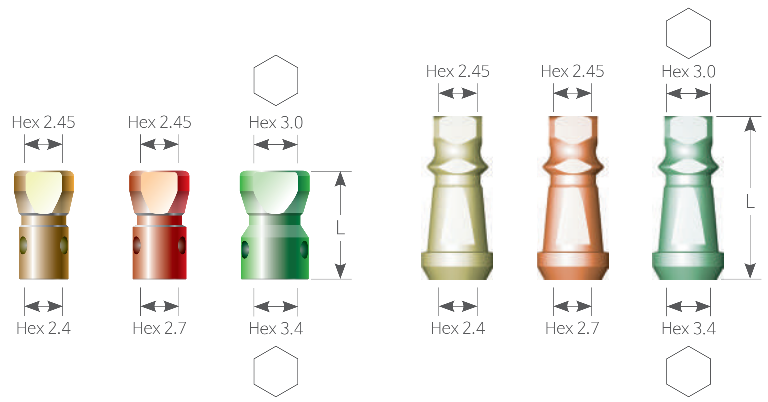
Unit mm | Scale 1 : 1.5

Length	8.5	10	11.5	13	15

FTT 5008S	FTT 5010S	FTT 5011S	FTT 5013S	FTT 5015S

Fixture Mount

· Mount to prevent internal abrasion on the connection area when a fixture places
· Mount is available to use as Transfer Impression Coping and Temporary Abutment



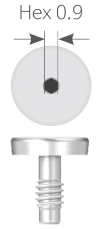
● Sold separately

F

Unit mm | Scale 1 : 2

Color	Yellow	Red	Green
Length 8	EMN 3508T (STN 1607)	EMR 4008T (STN 2007)	EMW 5008T (STN 2507)
12	EMN 35210 (STN 1608)	EMR 41210 (STN 2008)	EMW 51210 (STN 2508)
Fixture Mount Driver	MHDC 2520	MHDC 2520	MHDC 3020

Cover Screw



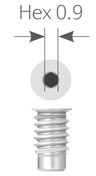
· Uses 0.9 Hex Driver
· Tightening Torque : 5~8Ncm

F Hex 0.9

Unit mm | Scale 1 : 2

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
	CHN 3501	CHN 3501	CHN 3501	CHT 5001

Headless



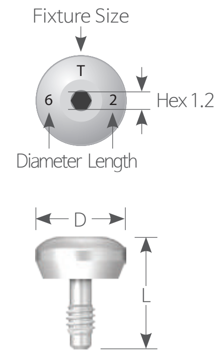
· Used if nearby space is limited or gingiva in the suture area is insufficient
· Uses 0.9 Hex Driver
· Used for both Regular and T-Wide
· Tightening Torque : 5~8Ncm

F Hex 0.9

Unit mm | Scale 1 : 2

Fixture Size	Narrow	Regular · T-Wide	Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.0
	CHN 3500N	CHN 4000N	CHN 5000N

Healing Abutment



· Uses 1.2 Hex Driver
· Tightening Torque : 5~8Ncm

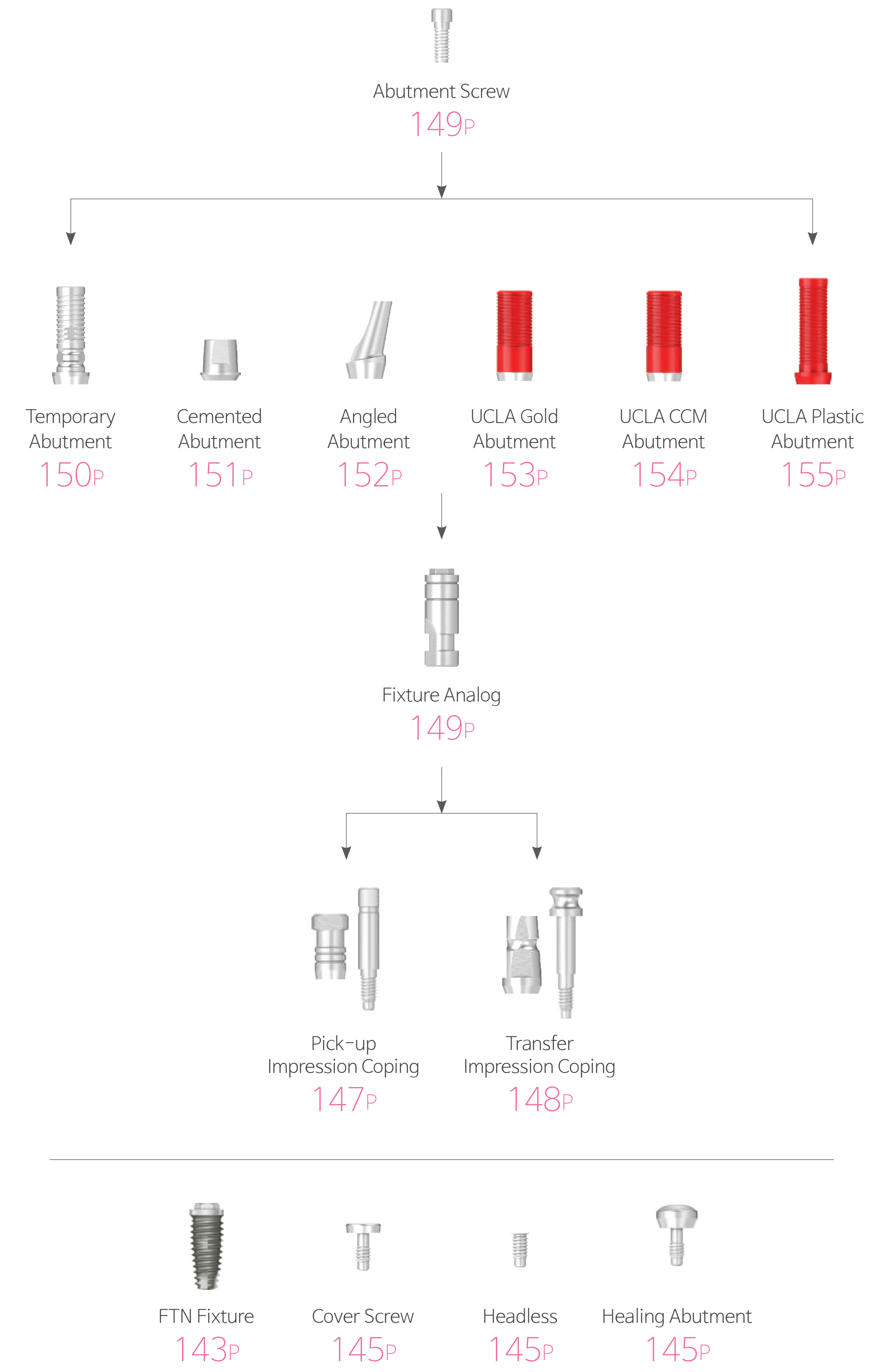
F Hex 1.2

Unit mm | Scale 1 : 2

Fix. Size	Narrow	Regular	Regular	Wide	Wide	T-Wide
Fix. Platform	Ø3.5	Ø4.1	Ø4.1	Ø5.1	Ø5.0	Ø6.0
Diameter	Ø4.0	Ø5.0	Ø6.0	Ø6.0	Ø6.0	Ø6.5
Length 2	AHN 35402	AHN 40502	AHN 40602	AHN 50602	AHT 50602	AHT 60702
3	AHN 35403	AHN 40503	AHN 40603	AHN 50603	AHT 50603	AHT 60703
4	AHN 35404	AHN 40504	AHN 40604	AHN 50604	AHT 50604	AHT 60704
5	AHN 35405	AHN 40505	AHN 40605	AHN 50605	AHT 50605	-
6	AHN 35406	AHN 40506	AHN 40606	AHN 50606	AHT 50606	-
8	AHN 35408	AHN 40508	AHN 40608	AHN 50608	AHT 50608	-

Screw-Retained Restorations

Cemented / Angled / UCLA Abutment

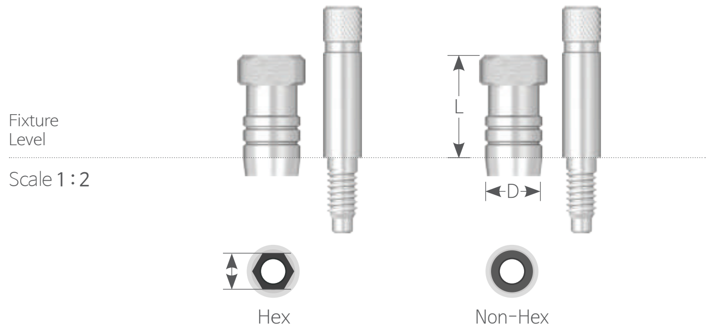


Abutment Components

Pick-up Impression Coping Hex Non-Hex

▸Custom tray is used for pick-up type of impression taking.

· Asymmetry structure to minimize close interruption
· Increased convenience by long and short composition
· Packing Unit : Pick-up Impression Coping + Guide Pin



F Length 8

Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø3.8	Ø4.8	Ø5.8	Ø5.8
Hex	2.4	2.7	3.4	2.7
Hex	IPN 3508	IPN 4008	IPN 5008	IPT 5008
Non-Hex	IPN 3508N	IPN 4008N	IPN 5008N	IPT 5008N
Guide Pin	PMN 35310	PMN 40310	PMN 50310	PMN 40310

F Length 12

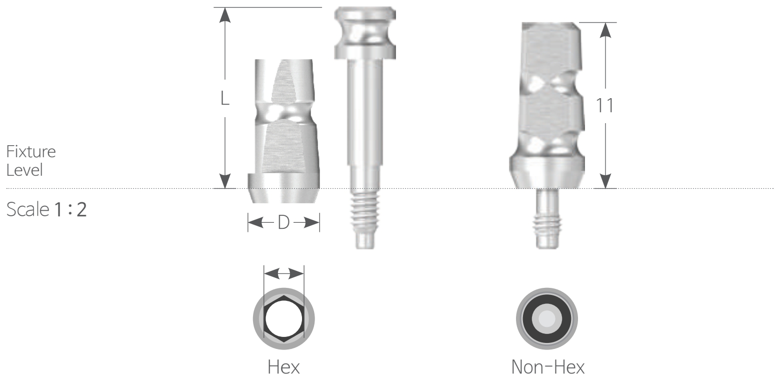
Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø3.8	Ø4.8	Ø5.8	Ø5.8
Hex	IPN 35412	IPN 40512	IPN 50612	IPT 50612
Non-Hex	IPN 35412N	IPN 40512N	IPN 50612N	IPT 50612N
Guide Pin	PMN 35315	PMN 40315	PMN 50315	PMN 40315

Abutment Components

Transfer Impression Coping Hex Non-Hex

▸Ready-made tray is used for transfer type of impression taking.
· Hex type is two-piece structure and Non-Hex type is one-piece structure.
· Uses 1.2 Hex Driver
· Packing Unit : Transfer Impression Coping + Coping Screw (Hex)
Transfer Impression Coping (Non-Hex)



F Hex

Unit mm

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø3.8	Ø5.0	Ø6.0	Ø6.0
Hex	2.4	2.7	3.4	2.7
Length	13	13	12	9.5
Hex	ITN **35412H**	ITN **40512H**	ITN **50612H**	ITT **50612H**
Coping Screw	ITN **35412S**	ITN **40512S**	ITN **50612S**	ITT **50612S**

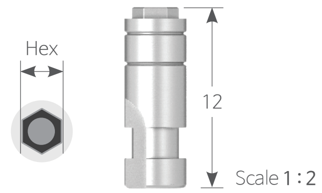
F Non-Hex Length 11

Unit mm

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø3.8	Ø5.0	Ø6.0	Ø6.0
Hex	2.4	2.7	3.4	2.7
	ITN **35412**	ITN **40512**	ITN **50612**	ITT **50612**

Fixture Analog

▸Providing anchor point for fabricating implant prosthetics on working model.

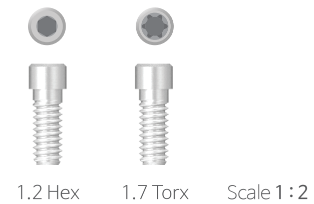


F Hex Length 12

Unit mm

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Hex	2.4	2.7	3.4	2.7
	RMN **35312**	RMN **40412**	RMN **50512**	RMT **50512**

Abutment Screw



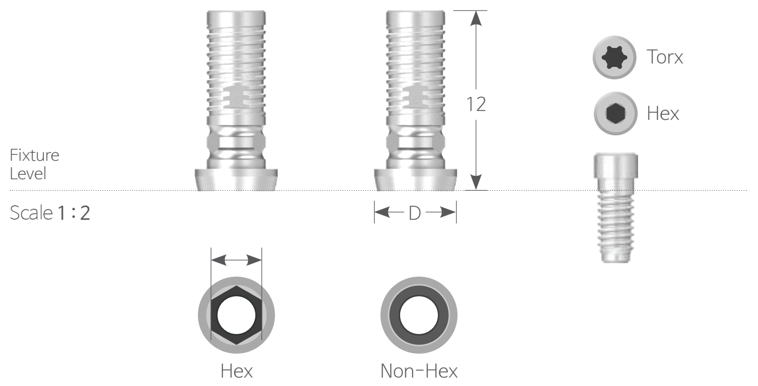
F Hex / Torx Length 12

Unit mm

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
1.2 Hex	STN **1608H**	STN **2008H**	STN **2508H**	STN **2008H**
1.7 Torx	STN **1608**	STN **2008**	STN **2508**	STN **2008**

Temporary Abutment Hex Non-Hex

▸ Used when temporary prosthesis is made
· Structure for easy customization and minimized indication
· Packing Unit : Abutment + Abutment Screw (1.2Hex : [H], 1.7 Torx : [T])
· Tightening Torque : 30Ncm



F Hex Length 12

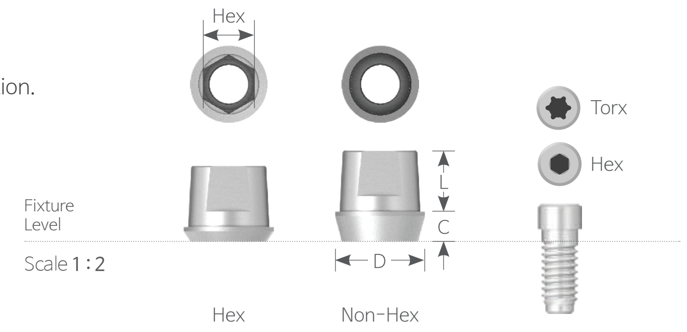
Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø5.0	Ø6.0	Ø6.0
Hex	2.4	2.7	3.4	2.7

Hex	TMN 35412 [H]	TMN 40512 [H]	TMN 50612 [H]	TMT 50612 [H]
Non-Hex	TMN 35412N [H]	TMN 40512N [H]	TMN 50612N [H]	TMT 50612N [H]

Cemented Abutment Hex Non-Hex

▸ For cement retained prosthesis
· Taper Body Design
· To prevent rotation of prosthesis, it has flap section.
· Packing Unit : Abutment + Abutment Screw
(1.2Hex : [H], 1.7 Torx : [T])
· Tightening Torque : 35Ncm



F Hex

Unit mm

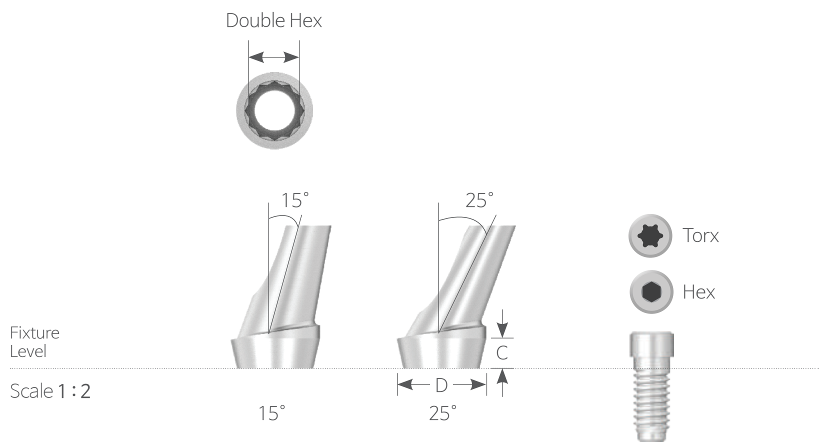
Fixture Size		Narrow	Regular	Regular	Wide	T-Wide
Fixture Platform		Ø3.5	Ø4.1	Ø4.1	Ø5.1	Ø5.0
Diameter		Ø4.0	Ø5.0	Ø6.0	Ø6.0	Ø6.0
Hex		2.4	2.7	2.7	3.4	2.7
Cuff 1	Length 4.0	AMN 35415 [H]	AMN 40515 [H]	AMN 40615 [H]	AMN 50615 [H]	AMT 50615 [H]
	5.5	AMN 35416 [H]	AMN 40516 [H]	AMN 40616 [H]	AMN 50616 [H]	AMT 50616 [H]
	7	AMN 35418 [H]	AMN 40518 [H]	AMN 40618 [H]	AMN 50618 [H]	AMT 50618 [H]
Cuff 2	Length 4.0	AMN 35426 [H]	AMN 40526 [H]	AMN 40626 [H]	AMN 50626 [H]	AMT 50626 [H]
	5.5	AMN 35427 [H]	AMN 40527 [H]	AMN 40627 [H]	AMN 50627 [H]	AMT 50627 [H]
	7.0	AMN 35429 [H]	AMN 40529 [H]	AMN 40629 [H]	AMN 50629 [H]	AMT 50629 [H]
Cuff 3	Length 4.0	AMN 35437 [H]	AMN 40537 [H]	AMN 40637 [H]	AMN 50637 [H]	AMT 50637 [H]
	5.5	AMN 35438 [H]	AMN 40538 [H]	AMN 40638 [H]	AMN 50638 [H]	AMT 50638 [H]
	7.0	AMN 35430 [H]	AMN 40530 [H]	AMN 40630 [H]	AMN 50630 [H]	AMT 50630 [H]
Cuff 4	Length 4.0	AMN 35448 [H]	AMN 40548 [H]	AMN 40648 [H]	AMN 50648 [H]	AMT 50648 [H]
	5.5	AMN 35449 [H]	AMN 40549 [H]	AMN 40649 [H]	AMN 50649 [H]	AMT 50649 [H]
	7.0	AMN 35441 [H]	AMN 40541 [H]	AMN 40641 [H]	AMN 50641 [H]	AMT 50641 [H]

F Non-Hex

Fixture Size		Narrow	Regular	Regular	Wide	T-Wide
Fixture Platform		Ø3.5	Ø4.1	Ø4.1	Ø5.1	Ø5.0
Diameter		Ø4.0	Ø5.0	Ø6.0	Ø6.0	Ø6.0
Cuff 1	Length 4.0	AMN 35415N [H]	AMN 40515N [H]	AMN 40615N [H]	AMN 50615N [H]	AMT 50615N [H]
	5.5	AMN 35416N [H]	AMN 40516N [H]	AMN 40616N [H]	AMN 50616N [H]	AMT 50616N [H]
	7.0	AMN 35418N [H]	AMN 40518N [H]	AMN 40618N [H]	AMN 50618N [H]	AMT 50618N [H]
Cuff 2	Length 4.0	AMN 35426N [H]	AMN 40526N [H]	AMN 40626N [H]	AMN 50626N [H]	AMT 50626N [H]
	5.5	AMN 35427N [H]	AMN 40527N [H]	AMN 40627N [H]	AMN 50627N [H]	AMT 50627N [H]
	7.0	AMN 35429N [H]	AMN 40529N [H]	AMN 40629N [H]	AMN 50629N [H]	AMT 50629N [H]
Cuff 3	Length 4.0	AMN 35437N [H]	AMN 40537N [H]	AMN 40637N [H]	AMN 50637N [H]	AMT 50637N [H]
	5.5	AMN 35438N [H]	AMN 40538N [H]	AMN 40638N [H]	AMN 50638N [H]	AMT 50638N [H]
	7.0	AMN 35430N [H]	AMN 40530N [H]	AMN 40630N [H]	AMN 50630N [H]	AMT 50630N [H]
Cuff 4	Length 4.0	AMN 35448N [H]	AMN 40548N [H]	AMN 40648N [H]	AMN 50648N [H]	AMT 50648N [H]
	5.5	AMN 35449N [H]	AMN 40549N [H]	AMN 40649N [H]	AMN 50649N [H]	AMT 50649N [H]
	7.0	AMN 35441N [H]	AMN 40541N [H]	AMN 40641N [H]	AMN 50641N [H]	AMT 50641N [H]

Angled Abutment

▸ Used to modify the fixture's path
· Overcome directional limitation of the abutment using double hex connection
· Uses 1.2 Hex Driver
· Packing Unit : Abutment + Abutment Screw (1.2Hex : [H], 1.7 Torx : [T])
· Tightening Torque : 35Ncm



F Hex

Unit mm | Scale 1 : 1.25

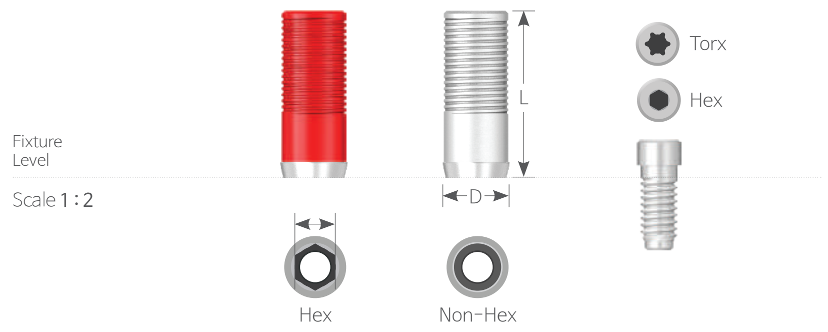
Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø5.0	Ø6.0	Ø6.0
Hex	2.4	2.7	3.4	2.7

		Narrow	Regular	Wide	T-Wide
Angle 15°	Cuff 2	AAN 35215 [H]	AAN 40215 [H]	AAN 50215 [H]	AAT 50215 [H]
	4	AAN 35415 [H]	AAN 40415 [H]	AAN 50415 [H]	AAT 50415 [H]
Angle 25°	Cuff 2	AAN 35225 [H]	AAN 40225 [H]	AAN 50225 [H]	AAT 50225 [H]
	4	AAN 35425 [H]	AAN 40425 [H]	AAN 50425 [H]	AAT 50425 [H]

UCLA Abutment

UCLA Gold Abutment Hex Non-Hex

▸ Can be used when there is limitation on path, esthetics, space etc.
· Packing Unit : Abutment + Abutment Screw (1.2Hex : [H], 1.7 Torx : [T])
· Tightening Torque : 35Ncm



F Hex

Unit mm | Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø5.5
Hex	2.4	2.7	3.4	2.7

	Narrow	Regular	Wide	T-Wide
Length 11	AGN 35414 [H]	AGN 40514 [H]	AGN 50614 [H]	-
10	-	-	-	AGT 50614 [H]

F Non-Hex

Unit mm | Scale 1 : 1.25

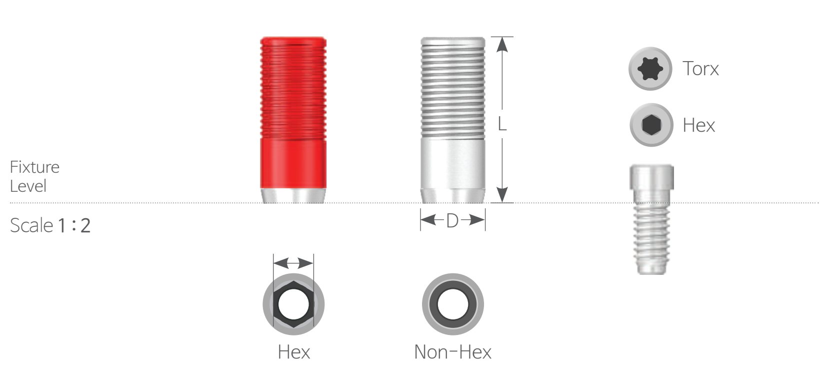
Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø5.5

	Narrow	Regular	Wide	T-Wide
Length 11	AGN 35414N [H]	AGN 40514N [H]	AGN 50614N [H]	-
10	-	-	-	AGT 50614N [H]

UCLA Abutment

UCLA CCM Abutment Hex Non-Hex

▸Can be used when there is limitation on path, esthetics, space etc.
· Packing Unit : Abutment + Abutment Screw(1.2Hex : [H], 1.7 Torx : [T])
· Tightening Torque : 35Ncm



F Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø5.5
Hex	2.4	2.7	3.4	2.7

Length 11	CCN 35414[H]	CCN 40514[H]	CCN 50614[H]	-
10	-	-	-	CCT 50614[H]

F Non-Hex

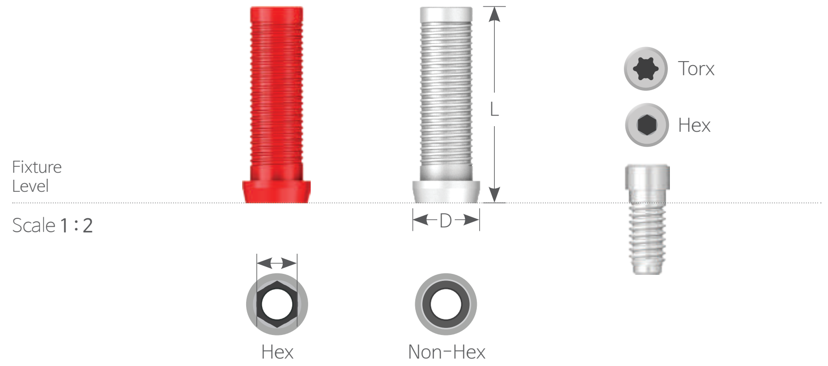
Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø5.5

Length 11	CCN 35414N[H]	CCN 40514N[H]	CCN 50614N[H]	-
10	-	-	-	CCT 50614N[H]

UCLA Plastic Abutment Hex Non-Hex

▸Can be used when there is limitation on path, esthetics, space etc.
· Packing Unit : Abutment + Abutment Screw(1.2Hex : [H], 1.7 Torx : [T])
· Tightening Torque : 35Ncm



F Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø5.5
Hex	2.4	2.7	3.4	2.7

Length 13	APN 35413[H]	APN 40513[H]	APN 50613[H]	APT 50613[H]
1.2 Hex Screw	STN 1608H	STN 2008H	STN 2508H	STN 2008H

F Non-Hex

Unit mm I Scale 1 : 1.25

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Diameter	Ø4.0	Ø4.5	Ø5.5	Ø5.5

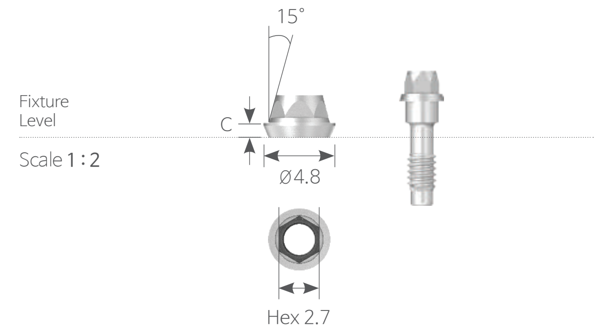
Length 13	APN 35413N[H]	APN 40513N[H]	APN 50613N[H]	APN 50613N[H]

Screw-Retained Restorations

Conical Abutment - Long

Conical Abutment Long

- Structure that makes prosthesis on a cylinder after connecting the abutment inside the mouth
- Path correction of up to 30˚degrees
- Uses 2.0 Conical Abutment Driver
- Packing Unit : Abutment + Abutment Screw
- Tightening Torque : 30Ncm



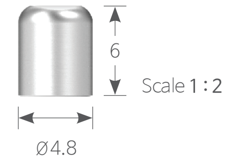
F **D Ø4.8** Hex **2.7**

Unit **mm** | Scale **1 : 1.25**

Fixture Size	Regular			
Fixture Platform	Ø4.1			
Cuff	1	2	3	4
	ACN **40513**	ACN **40524**	ACN **40535**	ACN **40546**
Screw	SHN **2009**	SHN **2010**	SHN **2011**	SHN **2012**

Healing Cap

▸ Used for taking impression of Conical abutment
- Uses 1.2 Hex Driver
- Tightening Torque : 20Ncm



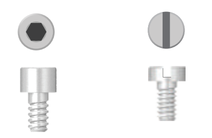
F **D Ø4.8** Length **6**

Unit **mm**

Fixture Size	Regular
	HCN **40506**

Conical Abutment Long _ Components

Cylinder Screw



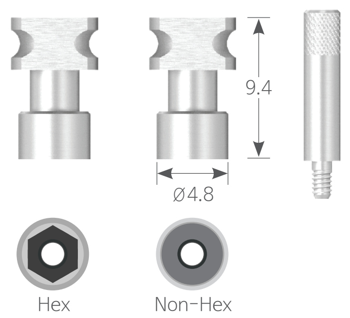
F

Unit mm I Scale 1 : 2

Fixture Size	Regular	
Type	1.2 Hex	0.5 Slot
	SHN 1404	SSN 1404

Pick-up Impression Coping Hex Non-Hex

· Final impression coping, exclusive for the conical abutment
· Custom tray is used for pick-up type of impression taking
· Uses 1.2 Hex Driver
· Packing Unit : Pick-up Impression Coping + Guide Pin (PCN 40310)



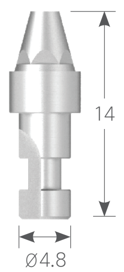
F D Ø4.8 Length 9.4

Unit mm I Scale 1 : 2

Fixture Size	Regular	
Type	Hex	Non-Hex
	IPN 40510	IPN 40510N

Conical Abutment Analog

· Providing anchor point for fabricating implant prosthetics on working model.



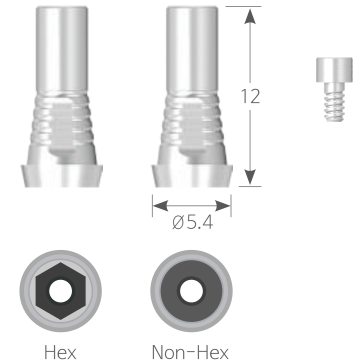
F D Ø4.8 Length 14

Unit mm I Scale 1 : 2

Fixture Size	Regular
	RCN 40414

Temporary Cylinder Hex Non-Hex

· Used for prosthesis for the conical abutment
· Structure for easy customization and minimized indication
· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw (SHN 1404)
· Tightening Torque : 20Ncm



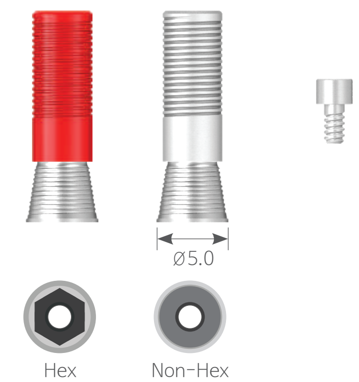
F D Ø5.4 Length 12

Unit mm I Scale 1 : 2

Fixture Size	Regular	
Type	Hex	Non-Hex
	TCN 40512	TCN 40512N

Gold Cylinder Hex Non-Hex

· After the customization, **dental gold alloy will be casted only**.
· Cylinder fusion range: 1400˚C~1500˚C
(Do not use with non-precious metal alloy)
· Uses 1.2 Hex Driver
· Packing Unit : Gold Cylinder + Cylinder Screw (SHN 1404)
· Tightening Torque : 20Ncm



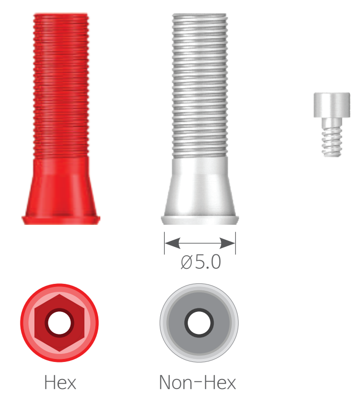
F D Ø5.0

Unit mm I Scale 1 : 2

Fixture Size	Regular	
Type	Hex	Non-Hex
	AGN 40506	AGN 40506N

Plastic Cylinder Hex Non-Hex

· After the customization, **non-precious metal alloy will be casted only**.
· Less accuracy on connecting part compared to Gold Cylinder.
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Cylinder Screw (SHN 1404)
· Tightening Torque : 20Ncm



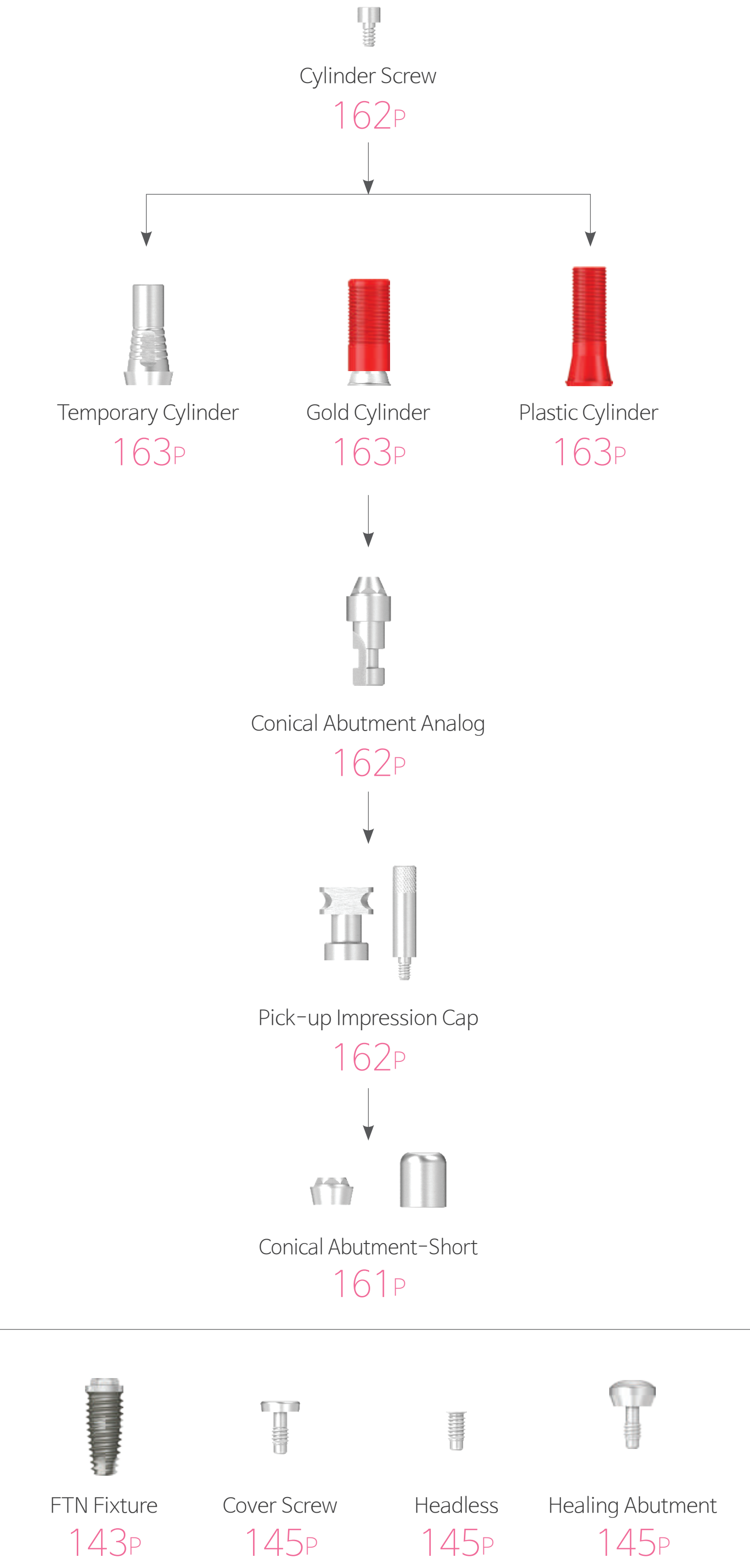
F D Ø5.0

Unit mm I Scale 1 : 2

Fixture Size	Regular	
Type	Hex	Non-Hex
	APN 40514	APN 40514N

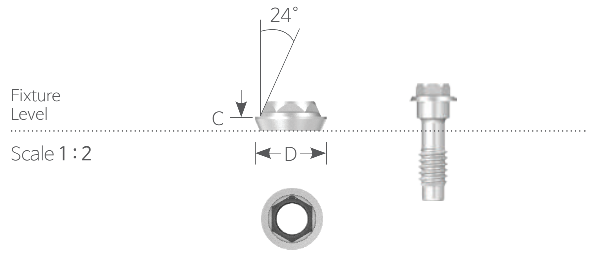
Screw-Retained Restorations

Conical Abutment - Short



Conical Abutment Short

- Structure that makes prosthesis on a cylinder after connecting the abutment inside the mouth
- Path correction of up to 48˚degrees
- Uses 2.0 / 2.7 Conical Abutment Driver
- Packing Unit : Abutment + Abutment Screw
- Tightening Torque : 30Ncm



F

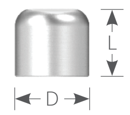
Unit mm | Scale 1 : 1.25

Fixture Size	Regular		Wide		T-Wide	
Fixture Platform	Ø4.1		Ø5.1		Ø5.0	
Diameter	Ø4.8		Ø5.5		Ø5.5	
Hex	2.7		3.4		2.7	
Type	Abutment	Screw	Abutment	Screw	Abutment	Screw
Cuff 1	ACN **40512**	SHN **2008S**	ACN **50612**	SHN **2508**	ACT **50612**	SHT **2008S**
2	ACN **40523**	SHN **2009S**	ACN **50623**	SHN **2509**	ACT **50623**	SHT **2009S**
3	ACN **40534**	SHN **2010S**	ACN **50634**	SHN **2510**	ACT **50634**	SHT **2010S**
4	ACN **40545**	SHN **2011S**	ACN **50645**	SHN **2511**	ACT **50645**	SHT **2011S**

Healing Cap

▸ Used for taking impression of Conical abutment

- Uses 1.2 Hex Driver
- Tightening Torque : 20Ncm



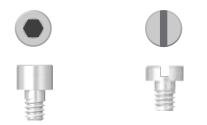
F **D Ø4.8**

Unit mm | Scale 1 : 2

Fixture Size	Regular	Wide · T-Wide
Diameter	Ø5.0	Ø5.8
Length	4.5	4.6
	HCN **40504**	HCN **50604**

Conical Abutment Short _ Components

Cylinder Screw



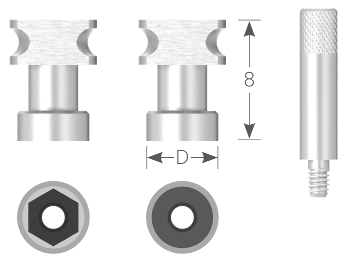
1.2 Hex   0.5 Slot

F   Unit mm I Scale 1 : 2

Fixture Size	Regular	Wide · T-Wide
Diameter	Ø1.4	Ø2.0
1.2 Hex	SHN 1403	SHN 2003
0.5 Slot	SSN 1403	SSN 2003

Pick-up Impression Coping Hex Non-Hex

· Final impression coping, exclusive for the conical abutment
· Custom tray is used for pick-up type of impression taking
· Packing Unit : Pick-up Impression Coping + Guide Pin



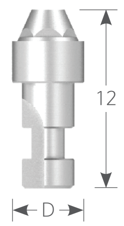
Hex   Non-Hex

F Length 8   Unit mm I Scale 1 : 2

Fixture Size	Regular		Wide · T-Wide	
Diameter	Ø4.8		Ø5.5	
Type	Hex	Non-Hex	Hex	Non-Hex
	IPN 40508	IPN 40508N	IPN 50608	IPN 50608N
Guide Pin	PCN 40310	PCN 40310S	PCN 50310	PCN 50310S

Conical Abutment Analog

· Providing anchor point for fabricating implant prosthetics on working model.

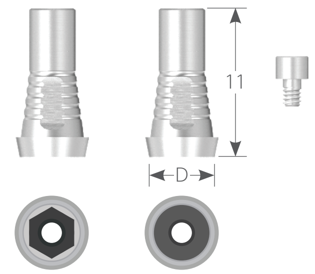


F Length 12   Unit mm I Scale 1 : 2

Fixture Size	Regular	Wide · T-Wide
Diameter	Ø4.8	Ø5.5
	RCN 40412	RCN 50512

Temporary Cylinder Hex Non-Hex

· Used for prosthesis for the conical abutment
· Structure for easy customization and minimized indication
· Uses 1.2 Hex Driver
· Packing Unit : Temporary Cylinder + Cylinder Screw
· Tightening Torque : 20Ncm



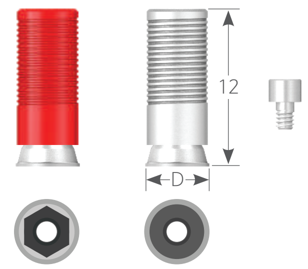
Hex   Non-Hex

F Length 11   Unit mm I Scale 1 : 18

Fixture Size	Regular		Wide · T-Wide	
Diameter	Ø5.4		Ø6.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	TCN 40511	TCN 40511N	TCN 50611	TCN 50611N
Screw	SHN 1403	SHN 1403	SHN 2003	SHN 2003

Gold Cylinder Hex Non-Hex

· After the customization, **dental gold alloy will be casted only**.
· Cylinder fusion range: 1400˚C~1500˚C
(Do not use with non-precious metal alloy)
· Uses 1.2 Hex Driver
· Packing Unit : Gold Cylinder + Cylinder Screw
· Tightening Torque : 20Ncm



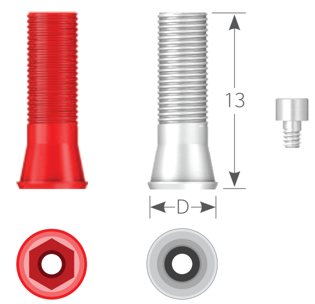
Hex   Non-Hex

F Length 12   Unit mm I Scale 1 : 18

Fixture Size	Regular		Wide · T-Wide	
Diameter	Ø5.0		Ø6.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	AGN 40504	AGN 40504N	AGN 50604	AGN 50604N
Screw	SHN 1403	SHN 1403	SHN 2003	SHN 2003

Plastic Cylinder Hex Non-Hex

· After the customization, **non-precious metal alloy will be casted only**.
· Less accuracy on connecting part compared to Gold Cylinder.
· Uses 1.2 Hex Driver
· Packing Unit : Plastic Cylinder + Cylinder Screw
· Tightening Torque : 20Ncm



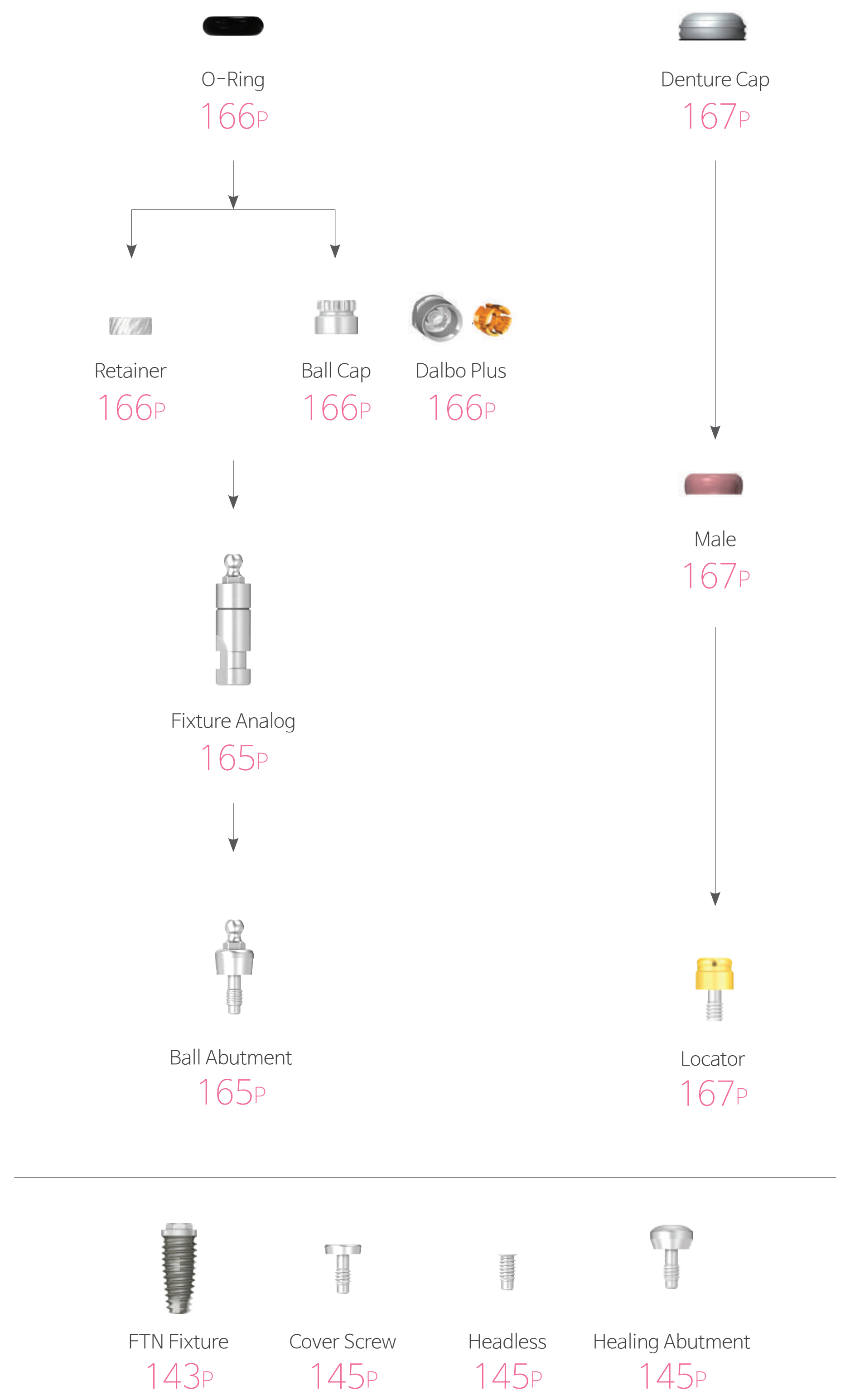
Hex   Non-Hex

F Length 13   Unit mm I Scale 1 : 18

Fixture Size	Regular		Wide · T-Wide	
Diameter	Ø5.0		Ø6.0	
Type	Hex	Non-Hex	Hex	Non-Hex
	APN 40514S	APN 40514SN	APN 50614	APN 50614N
Screw	SHN 1403	SHN 1403	SHN 2003	SHN 2003

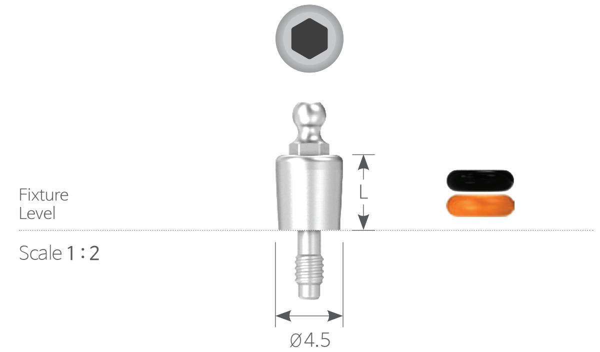
Screw-Retained Restorations

Ball Abutment



Ball Abutment

▸Used to create over-denture for edentulous patient.
· Composition of o-ring: For dental lab use (black), for clinic use (orange)
· Path recovery to the maximum of 20˚
· Uses Ball Abutment Driver
· Packing Unit : Abutment + O-Ring (OR 0450 B / OR 0450 O)
· Tightening Torque : 35Ncm



F **D Ø4.5**

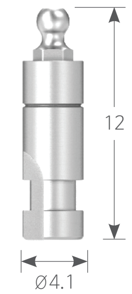
Unit mm | Scale 1 : 1.25

Fixture Size	Regular			
Length	2	3	4	5

ABN **40502**	ABN **40503**	ABN **40504**	ABN **40505**

Fixture Analog

▸Provides anchor point for ball abutment on working model.



F **D Ø4.1** Length **12**

Unit mm | Scale 1 : 2

Fixture Size	Regular
	RBN **40412**

Ball Abutment Components

Dalbo Plus

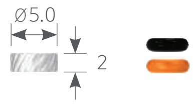
· Double structure with titanium housing and precious metallic insert.
· Provides long term usage about 10,000 trials with its resistance to abrasion.
  Minimum abrasion to the Ball Abutment and to the insert.
· Simple and convenient retention.
· Up to 20˚ in insertion angle flexibility.

F — Unit mm I Scale 1 : 2

Fixture Size	Regular
	DBPM 201

Retainer

· Advantageous when occlusal distance is low compare to Ball Cap.
· Packing Unit : Retainer + O-Ring (OR 0450 B / OR 0450 O)

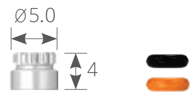


F **D Ø5.0** Length **2** — Unit mm I Scale 1 : 1.25

Fixture Size	Regular
	RT 0502

Ball Cap

· Outstanding consistency and clip-on
· Packing Unit : Ball Cap + O-Ring (OR 0450 B / OR 0450 O)



F **D Ø5.0** Length **4** — Unit mm I Scale 1 : 1.25

Fixture Size	Regular
	BC 5004

O-Ring

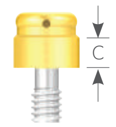
· Black : For dental lab use
· Orange : For clinical use (Over 6Ncm)
· Packing Unit : O-Ring 1 Piece

F **D Ø4.5** — Unit mm I Scale 1 : 2

Fixture Size	Regular	
	OR 0450 B	OR 0450 O
Color	● Black	● Orange

Locator

· Upgraded from the conventional method used (O-Ring System, Bar Type System, etc.)
  by connecting a locator abutment to the fixture
  and used by connecting to / separating from male part connected to the denture



F — Unit mm I Scale 1 : 2

Fixture Size	Narrow	Regular	Wide	T-Wide
Fixture Platform	Ø3.5	Ø4.1	Ø5.1	Ø5.0
Cuff 1	LOC 8105S	LOC 8681S	LOC 8825S	LOC 8820S
2	LOC 8106S	LOC 8682S	LOC 8826S	LOC 8821S
3	LOC 8107S	LOC 8683S	LOC 8827S	LOC 8822S
4	LOC 8108S	LOC 8684S	LOC 8828S	LOC 8823S
5	LOC 8109S	LOC 8685S	LOC 8829S	LOC 8824S
6	-	LOC 8686S	-	-

Male

F Standard 20°

Retention	1.5 LBS	3 LBS	5 LBS
	LOC 8529	LOC 8527	LOC 8524
Intensity	Weak	Intermediate	Strong

F Angled 40°

Retention	0 LBS	1 LBS	2 LBS	4 LBS
	LOC 8558	LOC 8548	LOC 8915	LOC 8547
Intensity	Weak	Intermediate	Intermediate	Strong

Male Pakage

· Packing Unit : Denture Caps (LOC 8510) +
  Black Processing Males (LOC 8515) +
  Retention Males (White, Pink, Blue) +
  Block-Out Spacers (LOC 8514)

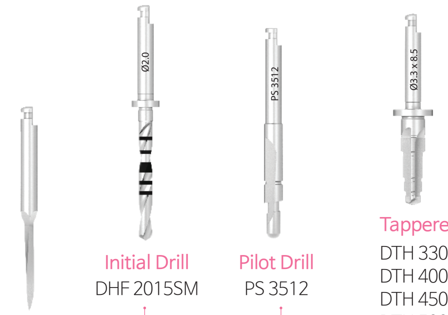
F

Type	1 Set	2 Set
	LOC 8519	08519-2

FTN Kit
Kit Code I FTN 02

· Kit composed of drill with outstanding cutting force and durability, etc.
· FTN Fixture

Unit mm I Drill Scale 1 : 0.9



Starter Drill
SD 1503M

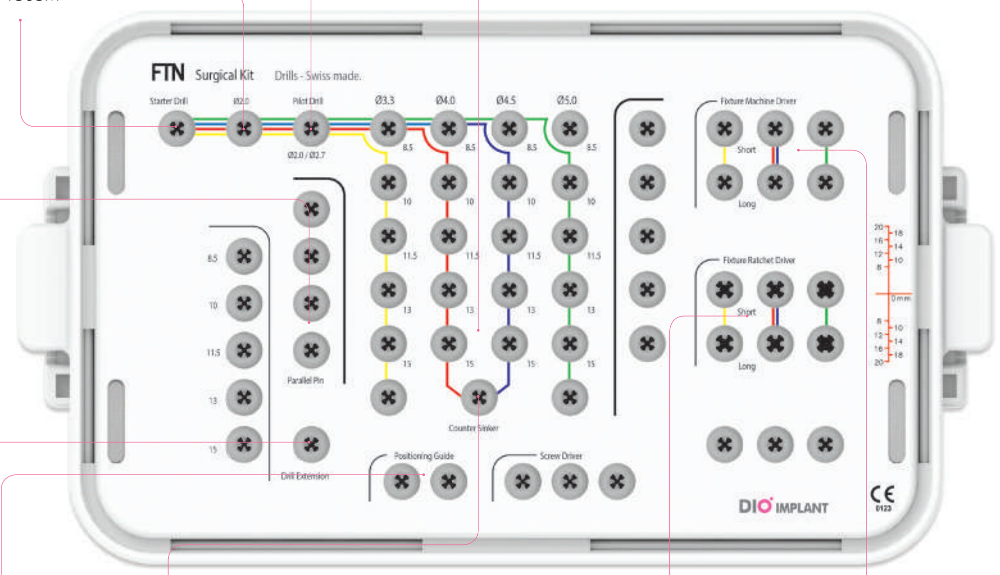
Initial Drill
DHF 2015SM

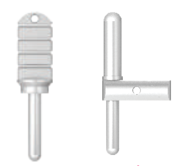
Pilot Drill
PS 3512

Tappered Drill
DTH 3308SM·DTH 3310SM·DTH 3311SM·DTH 3313SM·DTH 3315SM·ST 3300F
DTH 4008SM·DTH 4010SM·DTH 4011SM·DTH 4013SM·DTH 4015SM·ST 4000F
DTH 4508SM·DTH 4510SM·DTH 4511SM·DTH 4513SM·DTH 4515SM·ST 4500F
DTH 5008SM·DTH 5010SM·DTH 5011SM·DTH 5013SM·DTH 5015SM·ST 5000F

Parallel Pin
PP 1223
PP 1523
PP 2015
PP 2022
PP 2023

Drill Extension
DE 3811





Positioning Guide
PG 0050·PG 0060

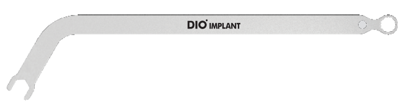
Countsinker
NCS 3508
NCS 4108
NCS 5108

Fixture Ratchet Driver
HGW 3513A·HGW 3521A·HGW 3525A
HGW 4013A·HGW 4021A·HGW 4025A
HGW 5013A·HGW 5021A·HGW 5025A

Fixture Machine Driver
HGC 3524·HGC 3530·HGC 3535
HGC 4024·HGC 4030·HGC 4035
HGC 5024·HGC 5030·HGC 5035

Screw Driver
MD 0522·MD 0530·MD 0922·MD 0930
MD 1219·MD 1222·MD 1230·MD 1234·MD 1239
MD 1719·MD 1722·MD 1730
HD 0510A·HD 0515A
HD 0910A·HD 0915A·HD 0920A
HD 1205A·HD 1210A·HD 1215A·HD 1220A·HD 1225A·HD 1230A
HD 1705A·HD 1710A·HD 1715A·HD 1720A·HD 1725A

Deapth Gauge
DPE 2050

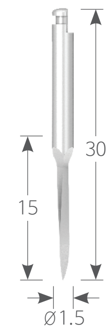


Open Wrench
OW 002

Ratchet Wrench
DRW 050

Surgical Tool

Starter Drill

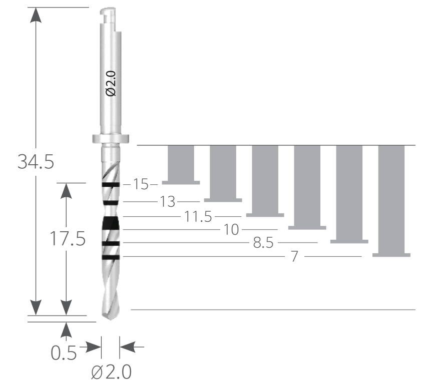


K D Ø1.5

Unit mm I Scale 1 : 1.2

Code	SD 1530M

Initial Drill



K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	DHF 2015SM

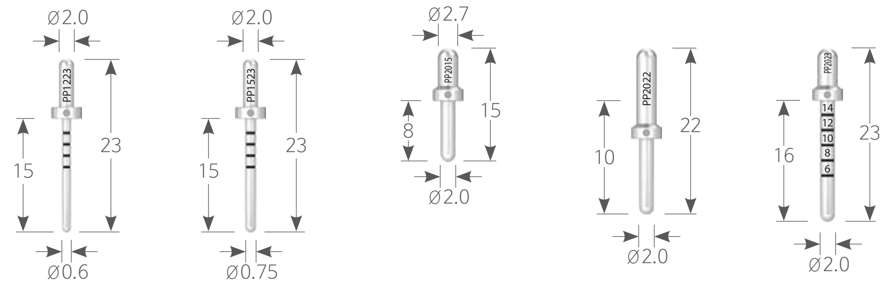
Parallel Drill

Sold separately

K

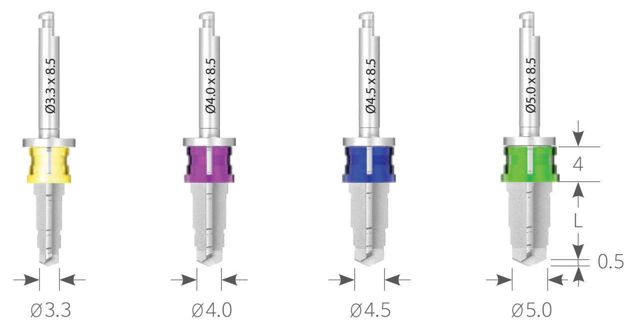
Unit mm I Scale 1 : 1

Code	PP 1223	PP 1523	PP 2015	PP 2022	PP 2023



Surgical Tool

Tapered Drill



Scale 1 : 1.2

Color	yellow	purple	blue	green
Stopper	ST 3300F	ST 4000F	ST 4500F	ST 5000F

K D Ø3.3

Unit mm | Scale 1 : 1

Code	DTH 3308SM	DTH 3310SM	DTH 3311SM	DTH 3313SM	DTH 3315SM
Length	8.5	10	11.5	13	15

K D Ø4.0

Unit mm | Scale 1 : 1

Code	DTH 4008SM	DTH 4010SM	DTH 4011SM	DTH 4013SM	DTH 4015SM
Length	8.5	10	11.5	13	15

K D Ø4.5

Unit mm | Scale 1 : 1

Code	DTH 4508SM	DTH 4510SM	DTH 4511SM	DTH 4513SM	DTH 4515SM
Length	8.5	10	11.5	13	15

K D Ø5.0

Unit mm | Scale 1 : 1

Code	DTH 5008SM	DTH 5010SM	DTH 5011SM	DTH 5013SM	DTH 5015SM
Length	8.5	10	11.5	13	15

Drill Extention

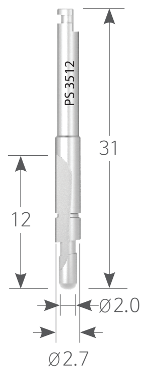
K

Unit mm | Scale 1 : 1.2

Code	DE 3811

Surgical Tool

Pilot Drill



K

Unit mm I Scale 1 : 1.2

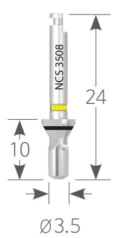
Code	PS 3512

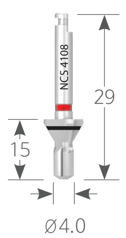
Counter Sinker

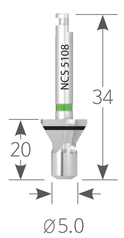
K

Unit mm I Scale 1 : 1

Code	NCS 3508	NCS 4108	NCS 5108

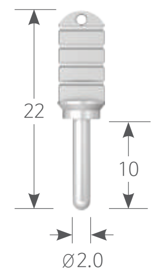






Color	● (yellow)	● (red)	● (green)

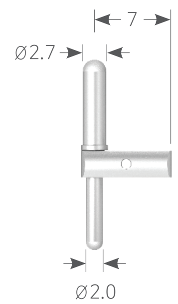
Positioning Guide



K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	PG 0050



K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	PG 0060

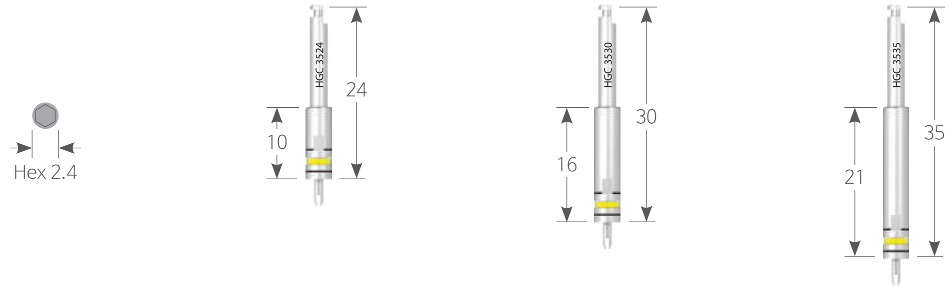
Surgical Tool

Fixture Driver Machine

K D Ø3.5 Hex 2.4

Unit mm I Scale 1 : 1

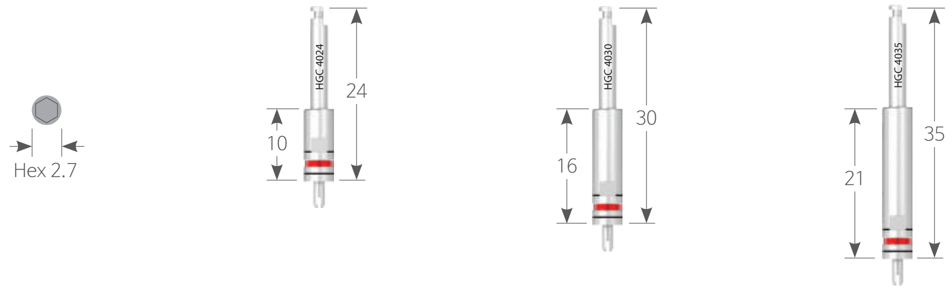
Code	HGC 3524	HGC 3530	HGC 3535



K D Ø4.1 Hex 2.7

Unit mm I Scale 1 : 1

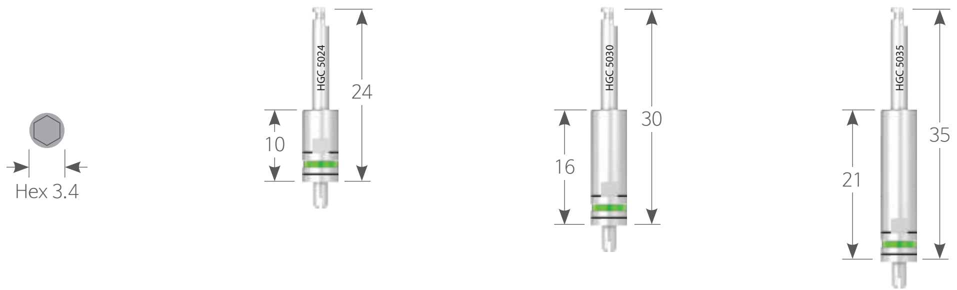
Code	HGC 4024	HGC 4030	HGC 4035



K D Ø5.0 Hex 3.4

Unit mm I Scale 1 : 1

Code	HGC 5024	HGC 5030	HGC 5035

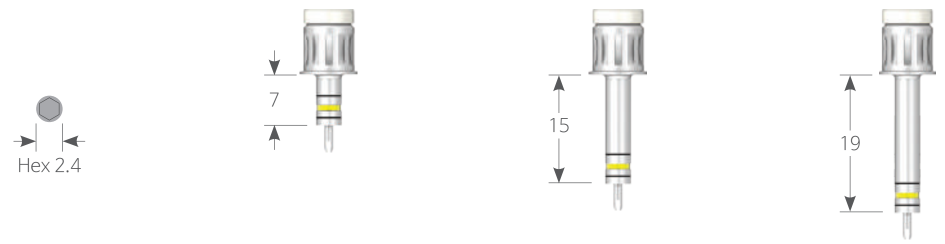


Fixture Driver Ratchet

K D Ø3.5 Hex 2.4

Unit mm I Scale 1 : 1

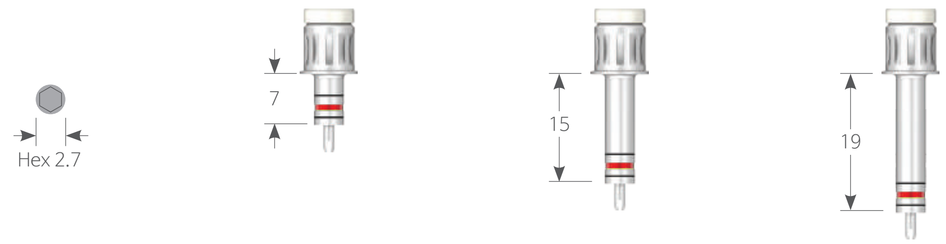
Code	HGW 3513A	HGW 3521A	HGW 3525A



K D Ø4.1 Hex 2.7

Unit mm I Scale 1 : 1

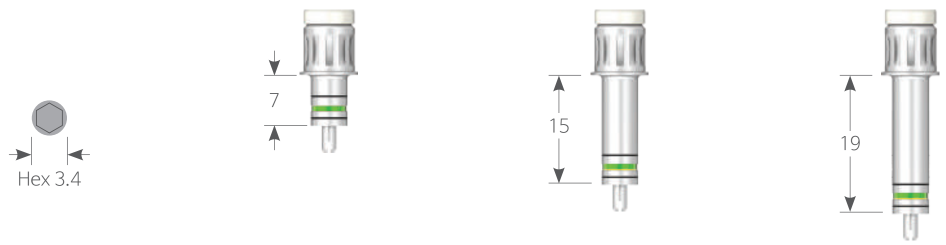
Code	HGW 4013A	HGW 4021A	HGW 4025A



K D Ø5.0 Hex 3.4

Unit mm I Scale 1 : 1

Code	HGW 5013A	HGW 5021A	HGW 5025A



Surgical Tool

Screw Driver Machine

● Sold separately

K Slot **0.5**

Unit mm I Scale 1 : 1

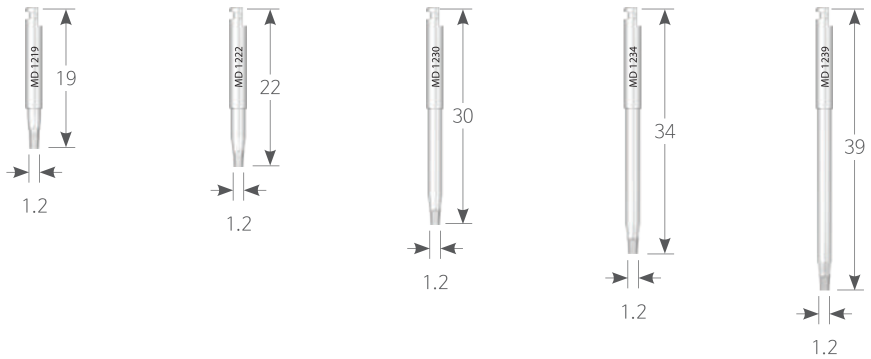
Code	MD 0522	MD 0530

K Hex **0.9**

Code	MD 0922	MD 0930

K Hex **1.2**

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239



K Torx **1.7**

Code	MD 1719	MD 1722	MD 1730

Screw Driver Ratchet

● Sold separately

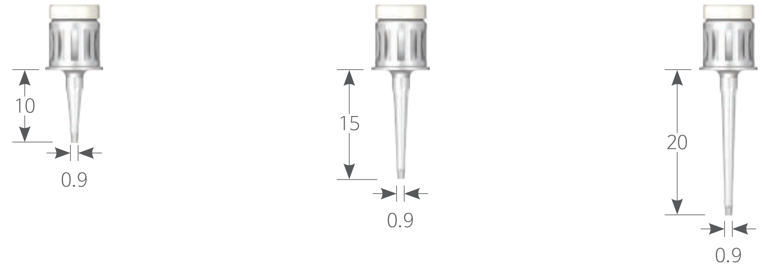
K Slot **0.5**

Unit mm I Scale 1 : 1

Code	HD 0510A	HD 0515A

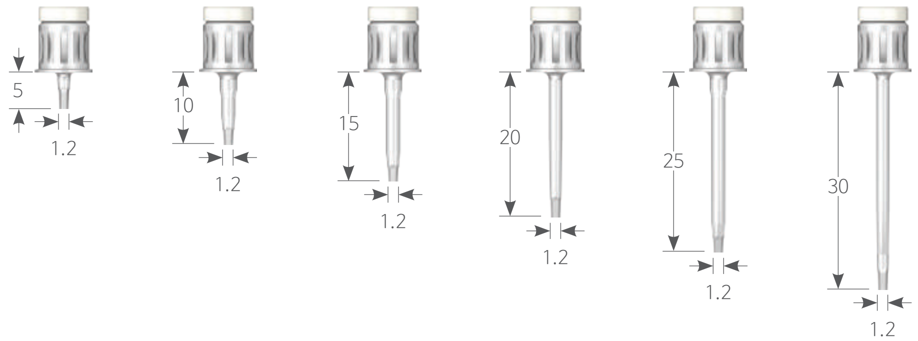
K Hex **0.9**

Code	HD 0910A	HD 0915A	HD 0920A



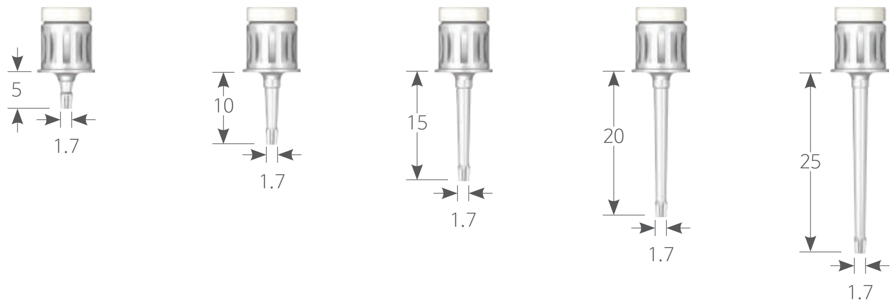
K Hex **1.2**

Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A



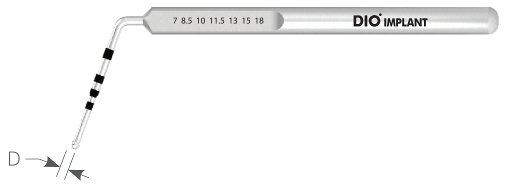
K Torx **1.7**

Code	HD 1705A	HD 1710A	HD 1715A	HD 1720A	HD 1725A



Surgical Tool

Depth Gauge

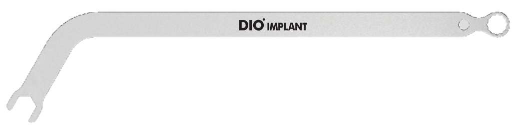


K

Unit mm I Scale 1 : 0.7

Code	DPE 2050

Open Wrench



K

Unit mm I Scale 1 : 0.7

Code	OW 002

Ratchet Wrench

K

Unit mm I Scale 1 : 0.7

Code	DRW 050

Torque Wrench

· Used for fixture implantation or fastening screw
· Torque values (0, 15, 35, 50Ncm) are laser etched on handle
· Convenient disassembly for easy cleaning

● Sold separately

K

Unit mm I Scale 1 : 0.7

Code	DTW 0060

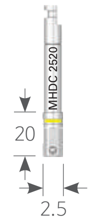
Fixture Mount Driver Machine

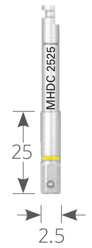
● Sold separately

K Hex 2.5

Unit mm I Scale 1 : 1

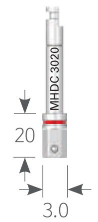
Code	MHDC 2520	MHDC 2525

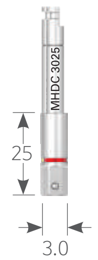




K Hex 3.0

Code	MHDC 3020	MHDC 3025



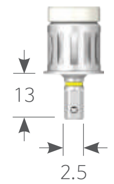


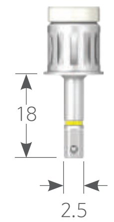
Fixture Mount Driver Ratchet

K Hex 2.5

Unit mm I Scale 1 : 1

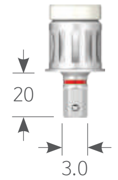
Code	MHDR 2513A	MHDR 2518A

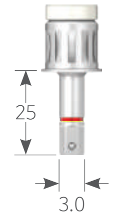




K Hex 3.0

Code	MHDR 3013A	MHDR 3018A





Surgical Tool

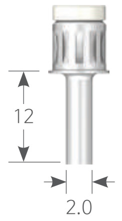
Concial Abutment Screw Driver

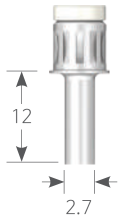
Sold separately

K

Unit mm I Scale 1 : 1

Code	HD 2012A	HD 2712A





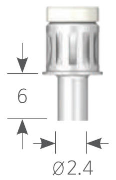
Ball Abutment Driver

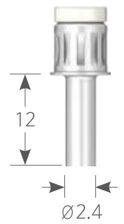
Sold separately

K

Unit mm I Scale 1 : 1

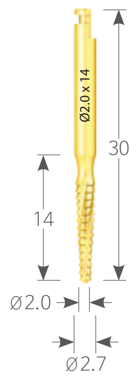
Code	HD 2406A	HD 2412A





Lindemann Drill

· Easy to change direction of drilling
· Used to remove the ridge with extraction socket
· Ease of site preparation with extraction socket



Sold separately

K

Unit mm I Scale 1 : 1.25

Code	RMH 2014S

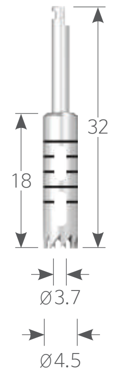
Trehine Drill

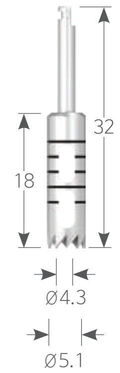
Sold separately

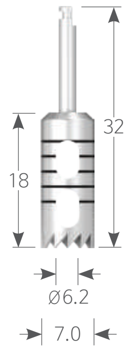
K

Unit mm I Scale 1 : 1

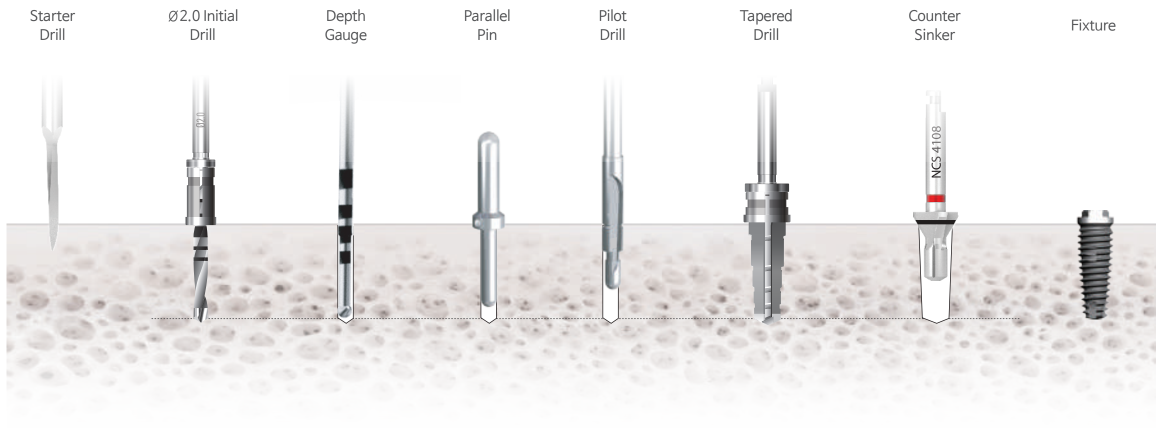
Code	TRD 4537	TRD 5143	TRD 7062







Surgical Tool



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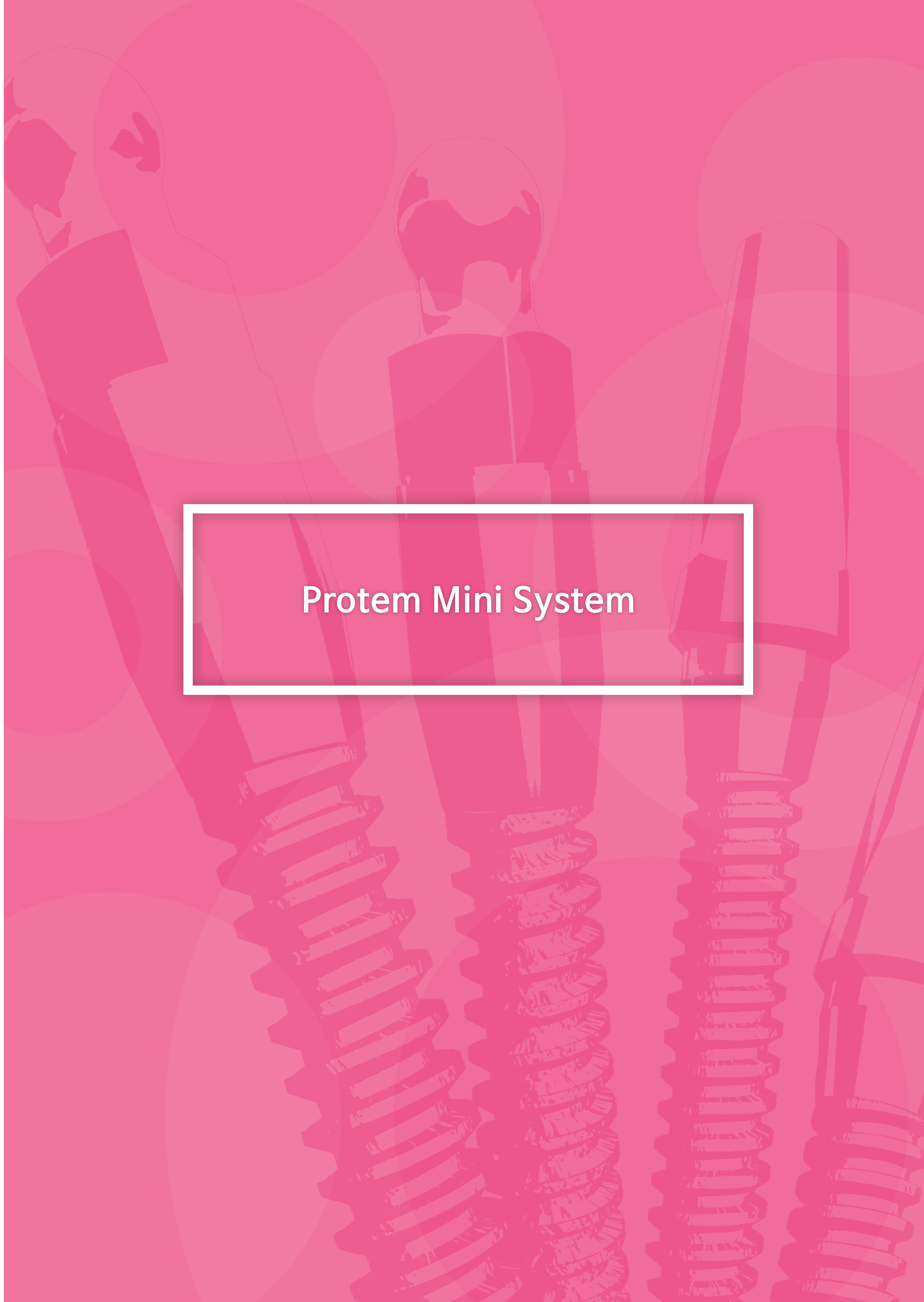
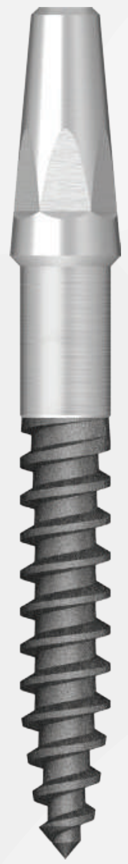


Protem Mini System

Protem Mini System



Post Type

It is appropriate for narrow space like maxillo-mandibular anterior teeth.
The fixture and abutment are combined as a single body to sufficiently withstand biting pressure.
RBM /Brushite(CaP) surface is used for faster osseointegration.
Shape and size of the abutment were optimized for prosthesis without removal.
The body design increases initial fixing force and bone drilling ability for optimized self-tapping.

Ball Type

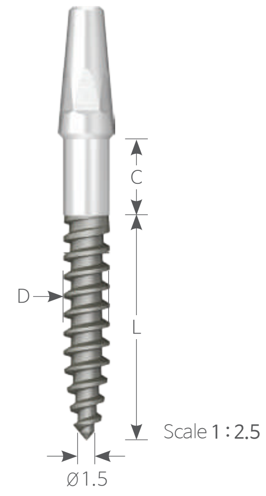
It is used to attach temporary prosthesis in a fully or partially edentulous patient.
This system can make temporary prosthesis simply using PEEK healing cap and analog.
The body thread design increases initial fixing force and bone drilling ability for optimized self-tapping.

Protem Fixture

Post Type

D Ø2.0 ı Ø2.5 ı Ø3.0
L 8 ı 10 ı 12 ı 14 ı 16

RBM | Brushite(CaP)



Mini Implant
One piece implants used for single stage implant surgery

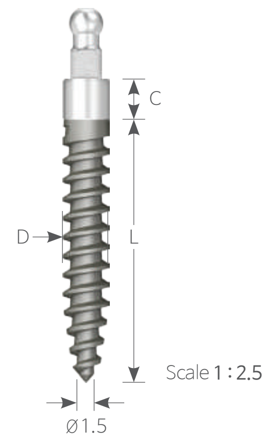
Temporary Implant
It is generally used as temporary implant to offer immediate recovery of esthetic element and immediate funtoinality after implant placement. Retention of temporary prosthesis is increased.

Self Tapping
Thread pitch and shape were designed to exert maximum strength in mini implant. In case of Ø3.0, cutting edge is applied to the taper body design for self-tapping.

Ball Type

D Ø2.0 ı Ø2.5 ı Ø3.0
L 10 ı 12 ı 14 ı 16

RBM | Brushite(CaP)



Mini Implant
One piece implants used for single stage implant surgery which is Ball type.

O-ring Attachment
It is often used to increase retention of the denture. An o-ring attachment is connected to increase retention of the denture.

Cemented Abutment
Ø3.0 - Cemented / UCLA abutment can be selected.

Self Tapping
Thread pitch and shape were designed to exert maximum strength. The taper-straight-taper body design allows for self-tapping and improves initial fixing force and immediate loading function.

Post Type Fixture

P D Ø2.0

Unit mm | Scale 1 : 1.5

Length		8	10	12	14
Cuff 2	RBM	MFP 20208C	MFP 20210C	MFP 20212C	MFP 20214C
4	RBM	MFP 20408C	MFP 20410C	MFP 20412C	MFP 20414C

P D Ø2.5

Unit mm | Scale 1 : 1.5

Length		8	10	12	14
Cuff 2	RBM	MFP 25208C	MFP 25210C	MFP 25212C	MFP 25214C
	Brushite(CaP)	MFP 25208CH	MFP 25210CH	MFP 25212CH	MFP 25214CH
4	RBM	MFP 25408C	MFP 25410C	MFP 25412C	MFP 25414C
	Brushite(CaP)	MFP 25408CH	MFP 25410CH	MFP 25412CH	MFP 25414CH

P D Ø3.0

Unit mm | Scale 1 : 1.5

Length		10	12	14	16
Cuff 2	RBM	MFP 30210C	MFP 30212C	MFP 30214C	MFP 30216C
	Brushite(CaP)	MFP 30210CH	MFP 30212CH	MFP 30214CH	MFP 30216CH
4	RBM	MFP 30410C	MFP 30412C	MFP 30414C	MFP 30416C
	Brushite(CaP)	MFP 30410CH	MFP 30412CH	MFP 30414CH	MFP 30416CH

Ball Type Fixture

B D Ø2.0

Unit mm | Scale 1 : 1.5

Length		10	12	14	16
Cuff 2	RBM	MFB 20210C	MFB 20212C	MFB 20214C	-
4	RBM	MFB 20410C	MFB 20412C	MFB 20414C	-

B D Ø2.5

Unit mm | Scale 1 : 1.5

Length		10	12	14	16
Cuff 2	RBM	MFB 25210C	MFB 25212C	MFB 25214C	-
	Brushite(CaP)	MFB 25210CH	MFB 25212CH	MFB 25214CH	-
4	RBM	MFB 25410C	MFB 25412C	MFB 25414C	-
	Brushite(CaP)	MFB 25410CH	MFB 25412CH	MFB 25414CH	-

B D Ø3.0

Unit mm | Scale 1 : 1.5

Length		10	12	14	16
Cuff 2	RBM	MFB 30210C	MFB 30212C	MFB 30214C	MFB 30216C
	Brushite(CaP)	MFB 30210CH	MFB 30212CH	MFB 30214CH	MFB 30216CH
4	RBM	MFB 30410C	MFB 30412C	MFB 30414C	MFB 30416C
	Brushite(CaP)	MFB 30410CH	MFB 30412CH	MFB 30414CH	MFB 30416CH

Protem – Post Type
Flow Chart

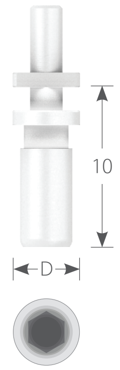
Post Analog
189P

Impression Coping
189P

Post Type
186P

Post Type Components

Impression Coping



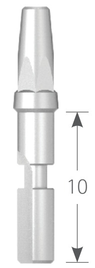
P **D Ø3.5** Length **11**

Unit **mm** I Scale **1 : 2**

Fixture Diameter	Ø2.0 Ø2.5 Ø3.0
	MICP **3511**

Post Analog

· Protem Implant Post of the mouth can be formed on the work model



P Length **10**

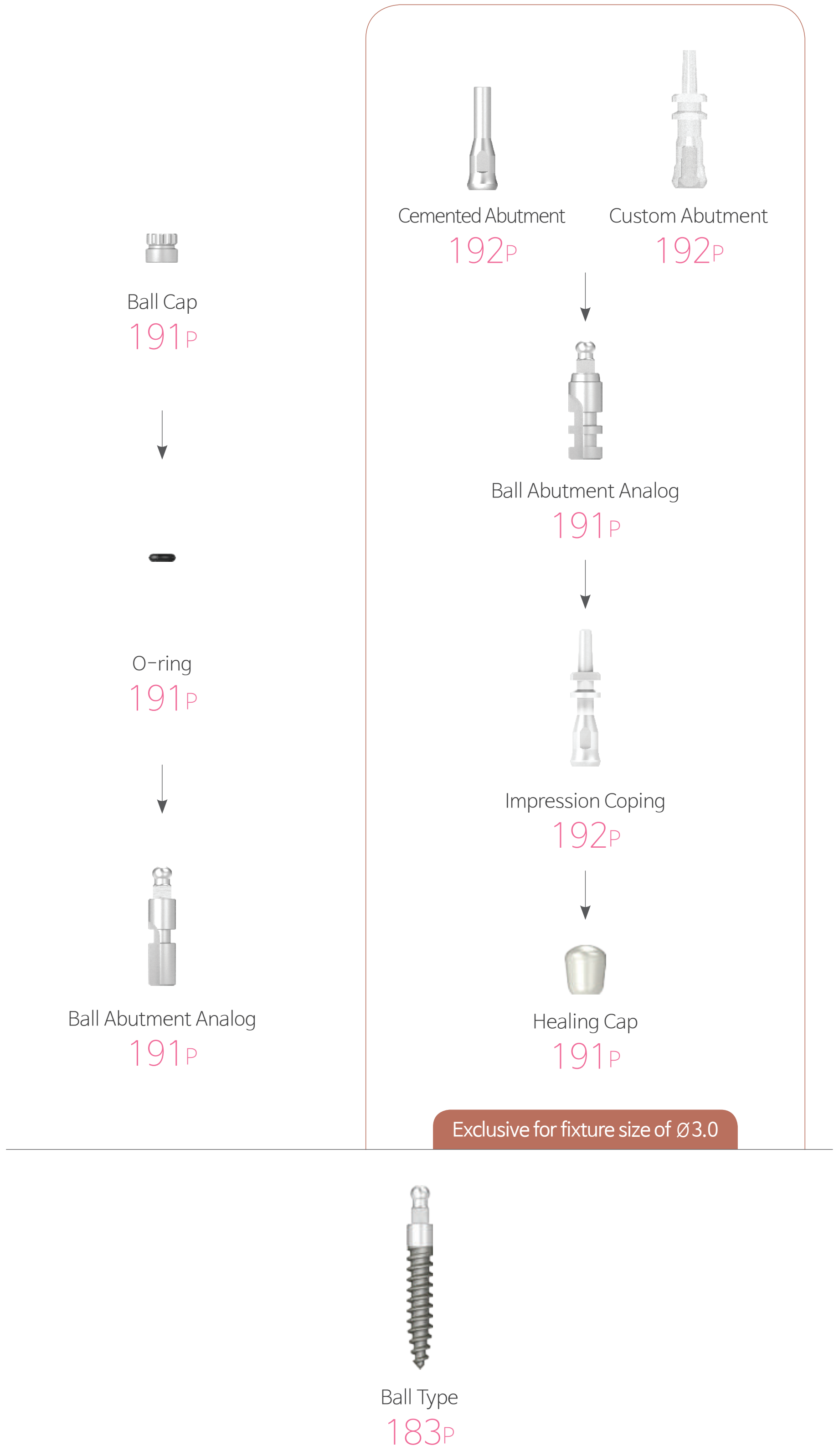
Unit **mm** I Scale **1 : 1.25**

Fixture Size	Ø2.0	Ø2.5	Ø3.0

MAP **3010**

MAP **3017**

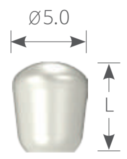
Protem – Ball Type
Flow Chart



Ball Type Components

Healing Cap

▸Exclusive for fixture size of Ø3.0



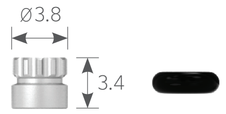
B **D Ø5.0**

Unit **mm** I Scale **1 : 2**

Length	6	8
	MHC **5006**	MHC **5008**

Ball Cap

· Excellent retention and detachment of denture
· Packing Unit : Ball Cap + O-Ring 2 Piece (OR 3401)



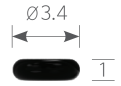
B **D Ø3.8**

Unit **mm** I Scale **1 : 2**

Code	MBC **3803**

O-ring

· Packing Unit : O-Ring 1 Piece



B **D Ø3.4**

Unit **mm** I Scale **1 : 2**

Code	OR **3401**

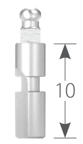
Ball Abutment Analog

· Protem Implant Ball of the mouth can be formed on the work model

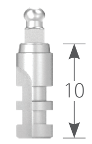
B Length **10**

Unit **mm** I Scale **1 : 1.25**

Fixture Size	Ø2.0 Ø2.5	Ø3.0



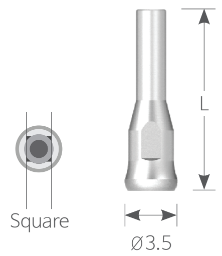
MAB **2510**



MAB **3014**

Cemented Abutment

▸ Exclusive for fixture size of Ø3.0
▸ For cement retained prosthesis

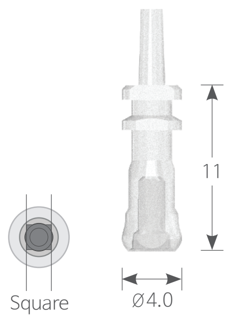


B D Ø3.5 Square 1.67 — Unit mm | Scale 1 : 2

Length	8	12
	MCB 3508	MCB 3512

Custom Abutment

▸ Can be used when there is limitation on path, esthetics, space etc.
· After the customization, gold or non-precious metal alloy will be casted only.

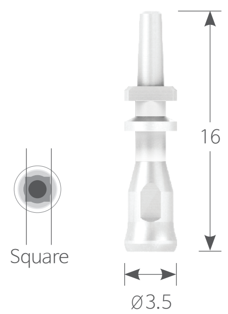


B D Ø4.0 Square 1.67 — Unit mm | Scale 1 : 2

Code	MCA 4011

Impression Coping

▸ Exclusive for fixture size of Ø3.0



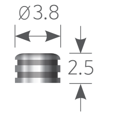
B D Ø3.5 Square 1.67 — Unit mm | Scale 1 : 2

Code	MIC 3511

Abutment Components

Stainless Steel Housing

· The new stainless steel housing decrease the size that can provide better stability and retention with resin.
· Packing Unit : 2 Piece

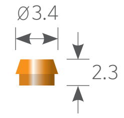


B D Ø3.8 — Unit mm | Scale 1 : 1.25

Code	041CAM

OT Cap Orange

· Excellent retention is obtained with broader contact area compared to o-ring.
· Packing Unit : 6 Piece
· Caution) There is no separate cap for dental lab.
Replace the cap after making the denture.



B D Ø3.4 — Unit mm

Code	060CRM AY

Processing Cap Black

▸ For laboratory use only
· Packing Unit : 6 Piece

B D Ø3.3 — Unit mm

Code	043CLM

Insertion Tool For Caps

▸ Used for insertion the cap in the stainless housing.
· Possible to use both tip in a normal and micro situation.
· Packing Unit : Handle + Tip

B

Code	085IAC

Remover Tool For Caps

▸ Used for removing the cap from the stainless housing
· Possible to use in both normal and micro situation with one tool.

B

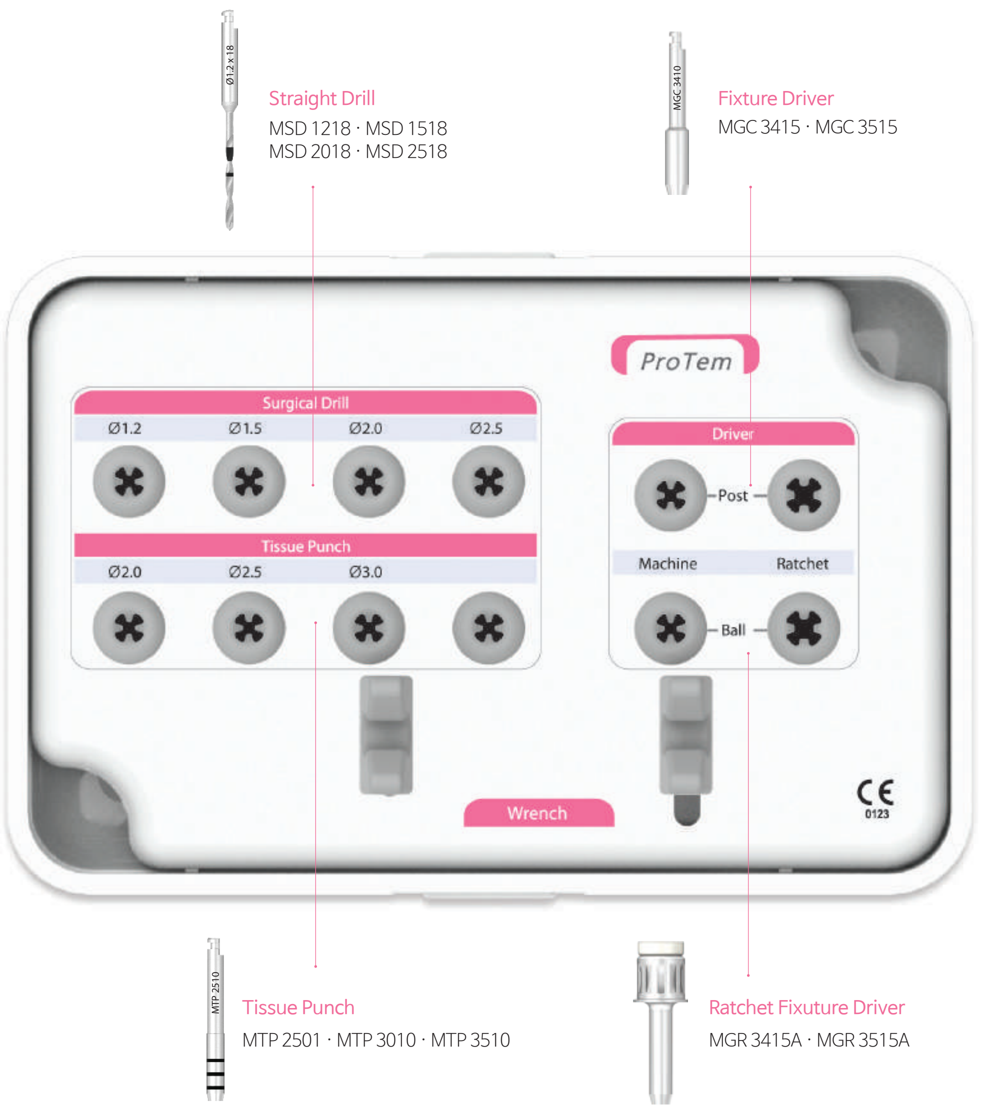
Code	091EC

Protem Kit

Kit Code | PRT01

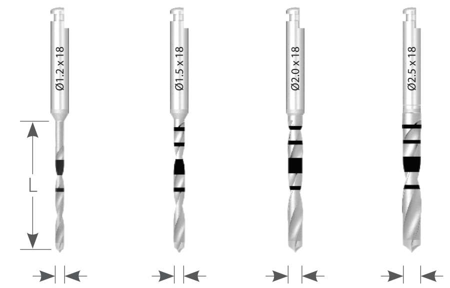
Kit composed of drill with outstanding cutting force and durability, etc.
· Protem Post&Ball Type ø2.0 ø2.5 ø3.0 Fixture

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Straight Drill



● Sold separately

K

Unit mm | Scale 1 : 1

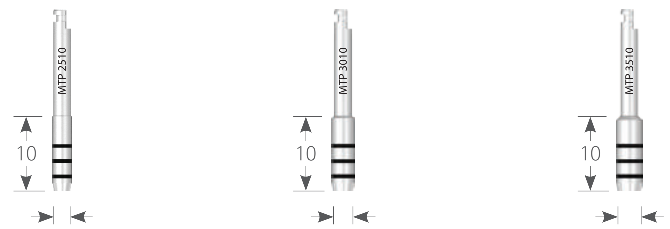
Code	MSD 1212	MSD 1512	MSD 2012	MSD 2512	MSD 1218	MSD 1518	MSD 2018	MSD 2518
Length	12				18			

Tissue Punch

K

Unit mm | Scale 1 : 1

Code	MTP 2510	MTP 3010	MTP 3510



Surgical Tool

Fixture Driver

● Sold separately

K D Ø3.4

Unit mm I Scale 1 : 1

Code	MGC 3410	MGC 3415	MGC 3420

K D Ø3.5

Code	MGC 3510	MGC 3515	MGC 3520

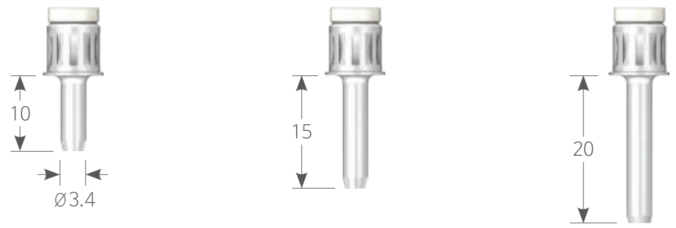
Ratchet Fixture Driver

● Sold separately

K D Ø3.4

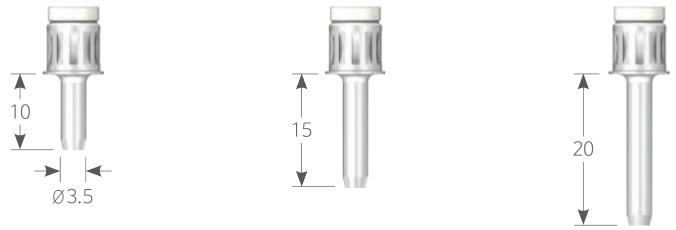
Unit mm I Scale 1 : 1

Code	MGR 3410A	MGR 3415A	MGR 3420A

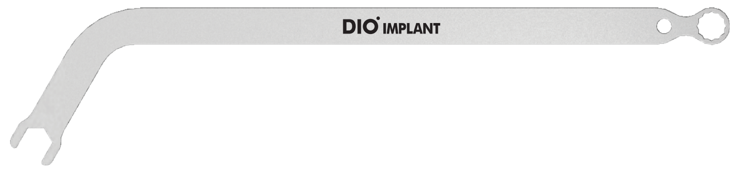


K D Ø3.5

Code	MGR 3510A	MGR 3515A	MGR 3520A



Open Wrench



K

Unit mm I Scale 1 : 1

Code	OW 002

Ratchet Wrench

K

Unit mm I Scale 1 : 1

Code	DRW 050

DIO

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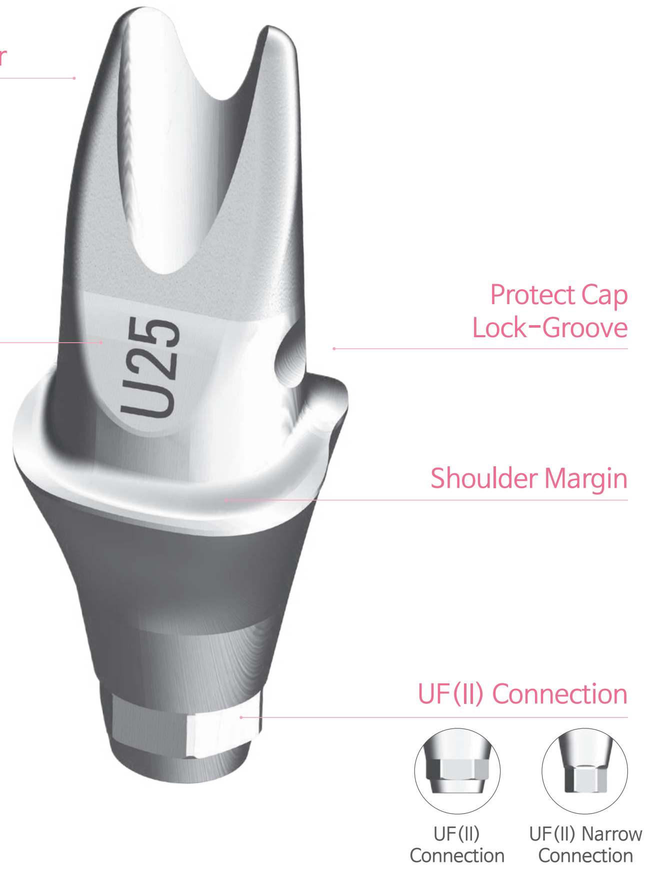
DIGITAL
MATERIALS

DIGITAL MATERIALS

2018 PRODUCT CATALOG

Digital Abutment

Digital abutment that is better than stock abutments and more convenient than customized abutments.



Marking

L25 · L Lower Incisor 2 Cuff 5 Post
U25 · U Upper Incisor 2 Cuff 5 Post
C25 · C Canine 2 Cuff 5 Post
P25 · P Pre-Molar 2 Cuff 5 Post
M25 · M Molar 2 Cuff 5 Post

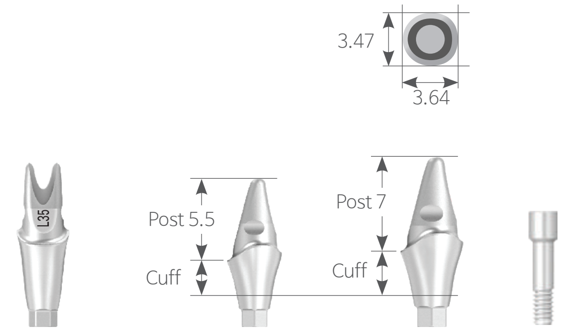
Caution
ex) Cuff 2.5 = 2 / Post 5.5 = 5

	Lower Incisor	Upper Incisor	Canine	Premolar	Molar
Cross Section					
Cervical Margin Cross Section					
Facial Side	→	→	→	→	→
Connection	UF(II) Narrow	UF(II) Narrow /UF(II)	UF(II)	UF(II)	UF(II)
Cervical Margin Dimension (Mesiodistal x faciolingual)	5 X 5.2	6.1 X 5.7	5.3 X 6.3	5.8 X 6.8	7.3 X 7.8
Ratio (%)	70%	70% / 85%	85%	85%	85%

Lower Incisor

UFII Narrow Angled Abutment_Hex

· Packing Unit : Abutment + Abutment Screw
If a protect cap is included in the abutment + abutment screw, model name + [C]
· Abutment Screw : UNSAS 1407H (Only compatible with the screw included.)



N Post **5.5**

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	4.5	5.5	Protect Cap
	DLN **2555H**	DLN **3555H**	DLN **4555H**	DLN **5555H**	DCLN **55**
Marking	L 25	L 35	L 45	L 55	-

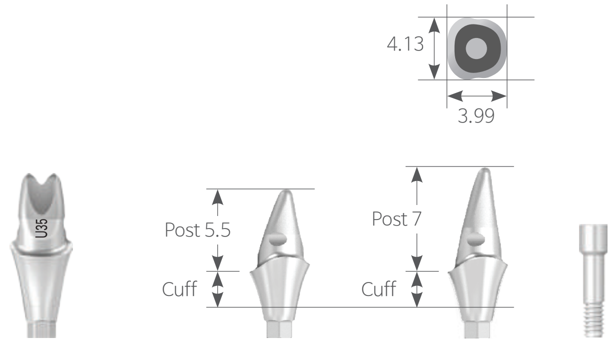
N Post **7.0**

Cuff	2.5	3.5	4.5	5.5	Protect Cap
	DLN **2570H**	DLN **3570H**	DLN **4570H**	DLN **5570H**	DCLN **70**
Marking	L 27	L 37	L 47	L 57	-

Upper Incisor

UFII Narrow Angled Abutment_Hex

· Packing Unit : Abutment + Abutment Screw
If a protect cap is included in the abutment + abutment screw, model name + [C]
· Abutment Screw : UNSAS 1407H (Only compatible with the screw included.)



N Post **5.5**

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	4.5	5.5	Protect Cap
	DUN **2555H**	DUN **3555H**	DUN **4555H**	DUN **5555H**	DCUN **55**
Marking	L 25	L 35	L 45	L 55	-

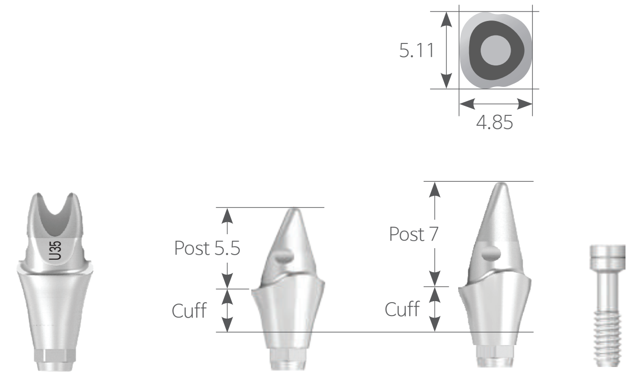
N Post **7.0**

Cuff	2.5	3.5	4.5	5.5	Protect Cap
	DUN **2570H**	DUN **3570H**	DUN **4570H**	DUN **5570H**	DCUN **70**
Marking	L 27	L 37	L 47	L 57	-

Upper Incisor

UFII Angled Abutment_Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included.)



R Post **5.5**

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	4.5	5.5	Protect Cap
	DUR **2555H**	DUR **3555H**	DUR **4555H**	DUR **5555H**	DCUR **55**
Marking	U 25	U 35	U 45	U 55	-

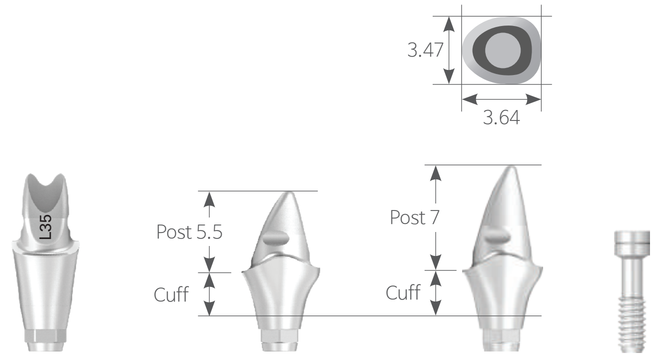
R Post **7.0**

Cuff	2.5	3.5	4.5	5.5	Protect Cap
	DUR **2570H**	DUR **3570H**	DUR **4570H**	DUR **5570H**	DCUR **70**
Marking	U 27	U 37	U 47	U 57	-

Canine

UFII Angled Abutment_Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included.)



R Post 5.5

Unit mm I Scale 1 : 1.25

Cuff	2.5	3.5	Protect Cap
	DCR 2555H	DCR 3555H	DCCR 55
Marking	L 25	L 35	–

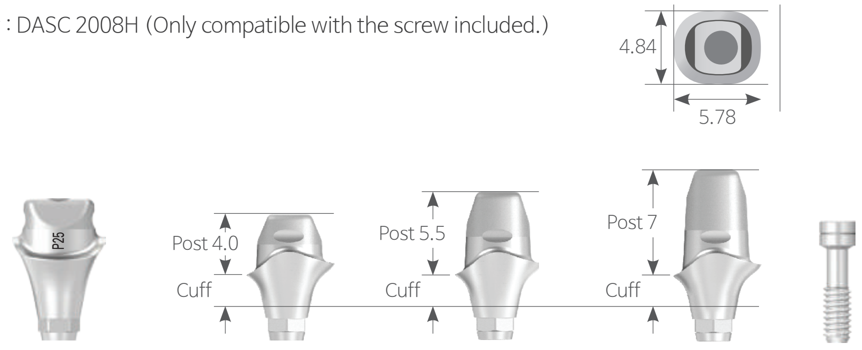
R Post 7.0

Cuff	2.5	3.5	Protect Cap
	DCR 2570H	DCR 3570H	DCCR 70
Marking	L 25	L 35	–

Premolar

UFII Angled Abutment_Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included.)



R Post 4.0

Unit mm I Scale 1 : 1.25

Cuff	1.5	2.5	3.5	4.5	Protect Cap
	DPR 1540H	DPR 2540H	DPR 3540H	DPR 4540H	DCPR 40
Marking	P 14	P 24	P 34	P 44	–

R Post 5.5

Cuff	1.5	2.5	3.5	4.5	Protect Cap
	DPR 1555H	DPR 2555H	DPR 3555H	DPR 4555H	DCPR 55
Marking	P 15	P 25	P 35	P 45	–

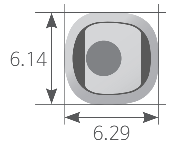
R Post 7.0

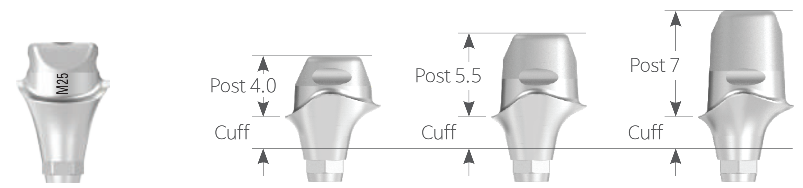
Cuff	1.5	2.5	3.5	4.5	Protect Cap
	DPR 1570H	DPR 2570H	DPR 3570H	DPR 4570H	DCPR 70
Marking	P 15	P 25	P 35	P 45	–

Molar

UFII Angled Abutment_Hex

· Abutment Screw : DASC 2008H (Only compatible with the screw included.)





R Post **4.0**

Unit **mm** I Scale **1 : 1.25**

Cuff	1.5	2.5	3.5	4.5	Protect Cap
					
	DMR **1540H**	DMR **2540H**	DMR **3540H**	DMR **4540H**	DCMR **40**
Marking	M 14	M 24	M 34	M 44	-

R Post **5.5**

Cuff	1.5	2.5	3.5	4.5	Protect Cap
					
	DMR **1555H**	DMR **2555H**	DMR **3555H**	DMR **4555H**	DCMR **55**
Marking	M 15	M 25	M 35	M 45	-

R Post **7.0**

Cuff	1.5	2.5	3.5	4.5	Protect Cap
					
	DMR **1570H**	DMR **2570H**	DMR **3570H**	DMR **4570H**	DCMR **70**
Marking	M 17	M 27	M 37	M 47	-

Protect Cap

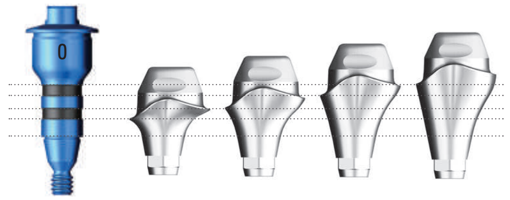
1. Prevention of gingiva creeping
   · Covering of gum in the margin and gingiva retraction
   · Can accurately take impression with widened gum

2. Protection of the patient's tongue
   · Since the protect cap can fall off while biting food with antagonist teeth (sticky food, etc.), be careful not to swallow the cap if fallen.

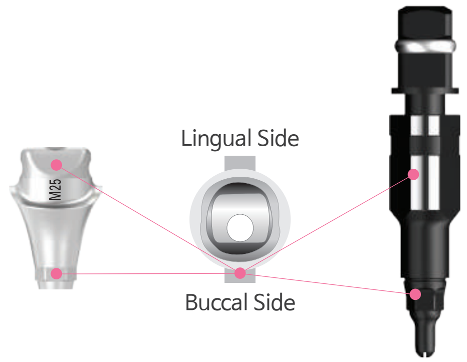
How to check the path

Flapless Surgery

· Surgical Guide Fix (Can check height of the gum)

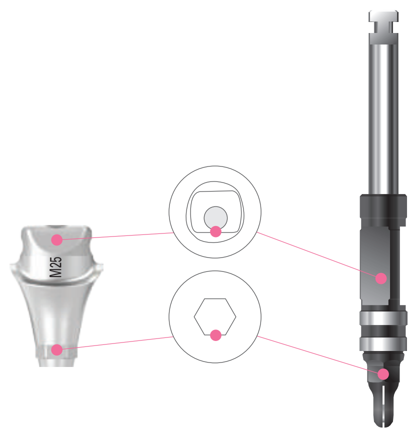


· Setting of hex direction to buccal side when using digital abutment, checking of hex direction using guide sleeve projection
· Can check hex direction using a Guide Sleeve



Flap Surgery

· Setting of hex direction to buccal side when using digital abutment,
· Can check hex direction using a fixture driver

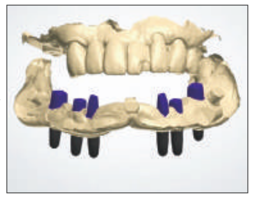


Workflow

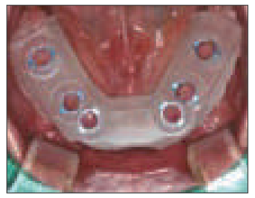
DIOnavi. +
Digital Abutment
(Full Digital)

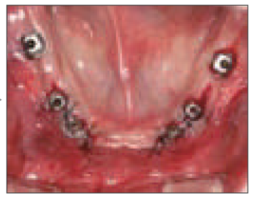
Immediate Restoration

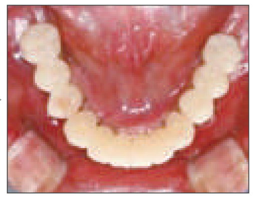

Image collection


Surgey simulation


Design & manufacture


DIOnavi. surgery

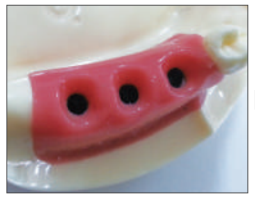

Connection of digital abutment

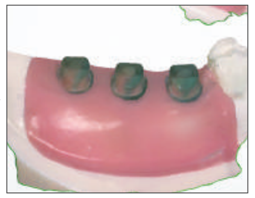

Attachment of abutment jig & protect cap

Method of intra oral scan impression

If oral scan is available

Method of library matching
(3Shape Dental System)


Formation of the gum after implant placement


oral scan after connection of digital abutment


Protect cap or temporary prosthesis (patient returns home)


Library matching

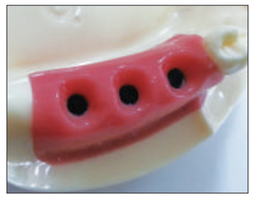

Final crown design


Manufacture of final crown

Method of conventional impression

Scanning after manufacture of model

Method of library matching
(3Shape Dental System)


Formation of the gum after implant placement


Manufacture of abutment level impression taking (DA connection) plaster model


Scanning of model (Oral & Desk Scanner)


Library matching


Final crown design


Manufacture of final crown

H-Scanbody

· Tightening Torque : 5~8Ncm
· Packing uint : H-Scanbody + Screw

UFII Narrow

N D Ø4.0

Unit mm I Scale 1 : 1.25

Length	4	6	8	10	12
	UNHSB 404H	UNHSB 406H	UNHSB 408H	UNHSB 410H	UNHSB 412H
Screw	UNSCAN 1408H	UNSCAN 1410H	UNSCAN 1412H	UNSCAN 1414H	UNSCAN 1416H

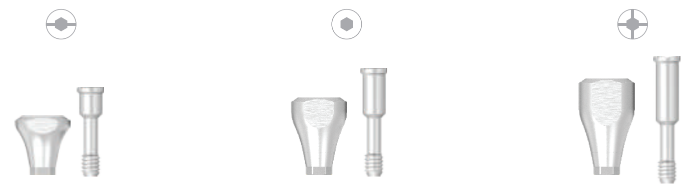
UFII Regular / Wide

R W D Ø5.0

Unit mm I Scale 1 : 1.25

Length	4	6	8
	HSCAN 541H	HSCAN 561H	HSCAN 581H
Screw	SSCAN 2009H	SSCAN 2011H	SSCAN 2013H

R W D Ø6.0



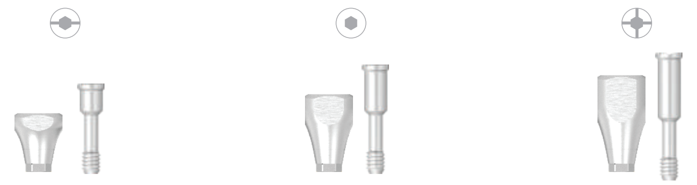
Length	4	6	8
	HSCAN 641H	HSCAN 661H	HSCAN 681H
Screw	SSCAN 2009H	SSCAN 2011H	SSCAN 2013H

H-Scanbody

UFII Regular / Wide

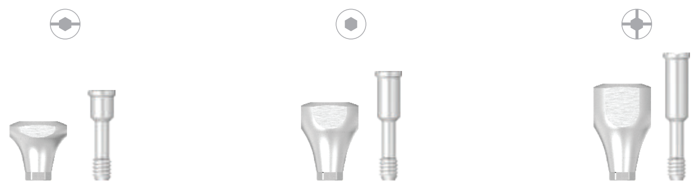
R W D Ø6.0

Unit mm I Scale 1 : 1.25



Length	4	6	8
	HSCAN 642H	HSCAN 662H	HSCAN 682H
Screw	SSCAN 2009H	SSCAN 2011H	SSCAN 2013H

R W D Ø7.0



Length	4	6	8
	HSCAN 741H	HSCAN 761H	HSCAN 781H
Screw	SSCAN 2009H	SSCAN 2011H	SSCAN 2013H

Internal

· H-Scanbody and Fixture Octa direction

N D Ø5.0

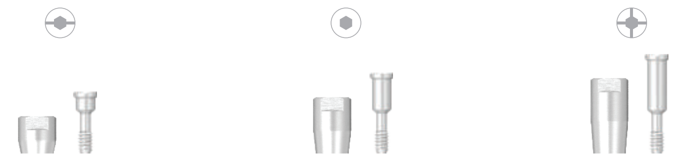
Unit mm I Scale 1 : 1.25

Length	4	6	8
	IHSB 541	IHSB 561	IHSB 581
Screw	SSCAN 2009H	SSCAN 2011H	SSCAN 2013H

FTN External Narrow

F D Ø4.0

Unit mm I Scale 1 : 1.25



Length	4	6	8
	ENHSB 441H	ENHSB 461H	ENHSB 481H
Screw	ESSC 1606H	ESSC 1608H	ESSC 1610H

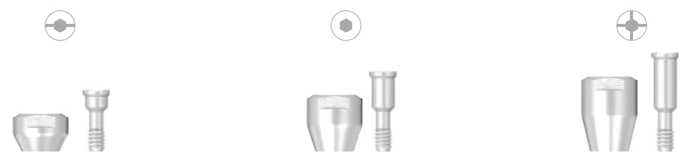
FTN External Regular

F D Ø4.0

Unit mm I Scale 1 : 1.25

Length	4	6	8
	ERHSB 541H	ERHSB 561H	ERHSB 581H
Screw	ESSC 2006H	ESSC 2008H	ESSC 2010H

F D Ø6.0



Length	4	6	8
	ERHSB 641H	ERHSB 661H	ERHSB 681H
Screw	ESSC 2006H	ESSC 2008H	ESSC 2010H

H-Scanbody

FTN External Wide

F D Ø6.0

Unit mm | Scale 1 : 1.25

Length	4	6	8
Screw	EWHSB 641H ESSC 2506H	EWHSB 661H ESSC 2508H	EWHSB 681H ESSC 2510H

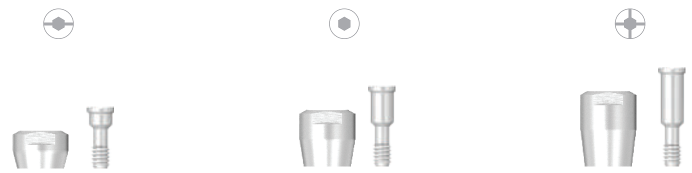
F D Ø7.0

Length	4	6	8
Screw	EWHSB 741H ESSC 2506H	EWHSB 761H ESSC 2508H	EWHSB 781H ESSC 2510H

FTN External T-Wide

F D Ø6.0

Unit mm | Scale 1 : 1.25



Length	4	6	8
Screw	ETHSB 641H ESSC 2006H	ETHSB 661H ESSC 2008H	ETHSB 681H ESSC 2010H

FTN External T-Wide

F D Ø7.0

Unit mm | Scale 1 : 1.25

Length	4	6	8
Screw	ETHSB 741H ESSC 2006H	ETHSB 761H ESSC 2008H	ETHSB 781H ESSC 2010H

H-Scanbody JIG

Unit mm | Scale 1 : 1.25

H-Scanbody Diameter	Ø4.0	Ø5.0	Ø6.0	Ø6.0	Ø7.0
	JIG 401	JIG 501	JIG 601	JIG 602	JIG 701

Scan Adapter

· Manufacture of customized abutment by connecting to the fixture
  in the mouth or lab analog of the plaster model and scanning with an oral scanner or desk scanner
· [H] : Hex / [T] :Torx

UFII Narrow

· Packing Unit : Scan Adapter + Screw
· Tightening Torque : 5~8Ncm

N

Unit mm I Scale 1 : 1.25

Length	9	15	Screw

	SCAN **41**	SCAN **41-15**	UNSAS **1407H**

UFII Regular / Wide

· Packing Unit : Scan Adapter + Screw
· Tightening Torque : 5~8Ncm

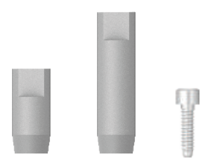
R W

Length	9	15	Screw

	SCAN **01 [H]**	SCAN **01-15 [H]**	SSC **2008H**

FTN External

· Packing Unit : Scan Adapter + Screw
· Tightening Torque : 5~8Ncm



F

Type	Narrow	Regular	Wide	T-Wide
Length 9	SCAN **04 [H]**	SCAN **05 [H]**	SCAN **06 [H]**	SCAN **21 [H]**
15	SCAN **04-15 [H]**	SCAN **05-15 [H]**	SCAN **06-15 [H]**	SCAN **21-15 [H]**
Screw	STN **1608H**	STN **2008H**	STN **2508H**	STN **2008H**

Internal

· Packing Unit : Scan Adapter + Screw
· Tightening Torque : 5~8Ncm

N

Unit mm I Scale 1 : 1.25

Length	9	15	Screw

	SCAN **12 [H]**	SCAN **12-15 [H]**	STN **2008H**

Pre-Milled Bar

· A titanium block with pre-processed connection part,
  used to process the customized abutment using a metal milling machine

UFII Narrow

· Packing Unit : Pre-Milled Bar + Screw (UNSAS 1407H) (2ea)
· Tightening Torque : 20Ncm

N

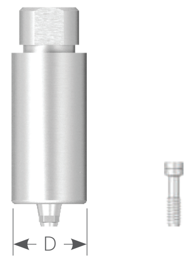
Unit mm I Scale 1 : 1

Type	Hex		Non-Hex	
Diameter	Ø10	Ø12	Ø10	Ø12
	CBUN **01**	CBUN **02**	CBUN **01N**	CBUN **02N**

Pre-Milled Bar

UFII Regular / Wide

· Packing Unit : Pre-Milled Bar + Screw (SSC 2008H) (2ea)
· Tightening Torque : 30~35Ncm



R W

Unit mm I Scale 1 : 1

Type	Hex	
Diameter	Ø10	Ø12
	CBSS **01 [H]**	CBSS **02 [H]**

FTN External

· Packing Unit : Pre-Milled Bar + Screw (SSC 2008H) (2ea)
· Tightening Torque : 30~35Ncm

F **D Ø12**

Unit mm I Scale 1 : 1

Type	Hex	Non-Hex	Screw
Narrow	CBEN **02 [H]**	CBEN **02N [H]**	STN **1608H**
Regular	CBER **02 [H]**	CBER **02N [H]**	STN **2008H**
Wide	CBEW **02 [H]**	CBEW **02N [H]**	STN **2508H**
T-Wide	CBET **02 [H]**	CBET **02N [H]**	STN **2008H**

Internal

· Packing Unit : Pre-Milled Bar + Screw (SSC 2008H) (2ea)
· Tightening Torque : 30~35Ncm

N

Unit mm I Scale 1 : 1

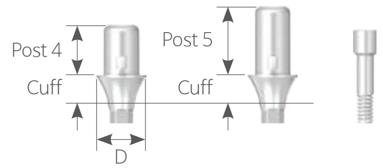
Type	Hex	
Diameter	Ø10	Ø12
	CBSI **01 [H]**	CBSI **02 [H]**

Hybrid Link

· Up to implant platform connection part is made of titanium,
making it easy to produce prosthesis for anterior teeth by cementation the post made of zirconia

UFII Narrow

· Packing Unit : Hybrid Link + Screw (UNSAS1407H)
· Tightening Torque : 20Ncm



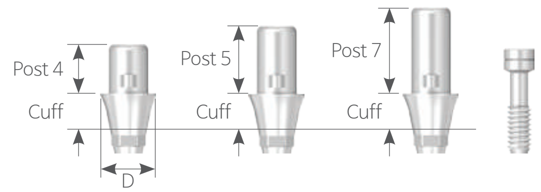
N **D Ø4.0**

Unit mm I Scale 1 : 1.65

Type			Hex
Diameter Ø4.0	Post 4	Cuff 1	UNHL **40401H**
		Cuff 2	UNHL **40402H**
		Cuff 3	UNHL **40403H**
	Post 5	Cuff 1	UNHL **40551H**
		Cuff 2	UNHL **40552H**
		Cuff 3	UNHL **40553H**

UFII Regular / Wide

· Packing Unit : Hybrid Link + Screw (SSC 2008H)
· Tightening Torque : 30~35Ncm



R W

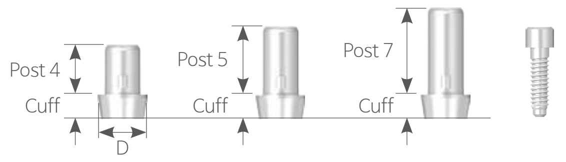
Unit mm I Scale 1 : 1.65

Type			Hex	Non-Hex
Diameter Ø4.5	Post 4	Cuff 1	UFHL **45401H [H]**	UFHL **45401N [H]**
		Cuff 2	UFHL **45402H [H]**	UFHL **45402N [H]**
		Cuff 3	UFHL **45403H [H]**	UFHL **45403N [H]**
	Post 5	Cuff 1	UFHL **45501H [H]**	UFHL **45501N [H]**
		Cuff 2	UFHL **45502H [H]**	UFHL **45502N [H]**
		Cuff 3	UFHL **45503H [H**	UFHL **45503N [H]**
	Post 7	Cuff 1	UFHL **45701H [H]**	UFHL **45701N [H]**
		Cuff 2	UFHL **45702H [H]**	UFHL **45702N [H]**
		Cuff 3	UFHL **45703H [H]**	UFHL **45703N [H]**
Diameter Ø5.5	Post 4	Cuff 1	UFHL **55401H [H]**	UFHL **55401N [H]**
		Cuff 2	UFHL **55402H [H]**	UFHL **55402N [H]**
		Cuff 3	UFHL **55403H [H]**	UFHL **55403N [H]**
	Post 5	Cuff 1	UFHL **55501H [H]**	UFHL **55501N [H]**
		Cuff 2	UFHL **55502H [H]**	UFHL **55502N [H]**
		Cuff 3	UFHL **55503H [H]**	UFHL **55503N [H]**
	Post 7	Cuff 1	UFHL **55701H [H]**	UFHL **55701N [H]**
		Cuff 2	UFHL **55702H [H]**	UFHL **55702N [H]**
		Cuff 3	UFHL **55703H [H]**	UFHL **55703N [H]**

Hybrid Link

FTN External Narrow

· Packing Unit : Hybrid Link + Screw (HSC 1608H)
· Tightening Torque : 30~35Ncm



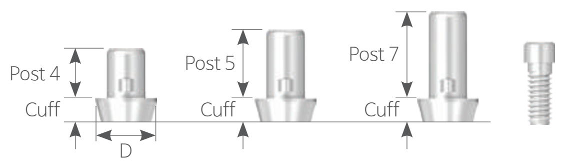
F D Ø4.5

Unit mm I Scale 1 : 1.65

Type			Hex	Non-Hex
Diameter Ø4.5	Post 4	Cuff 1	ENHL 40401H [H]	ENHL 40401N [H]
		Cuff 2	ENHL 40402H [H]	ENHL 40402N [H]
		Cuff 3	ENHL 40403H [H]	ENHL 40403N [H]
	Post 5	Cuff 1	ENHL 40501H [H]	ENHL 40501N [H]
		Cuff 2	ENHL 40502H [H]	ENHL 40502N [H]
		Cuff 3	ENHL 40503H [H]	ENHL 40503N [H]
	Post 7	Cuff 1	ENHL 40701H [H]	ENHL 40701N [H]
		Cuff 2	ENHL 40702H [H]	ENHL 40702N [H]
		Cuff 3	ENHL 40703H [H]	ENHL 40703N [H]

FTN External Regular

· Packing Unit : Hybrid Link + Screw (STN 2008H)
· Tightening Torque : 30~35Ncm



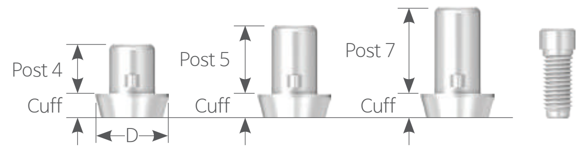
F D Ø5.0

Unit mm I Scale 1 : 1.65

Type			Hex	Non-Hex
Diameter Ø5.0	Post 4	Cuff 1	ERHL 50401H [H]	ERHL 50401N [H]
		Cuff 2	ERHL 50402H [H]	ERHL 50402N [H]
		Cuff 3	ERHL 50403H [H]	ERHL 50403N [H]
	Post 5	Cuff 1	ERHL 50501H [H]	ERHL 50501N [H]
		Cuff 2	ERHL 50502H [H]	ERHL 50502N [H]
		Cuff 3	ERHL 50503H [H]	ERHL 50503N [H]
	Post 7	Cuff 1	ERHL 50701H [H]	ERHL 50701N [H]
		Cuff 2	ERHL 50702H [H]	ERHL 50702N [H]
		Cuff 3	ERHL 50703H [H]	ERHL 50703N [H]

FTN External Wide

· Packing Unit : Hybrid Link + Screw (STN 2008H)
· Tightening Torque : 30~35Ncm



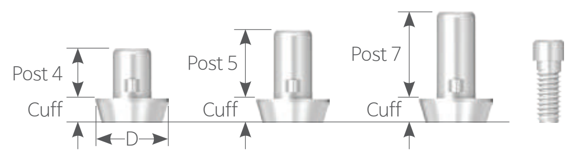
F D Ø6.0

Unit mm I Scale 1 : 1.65

Type			Hex	Non-Hex
Diameter Ø6.0	Post 4	Cuff 1	EWHL 60401H [H]	EWHL 60401N [H]
		Cuff 2	EWHL 60402H [H]	EWHL 60402N [H]
		Cuff 3	EWHL 60403H [H]	EWHL 60403N [H]
	Post 5	Cuff 1	EWHL 60501H [H]	EWHL 60501N [H]
		Cuff 2	EWHL 60502H [H]	EWHL 60502N [H]
		Cuff 3	EWHL 60503H [H]	EWHL 60503N [H]
	Post 7	Cuff 1	EWHL 60701H [H]	EWHL 60701N [H]
		Cuff 2	EWHL 60702H [H]	EWHL 60702N [H]
		Cuff 3	EWHL 60703H [H]	EWHL 60703N [H]

FTN External T-Wide

· Packing Unit : Hybrid Link + Screw (STN 2008H)
· Tightening Torque : 30~35Ncm



F D Ø6.0

Unit mm I Scale 1 : 1.65

Type			Hex	Non-Hex
Diameter Ø6.0	Post 4	Cuff 1	ETHL 60401H [H]	ETHL 60401N [H]
		Cuff 2	ETHL 60402H [H]	ETHL 60402N [H]
		Cuff 3	ETHL 60403H [H]	ETHL 60403N [H]
	Post 5	Cuff 1	ETHL 60501H [H]	ETHL 60501N [H]
		Cuff 2	ETHL 60502H [H]	ETHL 60502N [H]
		Cuff 3	ETHL 60503H [H]	ETHL 60503N [H]
	Post 7	Cuff 1	ETHL 60701H [H]	ETHL 60701N [H]
		Cuff 2	ETHL 60702H [H]	ETHL 60702N [H]
		Cuff 3	ETHL 60703H [H]	ETHL 60703N [H]

DIO

www.dioimplant.com

DIOnavi.

DIOnavi.

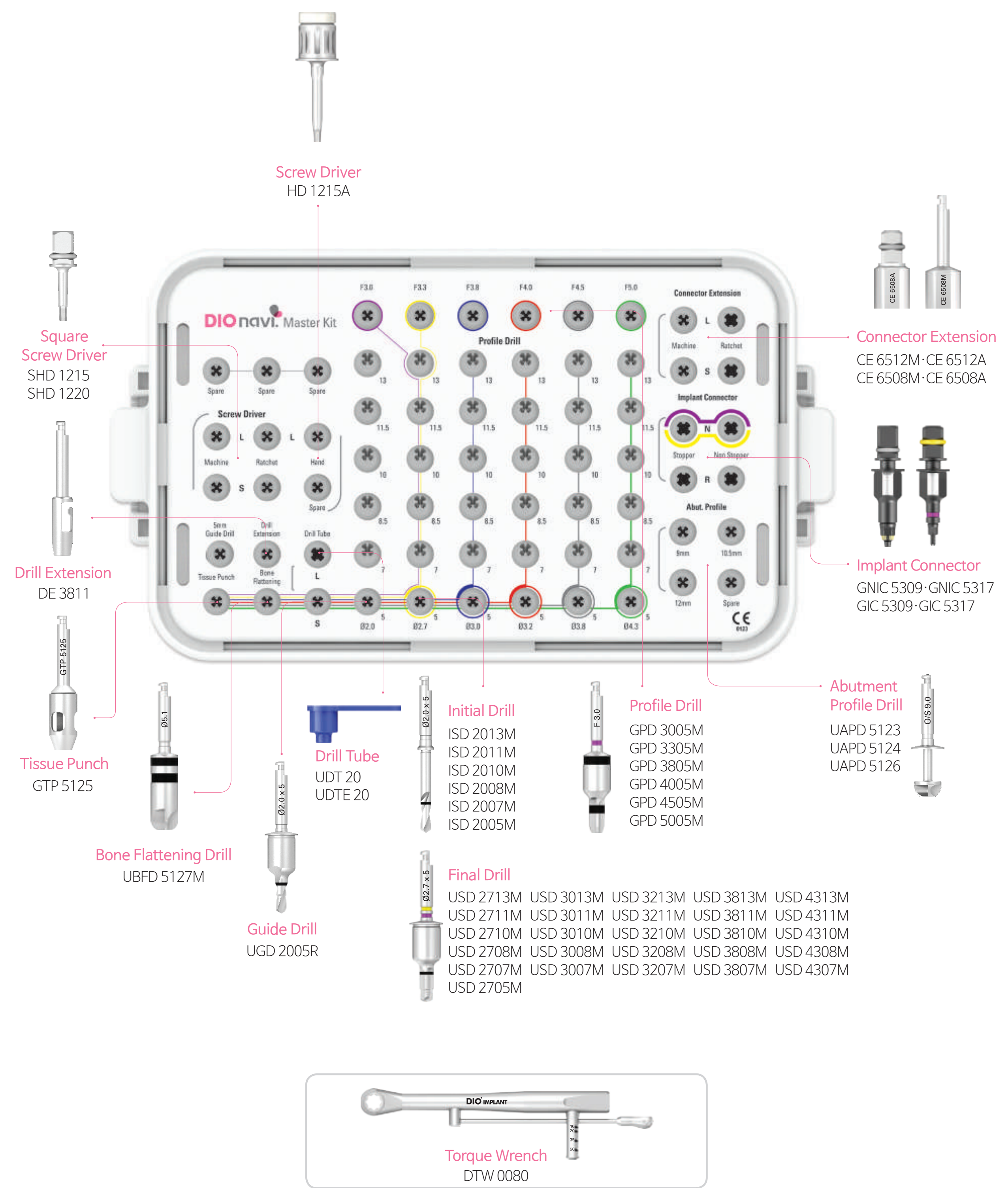
2018 PRODUCT CATALOG

DIOnavi. Master Kit

Kit Code I UF(M) 05

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3 UF(II) Regular Ø3.8 Ø4.0 Ø4.5 Ø5.0 Fixture
· Guide Sleeve : GS 53

Unit mm I Drill Scale 1 : 0.9



Surgical Tool

Tissue Punch

· Gingiva can be removed stably using a fixed blade inside the punch.
(Flapless Surgery)

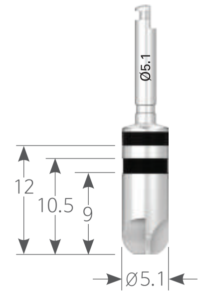
K D Ø3.0

Unit mm I Scale 1 : 1

Code	GTP **5125**

Bone Flattening Drill

· Remaining gingiva is removed for easier drilling,
and irregular alveolar crest is flattened.



K D Ø5.1

Unit mm I Scale 1 : 1

Code	UBFD **5127M**

Guide Drill

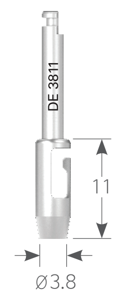
· A hole on the bone is initially formed
on the bone for easier insertion of the initial drill.

K D Ø2.0 Length **5**

Unit mm I Scale 1 : 1

Code	UGD **2005R**

Drill Extension



K D Ø3.8 Length **11**

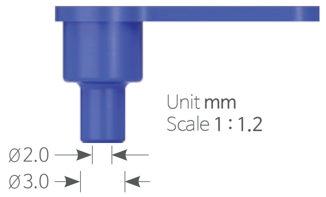
Unit mm I Scale 1 : 1

Code	DE **3811**

Surgical Tool

Drill Tube

· To fix the guide drill and the initial drill without shakage.



● Sold separately

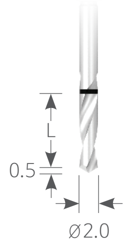
K D Ø2.0

Unit mm | Scale 1 : 1

Code	UDT 20	UDTE 20	UDTL 20

Initial Drill

· A placement hole(osteotomy site) is formed on the cortical bone.

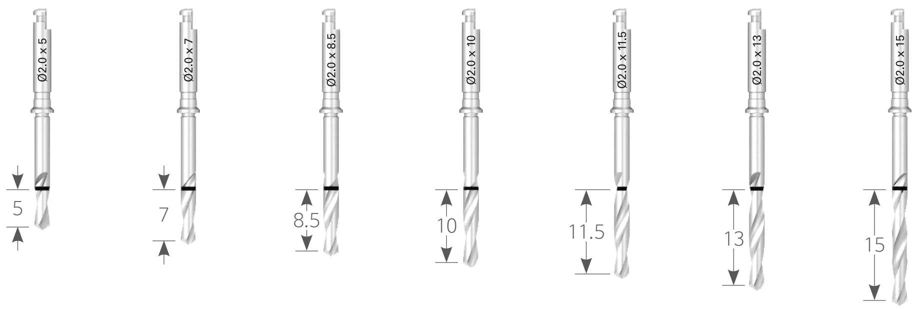


● Sold separately

K D Ø2.0

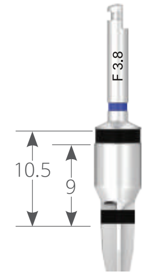
Unit mm | Scale 1 : 1

Code	ISD 2005M	ISD 2007M	ISD 2008M	ISD 2010M	ISD 2011M	ISD 2013M	ISD 2015M



Profile Drill

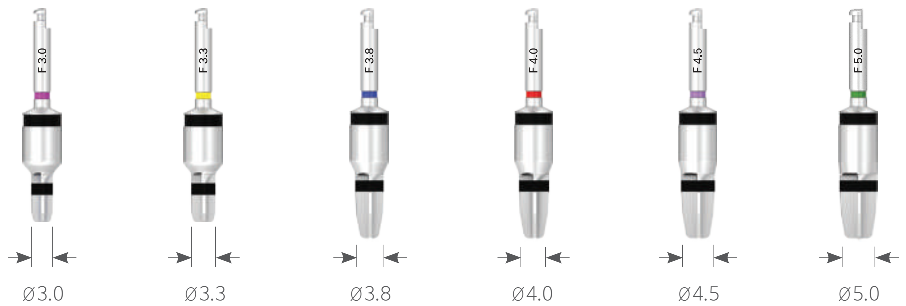
· The cortical bone is further drilled in D1 and D2 bones, and excessive placement torque is prevented.



K

Unit mm | Scale 1 : 1

Code	GPD 3005	GPD 3305	GPD 3805M	GPD 4005M	GPD 4505M	GPD 5005M

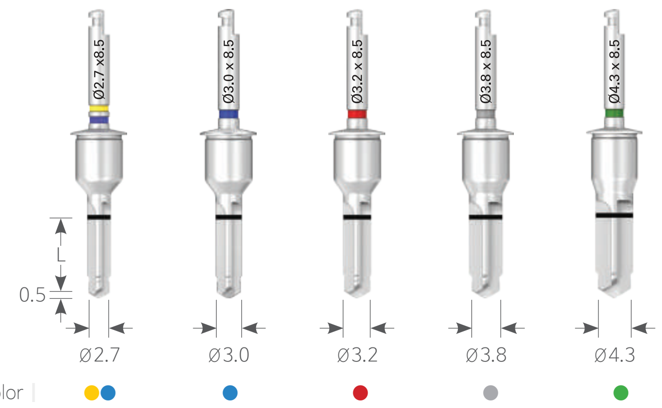


Color						

Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.



Unit mm
Scale 1 : 1.1

● Sold separately

K D Ø2.7 Fixture Ø3.0 Ø3.3

Unit mm I Scale 1 : 1

Code	USD 2705M	USD 2707M	USD 2708M	USD 2710M	USD 2711M	USD 2713M	USD 2715M
Length	5	7	8.5	10	11.5	13	15

K D Ø3.0 Fixture Ø3.8

Unit mm I Scale 1 : 1

Code	USD 3005M	USD 3007M	USD 3008M	USD 3010M	USD 3011M	USD 3013M	USD 3015M
Length	5	7	8.5	10	11.5	13	15

K D Ø3.2 Fixture Ø4.0

Unit mm I Scale 1 : 1

Code	USD 3205	USD 3207M	USD 3208M	USD 3210M	USD 3211M	USD 3213M	USD 3215M
Length	5	7	8.5	10	11.5	13	15

K D Ø3.8 Fixture Ø4.5

Unit mm I Scale 1 : 1

Code	USD 3805	USD 3807M	USD 3808M	USD 3810M	USD 3811M	USD 3813M	USD 3815M
Length	5	7	8.5	10	11.5	13	15

K D Ø4.3 Fixture Ø5.0

Unit mm I Scale 1 : 1

Code	USD 4305	USD 4307M	USD 4308M	USD 4310M	USD 4311M	USD 4313M	USD 4315M
Length	5	7	8.5	10	11.5	13	15

Surgical Tool

Tap Drill

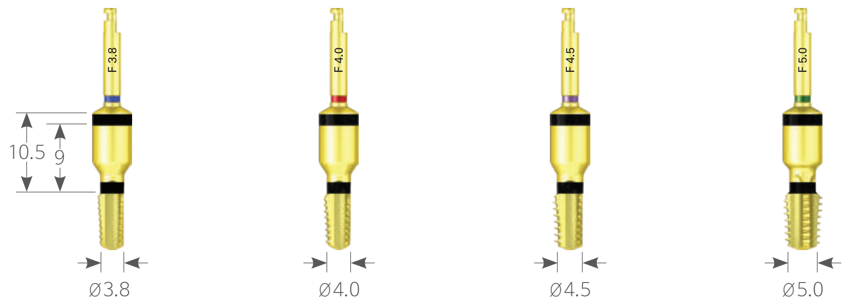
· Excessive implant placement torque is prevented.

● Sold separately

K

Unit mm | Scale 1 : 1

Code	GNTD 3815	GNTD 4015	GNTD 4515	GNTD 5015



Color

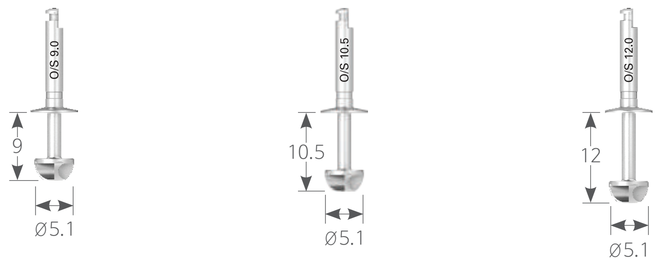
Abutment Profile Drill

· The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K D Ø5.1

Unit mm | Scale 1 : 1

Code	UAPD 5123	UAPD 5124	UAPD 5126



Implant Connector

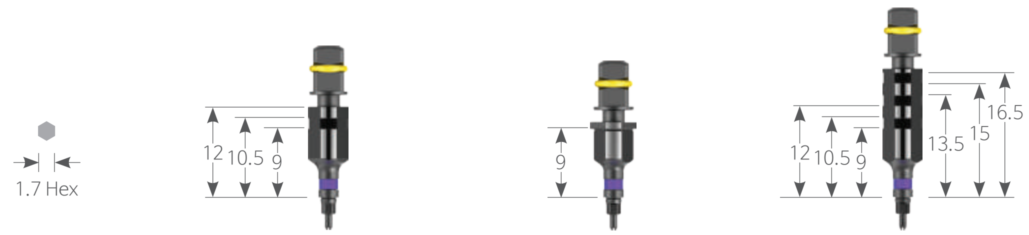
· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
· Recommended use of UF(II) Narrow : 20 times / Be careful about excessive torque of 50Ncm or above.

● Sold separately

K UFⅡ Narrow

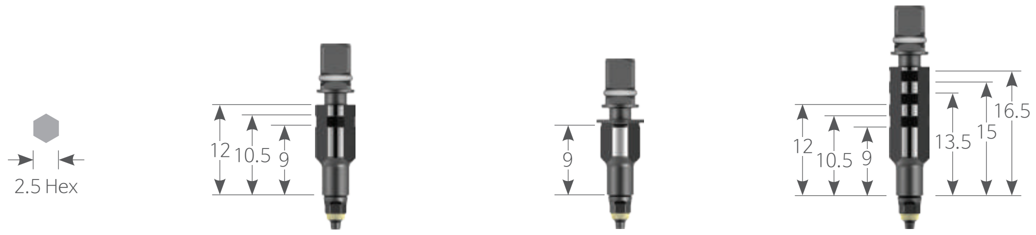
Unit mm | Scale 1 : 1

Code	GNIC 5309	GNIC 5309ST	GNIC 5317
Type	Non-Stopper	Stopper	Multi



K UFⅡ Regular

Code	GIC 5309	GIC 5309ST	GIC 5317
Type	Non-Stopper	Stopper	Multi



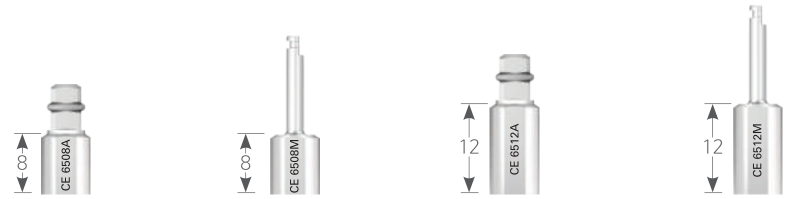
Connector Extension

· Length of the connector is extended during implant placement.

K

Unit mm | Scale 1 : 1

Code	CE 6508A	CE 6508M	CE 6512A	CE 6512M
Type	Ratchet	Machine	Ratchet	Machine



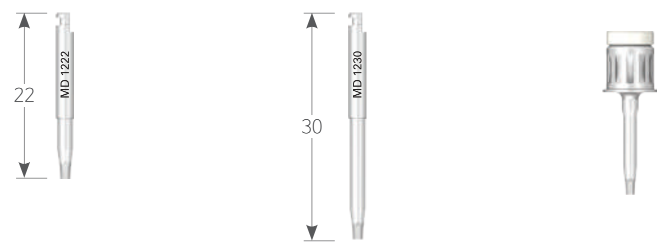
Surgical Tool

Screw Driver

K

Unit mm I Scale 1 : 1

Code	MD 1222	MD 1230	HD 1215A
Type	Machine	Machine	Ratchet



Sqaure Screw Driver

K

Unit mm I Scale 1 : 1

Code	SHD 1215	SHD 1220

Torque Wrench

· To place the fixture using an implant connector

K

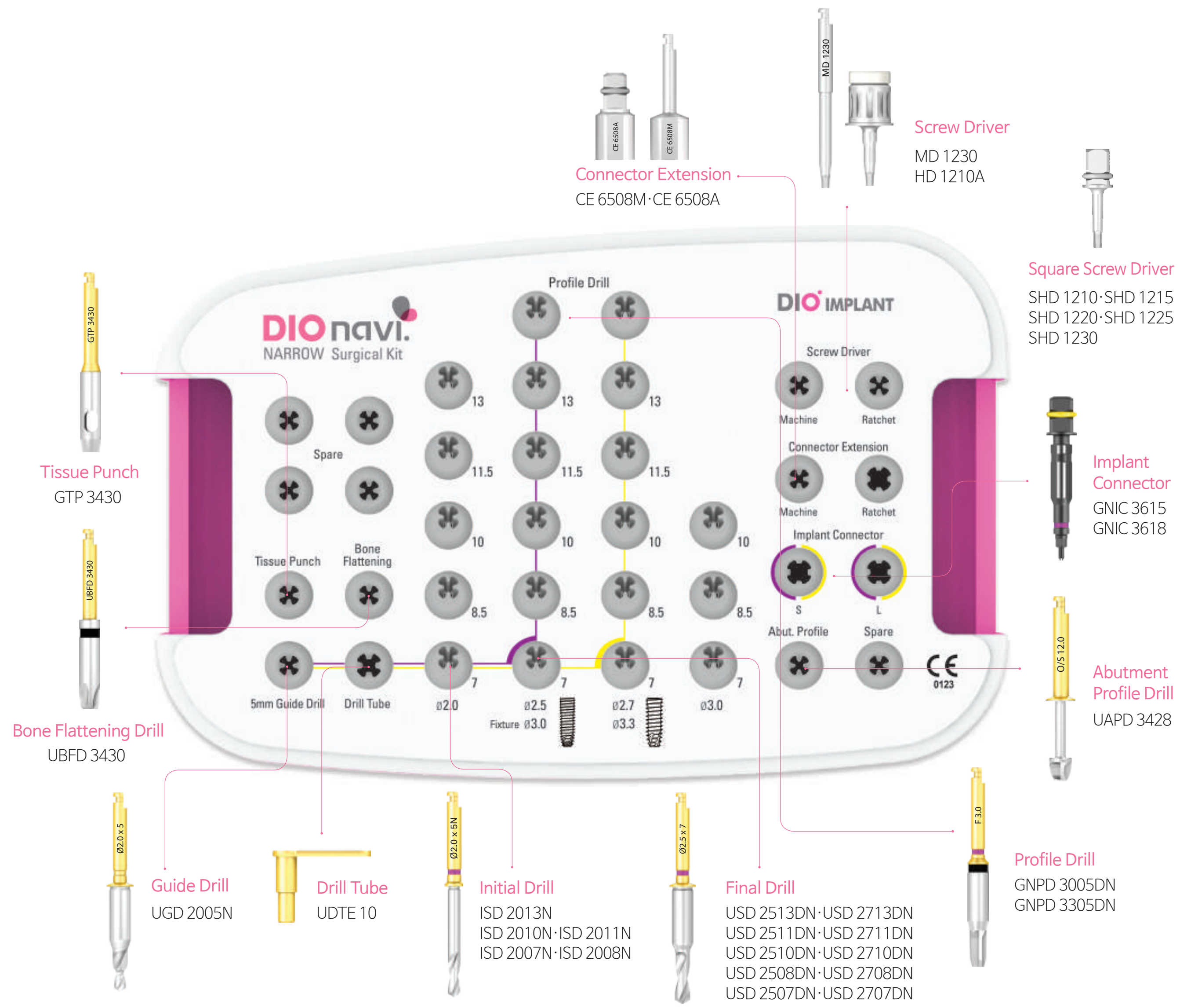
Code	DTW 0080

DIOnavi. Narrow Kit

Kit Code I UF14

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Narrow Ø3.0 Ø3.3 Fixture
· Guide Sleeve : GSL 36, GS36

Unit mm I Drill Scale 1 : 0.9

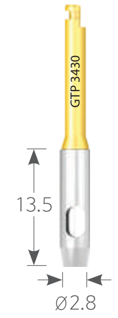


Torque Wrench
DTW 0080

Surgical Tool

Tissue Punch

· Gingiva in the position of implant placement is incised into a round shape, and the inner double blade is used to remove the gum tissue cut into round shape.



Gingiva can be removed stably using a fixed double blade inside the punch (flapless surgery).

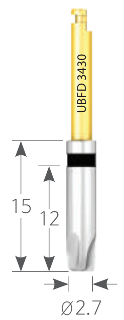
K D Ø2.8

Unit mm | Scale 1 : 1.15

Code	GTP **3430**

Bone Flattening Drill

· Alveolar crest surface is flattened, and soft tissue remaining in the alveolar crest is removed after using the tissue punch.



A triple plade is used for stable drilling of the hard alveolar ridge.

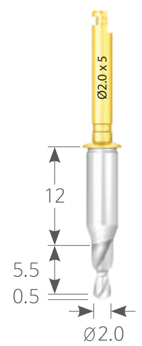
K D Ø2.7

Unit mm | Scale 1 : 1.15

Code	UBFD **3430**

Guide Drill

· A hole in the bone is initially formed on the bone for easier insertion of the initial drill.



Stable drilling can be done due to short double step drill. This is a basic drill to maintain the accuracy of the path.

K D Ø2.0

Unit mm | Scale 1 : 1.15

Code	UGD **2005N**

Initial Drill

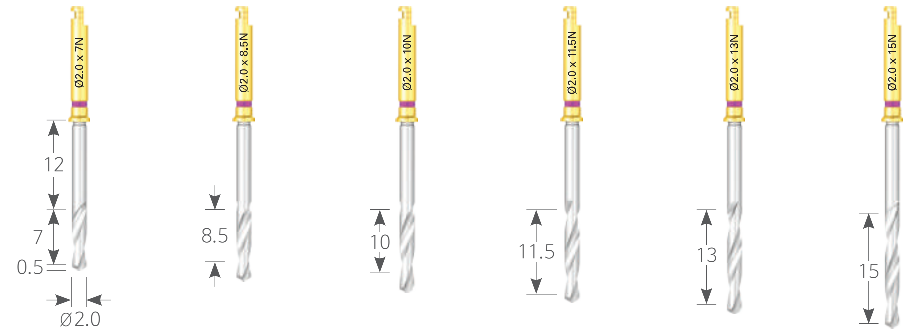
· It secures accurate depth and direction of drilling performed after achieving accurate hole formation during the initial steps.

● Sold separately

K D Ø2.0

Unit mm | Scale 1 : 1

Code	ISD **2007N**	ISD **2008N**	ISD **2010N**	ISD **2011N**	ISD **2013N**	ISD **2015N**



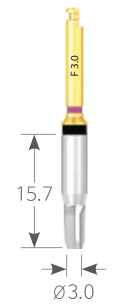
Profile Drill

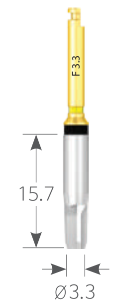
· Used to further drill cortical bone in the mandible with bone density of D1 or D2 for the purpose of preventing excessive torque.

K

Unit mm | Scale 1 : 1

Fixture Size	Ø3.0	Ø3.3
Code	GNPD **3005DN**	GNPD **3305DN**





Color

Surgical Tool

Final Drill

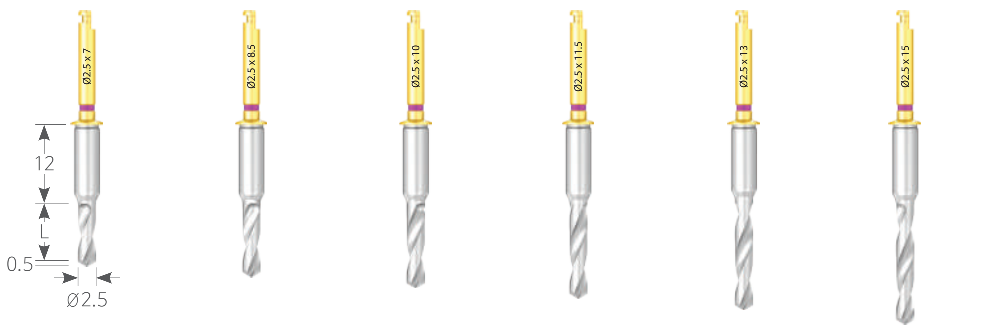
· Drilling is done by moving down along the passage of leading drill without using a drill tube, while increasing drill size (diameter) according to implant size.

● Sold separately

K **D Ø2.5**

Unit mm I Scale 1 : 1

Code	USD 2507DN	USD 2508DN	USD 2510DN	USD 2511DN	USD 2513DN	USD 2515DN
Length	7	8.5	10	11.5	13	15



K **D Ø2.7**

Code	USD 2707DN	USD 2708DN	USD 2710DN	USD 2711DN	USD 2713DN	USD 2715DN
Length	7	8.5	10	11.5	13	15

K **D Ø3.0**

Code	USD 3007DN	USD 3008DN	USD 3010DN	USD 3011DN
Length	7	8.5	10	11.5

Screw Driver Machine

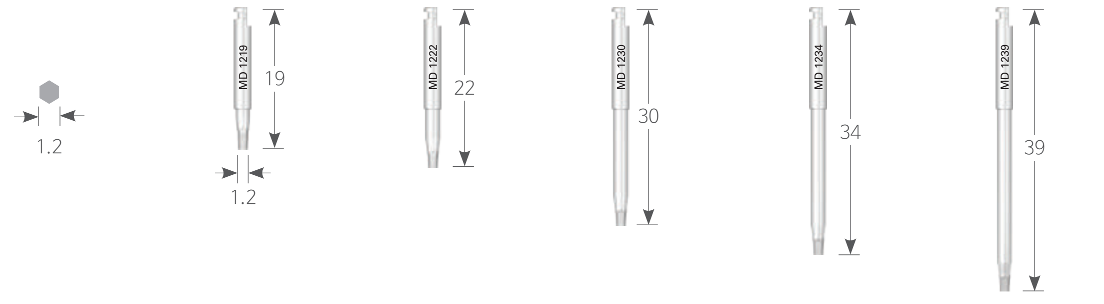
· Used to connect the abutment screw (for handpiece) using an abutment screw driver for ratchet.

● Sold separately

K Hex 1.2

Unit mm I Scale 1 : 1

Code	MD 1219	MD 1222	MD 1230	MD 1234	MD 1239



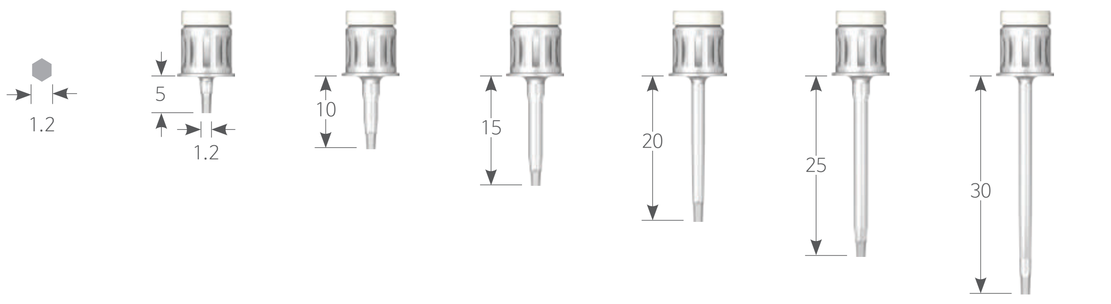
Screw Driver Ratchet

● Sold separately

K Hex 1.2

Unit mm I Scale 1 : 1

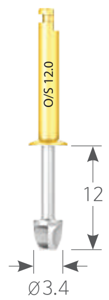
Code	HD 1205A	HD 1210A	HD 1215A	HD 1220A	HD 1225A	HD 1230A



Surgical Tool

Abutment Profile Drill

· Shape of abutment profile is formed by rotating the functional drill 360 degrees which removes the disruptive alveolar bone around the abutment or H-scan body.



K D Ø3.4

Unit mm I Scale 1 : 1.15

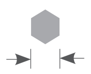
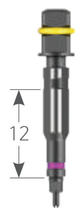
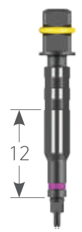
Code	UAPD 3428

Implant Connector

· If depth of placement and position of fixture hexagon are aligned with the guide sleeve projection during placement of the fixture, it is aligned with hex direction of the premade customized abutment.

K Hex 1.7

Unit mm I Scale 1 : 1

Code	GNIC 3615	GNIC 3618
 1.7	 12	 12
Type	Short	Long

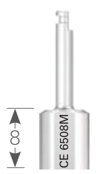
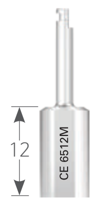
Connector Extension

· Length of the connector is extended during implant placement.

● Sold separately

K

Unit mm I Scale 1 : 1.2

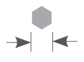
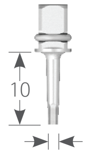
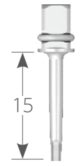
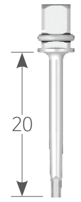
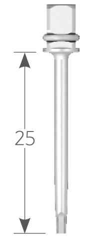
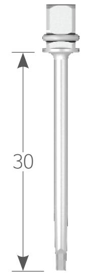
Code	CE 6508A	CE 6508M	CE 6512A	CE 6512M
	 8	 8	 12	 12
Type	Ratchet	Machine	Ratchet	Machine

Square Screw Driver

● Sold separately

K Hex 1.2

Unit mm I Scale 1 : 1

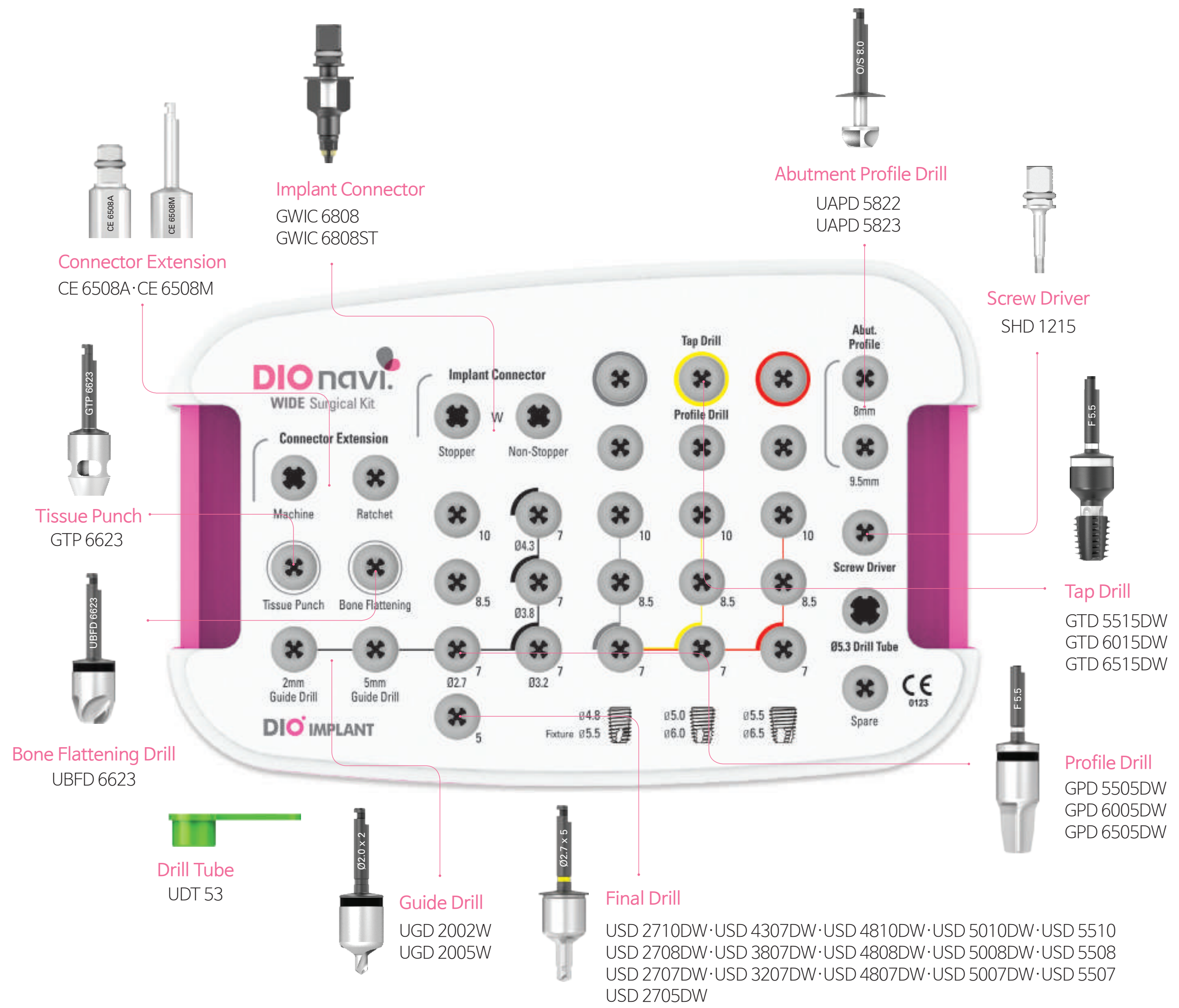
Code	SHD 1210	SHD 1215	SHD 1220	SHD 1225	SHD 1230
 1.2	 10, 1.2	 15	 20	 25	 30

DIOnavi. Wide Kit

Kit Code | UF 11

· Kit composed of drill with outstanding cutting force and durability, etc.
· UF(II) Wide Ø5.5 Ø6.0 Ø6.5 Fixture
· Guide Sleeve : GS 68GN

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Tissue Punch

· Gingiva can be removed stably using a fixed blade inside the punch (flapless surgery).

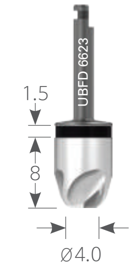
K D Ø4.5

Unit mm | Scale 1 : 1.15

Code	GTP **6623**

Bone Flattening Drill

· Irregular alveolar crest surface is flattened.



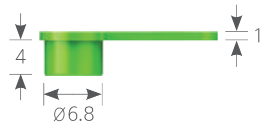
K D Ø4.0

Unit mm | Scale 1 : 1.15

Code	UBFD **6623**

Drill Tube

· Used for drilling of the guide drill and initial drill without oscillation



K D Ø6.8

Unit mm | Scale 1 : 1.2

Code	UDT **53**

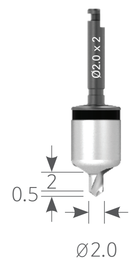
Guide Drill

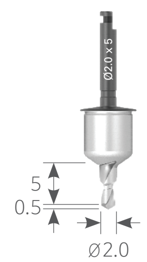
· A hole is initially formed on the bone for easier insertion of the initial drill.

K D Ø2.0

Unit mm | Scale 1 : 1

Code	UGD **2002W**	UGD **2005W**





Surgical Tool

Final Drill

· The drill hole is expanded to the final drilling.

Color |

Unit mm
Scale 1 : 1.15

K D Ø2.7

Unit mm I Scale 1 : 1

Code	USD 2705DW	USD 2707DW	USD 2708DW	USD 2710DW
				
Length	5	7	8.5	10

K Length 7

Unit mm I Scale 1 : 1

Code	USD 3207DW	USD 3807DW	USD 4307DW
			
Diameter	Ø3.2	Ø3.8	Ø4.3

K D Ø4.8 Fixture Ø5.5

Unit mm I Scale 1 : 1

Code	USD 4807DW	USD 4808DW	USD 4810DW
			
Length	5	7	8.5

K D Ø5.0 Fixture Ø6.0

Unit mm I Scale 1 : 1

Code	USD 5007DW	USD 5008DW	USD 5010DW
			
Length	5	7	8.5

K D Ø5.5 Fixture Ø6.5

Unit mm I Scale 1 : 1

Code	USD 5507DW	USD 5508DW	USD 5510DW
			
Length	5	7	8.5

Surgical Tool

Profile Drill

· Used to further drill cortical bone in the mandible with bone density of D1 or D2
for the purpose of preventing excessive torque

K

Unit mm I Scale 1 : 1

Fixture Size	Ø5.5	Ø6.0	Ø6.5
Code	GPD 5505DW	GPD 6005DW	GPD 6505DW

Color	○	●	●

Tap Drill

· Excessive implant placement torque is prevented.

K

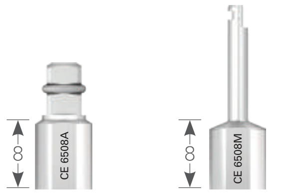
Unit mm I Scale 1 : 1

Fixture Size	Ø5.5	Ø6.0	Ø6.5
Code	GTD 5515DW	GTD 6015DW	GTD 6515DW

Color	○	●	●

Connector Extension

· Length of the connector is extended during implant placement.



Ratchet Machine

K

Unit mm I Scale 1 : 1.2

Code	CE 6508A	CE 6508M
Type	Ratchet	Machine

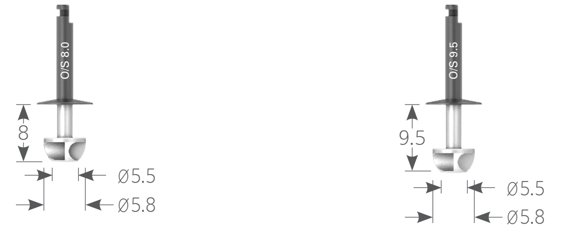
Abutment Profile Drill

· The cortical bone disrupting sitting of the abutment is removed, and emergence profile is formed.

K D Ø5.5

Unit mm I Scale 1 : 1

Code	UAPD 5822	UAPD 5823



Offset	8	9.5

Implant Connector

· Implant is placed according to depth of the fixture and direction of the internal hex planned in advance.
· Recommended use of UF(II) narrow: 20 times / Be careful about excessive torque of 50Ncm or above.

K

Unit mm I Scale 1 : 1

Code	GWIC 6808ST	GWIC 6808

Type	Stopper Type	Non-Stopper Type
Offset	8	-

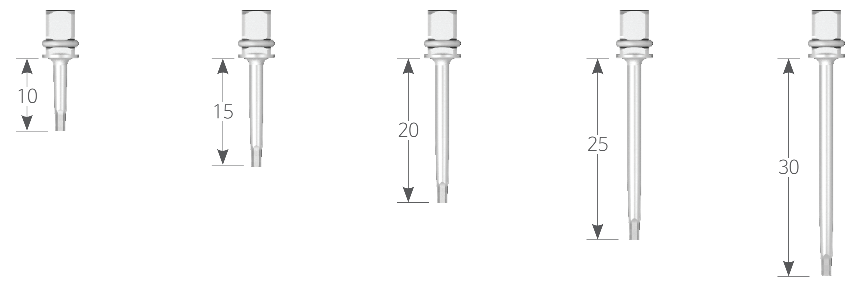
Screw Driver

● Sold separately

K Hex 1.2

Unit mm I Scale 1 : 1

Code	SHD 1210	SHD 1215	SHD 1220	SHD 1225	SHD 1230

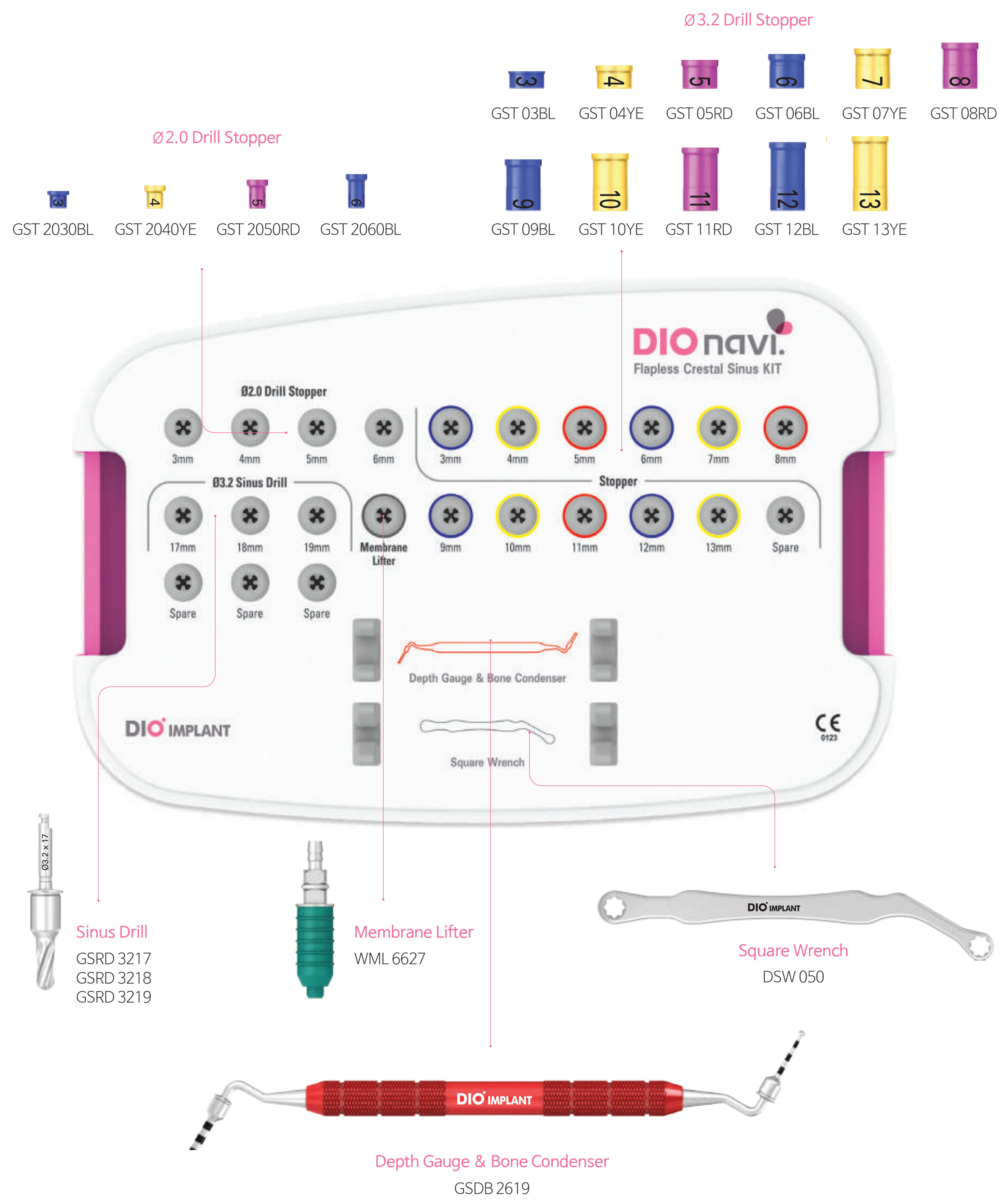


DIOnavi. Flapless Crestal Sinus Kit

Kit Code | SMK 02

· Exclusive kit for edentulous cases

Unit mm | Drill Scale 1 : 0.9



Surgical Tool

Ø2.0 Drill Stopper

· This is used to connect to the Ø2.0 initial drill of DIOnavi. Master to maintain constant depth during surgery.
· Range of length is 3~6mm with 1mm interval and anodizing and laser marking are done for each length.

K D Ø2.9 — Unit mm | Scale 1 : 1

Code	GST 2030BL	GST 2040YE	GST 2050RD	GST 2060BL

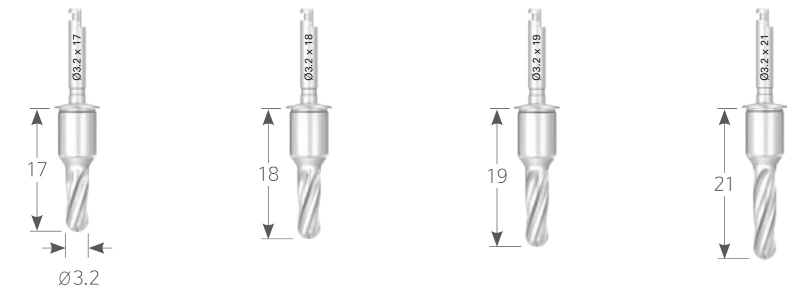
Sinus Drill

· Dome shaped tip is designed to prevent damaging of the membrane during drilling.
· Depth must be adjusted using a stopper.
· Non-irrigation and low-speed drilling (100rpm)

● Sold separately

K D Ø3.2 — Unit mm | Scale 1 : 1

Code	GSRD 3217	GSRD 3218	GSRD 3219	GSRD 3221

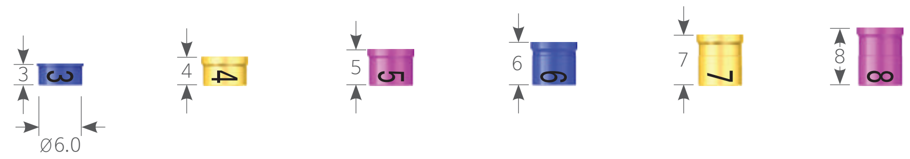


Ø3.0 Drill Stopper For crestal approach

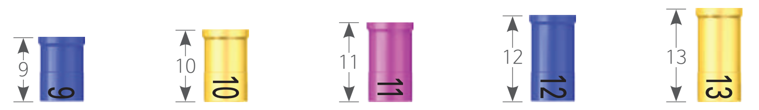
· This is used by connecting to the Ø3.2 round drill of Flapless Crestal Sinus Kit.
· Range of length is 3~13mm with 1mm interval to maintain constant depth during surgery.
Anodizing and laser marking are done for each length.

K D Ø6.0 — Unit mm | Scale 1 : 1

Code	GST 03BL	GST 04YE	GST 05RD	GST 06BL	GST 07YE	GST 08RD



Code	GST 09BL	GST 10YE	GST 11RD	GST 12BL	GST 13YE

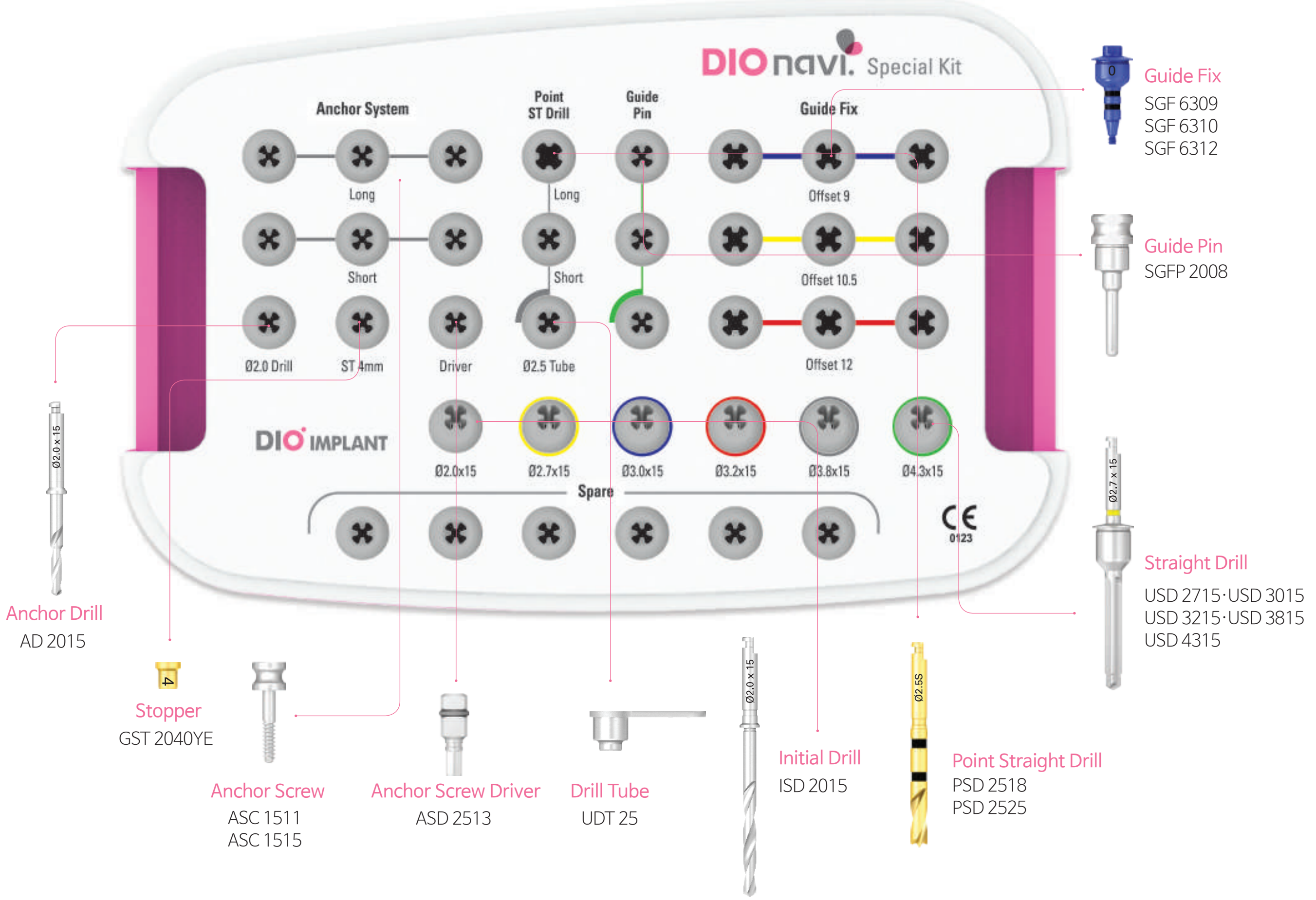


DIOnavi. Special Kit

Kit Code I SGF 02

· Kit composed of drill with outstanding cutting force and durability, etc.

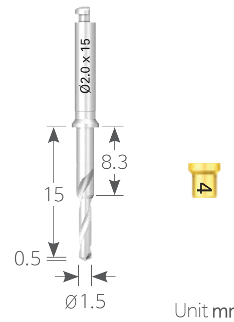
Unit mm I Drill Scale 1 : 0.9



Surgical Tool

Anchor Drill

· A hole is formed to insert an anchor pin into the bone for the purpose of fixating the surgical guide.



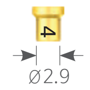
K D Ø1.5

Unit mm I Scale 1 : 1.15

Code	AD 2015

Stopper

· This is used when connecting to the Ø2.0 initial drill. Constant depth is maintained during surgery.



K D Ø2.9

Unit mm I Scale 1 : 1.2

Code	GST 2040YE

Anchor Screw

· Used to connect the anchor screw using an anchor screw driver for ratchet

K D Ø2.0

Unit mm I Scale 1 : 1.2

Code	ASC 1511	ASC 1515

Anchor Screw Driver

· Used to connect the anchor screw using an anchor screw driver for ratchet

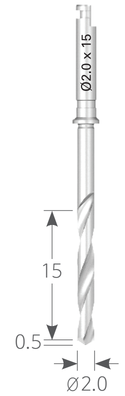
K Hex 2.42

Unit mm I Scale 1 : 1.15

Code	ASD 2513

Surgical Tool

Initial Drill



K D Ø2.0

Unit mm I Scale 1 : 1.15

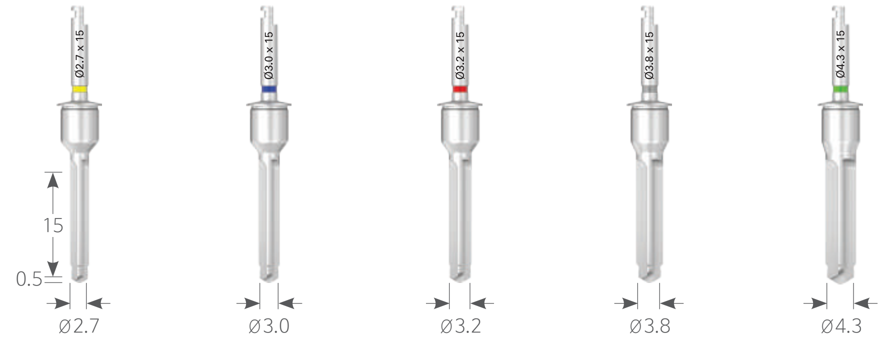
Code	ISD 2015

Straight Drill

K Length 15

Unit mm I Scale 1 : 1

Code	USD 2715	USD 3015	USD 3215	USD 3815	USD 4315



Color

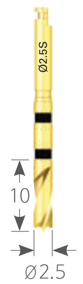
Point Straight Drill

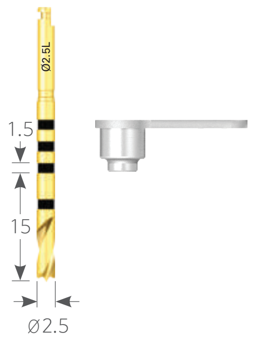
· Use of a drill tube (UDT 25) exclusive for the instrument (with a shape that prevents slipping on the bone) to form the guide hole in accurate position

K D Ø2.5

Unit mm I Scale 1 : 1

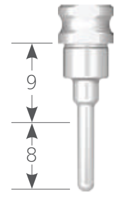
Code	PSD 2518	PSD 2525





Surgical Guide Fix Pin

· Used after Ø2.0 drilling to insert a surgical guide fix pin into the hole to fix the surgical guide in place and prevent shaking (side shaking is prevented after fixing)



K

Unit mm I Scale 1 : 1.15

Code	SGFP 2008

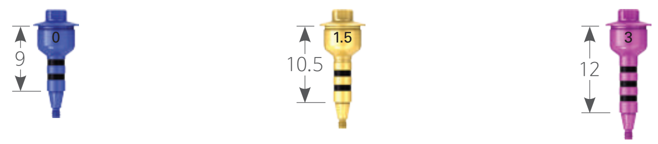
Surgical Guide Fix

· Used to fix the surgical guide in place and prevent movement by connecting to the fixture placed earlier (side shaking is prevented after fixing)

K

Unit mm I Scale 1 : 1

Code	SGF 6309	SGF 6310	SGF 6312
Offset	9	10.5	12



DIO

www.dioimplant.com

SURGICAL KIT

SURGICAL KIT

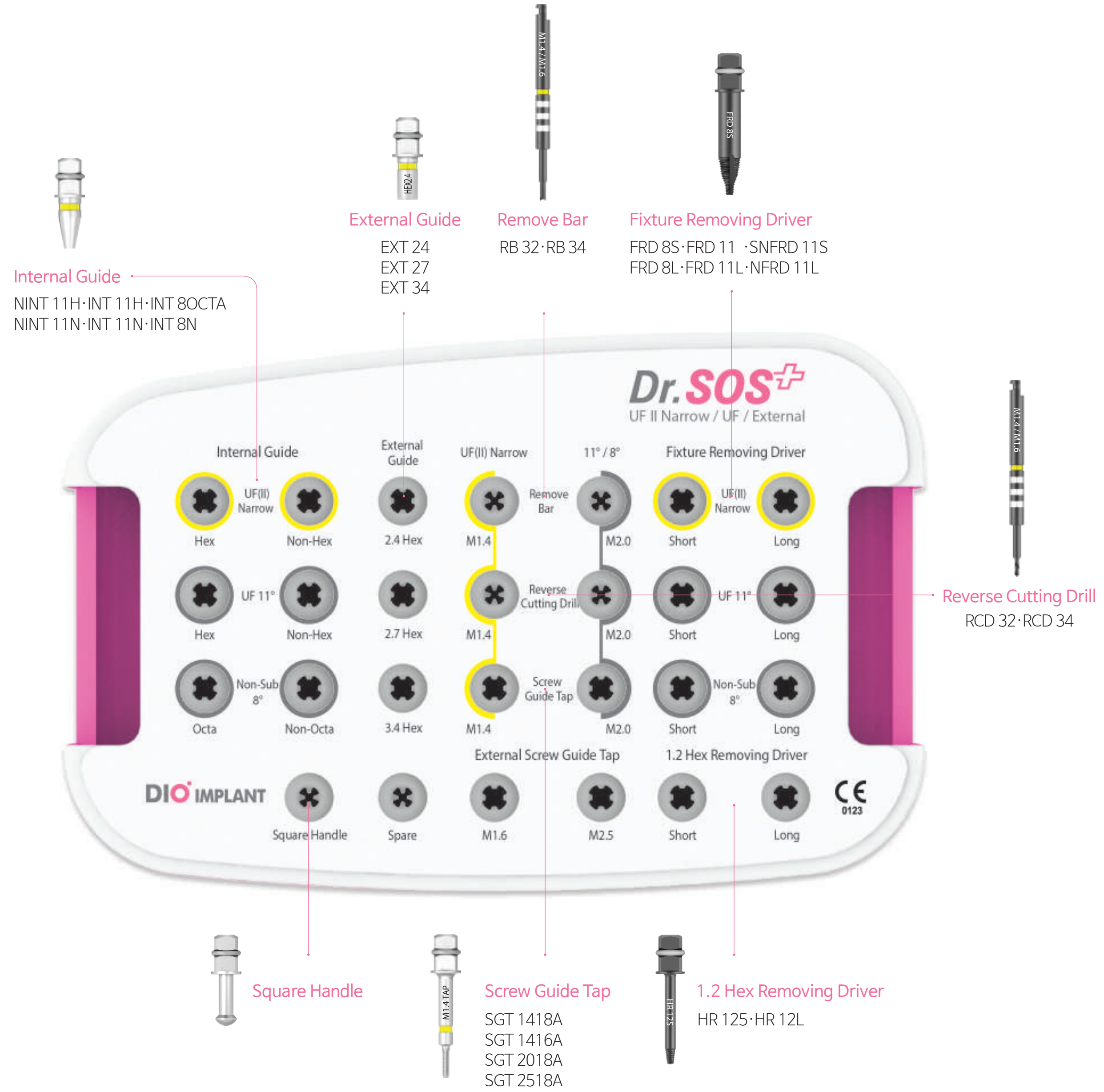
2018 PRODUCT CATALOG

Dr.SOS Kit

Kit Code | DRS 02

· Problems like fracture of screw from excessive torque, wearing of connections, and jamming of foreign matters during prosthetic part of implant installation are resolved safely and quickly.

Unit mm | Drill Scale 1 : 0.9



Square Wrench
DSW 050

Surgical Tool

Internal Guide

· Guide for accurate entry of the Remove Bar and Reverse Cutting Drill into the fixture

K UFⅡ Narrow

Unit mm | Scale 1 : 1

Code	NINT **11H**	NINT **11N**
		
Type	Hex	Non-Hex

K UFⅡ Regular / Wide

Code	INT **11H**	INT **11N**
		
Type	Hex	Non-Hex

K Non-Sub. 8˚

Code	INT **8Octa**	INT **8N**
		
Type	Octa	Non-Octa

External Guide

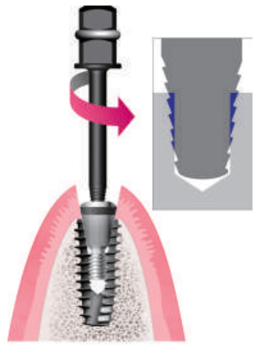
K Hex

Unit mm | Scale 1 : 1

Code	EXT **24**	EXT **27**	EXT **34**
			
	2.4	2.7	3.4

Surgical Tool

Fixture Removing Driver



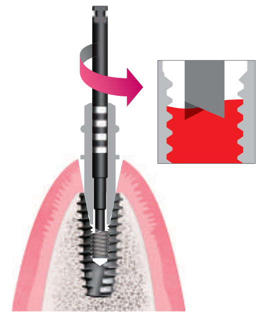
· When the fixture placed inside the mouth needs to be removed, a removing driver is connected to the fixture and friction force from reverse rotation is used to remove the fixture.
· A removing driver is connected to the conical joint inside the fixture and rotated in reverse.

K

Unit **mm** | Scale **1 : 1**

Fixture Size	UFII Narrow · External NF		UFII Regular · Wide		ISF · SM · IFI	
Code	NFRD **11S**	NFRD **11L**	FRD **11S**	FRD **11L**	FRD **8S**	FRD **8L**
						
Type	Short	Long	Short	Long	Short	Long

Remove Bar



· By attaching the end blade of the bar to the cross section of the fractured screw remains, remove the remains in a reverse rotation by friction

※ Drill Speed : 50~60rpm / Reverse rotation

K

Unit **mm** | Scale **1 : 1**

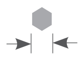
Code	RB **32**	RB **34**
		
Type	M1.4 / 1.6	M2.0 / 2.5

1.2 Hex Removing Driver

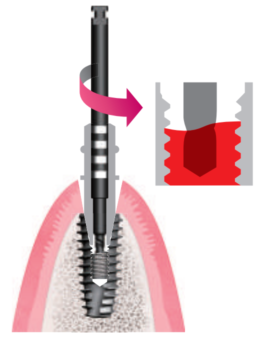
· When it is difficult to connect a 1.2 hex driver due to jamming of foreign matter in the 1.2 hex connection part and deformations such as wearing of screw thread, the abutment / screw is removed using frictional force created by reverse rotation of the removing driver.
· The removing driver is sufficiently pressed down during reverse rotation to prevent idling.

K Hex **1.2**

Unit **mm** | Scale **1 : 1**

Code	HR **12S**	HR **12L**
 1.2		

Reverse Cutting Drill



· After inserting the end blade of the cutting drill in the fractured screw remains, remove the remains in a reverse rotation by friction.
· When it is difficult to remove with a reverse cutting drill, remove the screw remains by inserting a 1.2 hex removing driver on the hole formed on the screw remains and drilling in a reverse rotation

※Drill Speed : 1,200RPM / Reverse rotation
※In order to prevent high heat generation, osteotomy irrigation is necessary.

K

Unit **mm** | Scale **1 : 1**

Code	RCD **32**	RCD **34**
		
Type	M1.4 / 1.6	M2.0 / 2.5

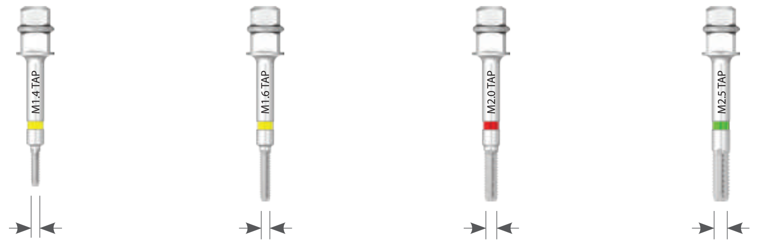
Surgical Tool

Screw Guide Tap

· This restores the screw thread when it is difficult to connect the screw due to screw deformation by jammed debris between the connection, or thread abrasion.
· Use a square handle by hand. Do not use a square wrench.

K UFⅡ Narrow / External Narrow — Unit mm | Scale 1 : 1

Code	SGT 1418A	SGT 1416A	SGT 2018A	SGT 2518A
	Ø1.4	Ø1.6	Ø2.0	Ø2.5
Color				

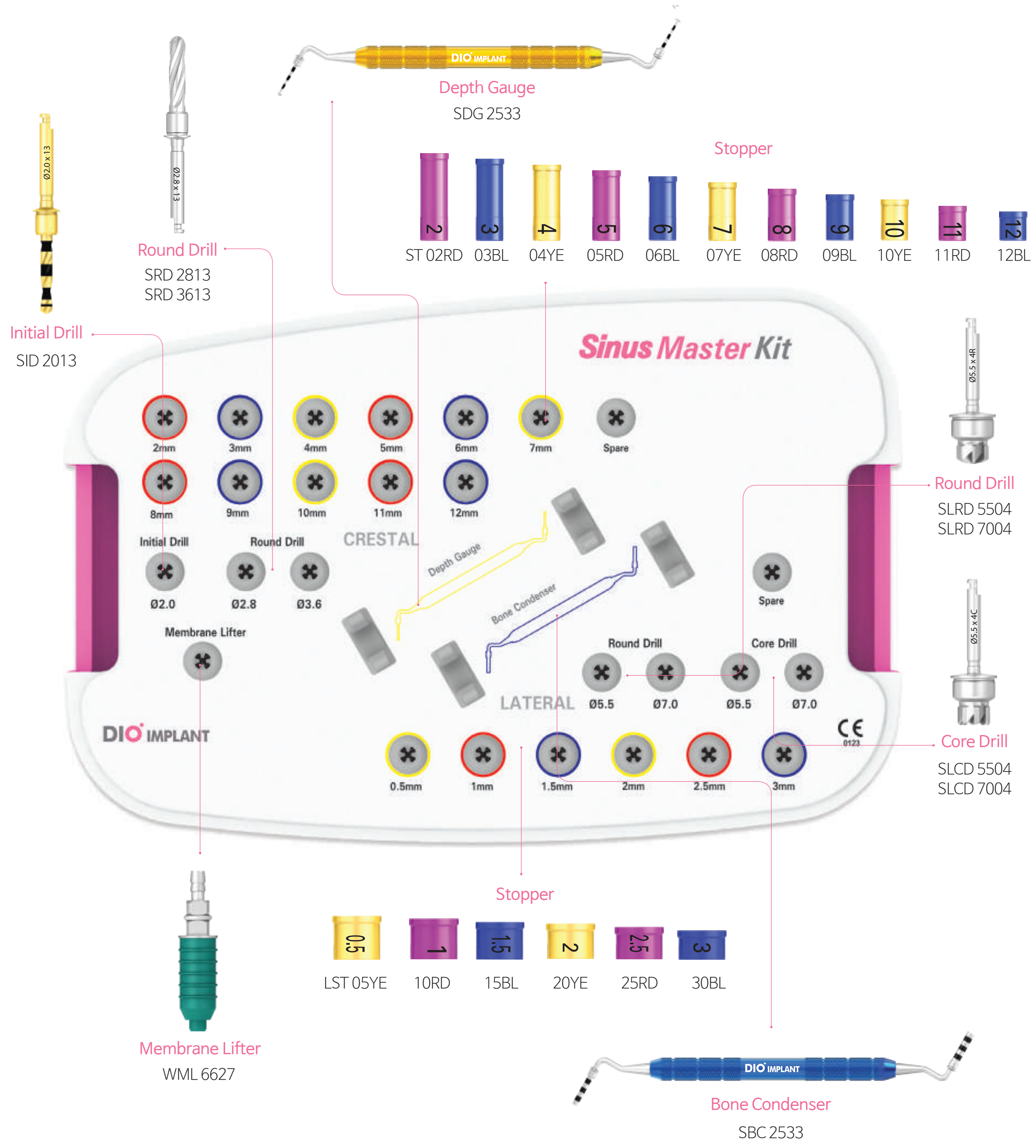


Sinus Master Kit

Kit Code | SMK 01

· **Crestal Approach Technic**
Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane safely and quickly
· **Lateral Approach Technic**
Round drill or core drill can be selected. The membrane can be lifted safely and quickly based on low-speed drilling (50~100rpm) and stopper.

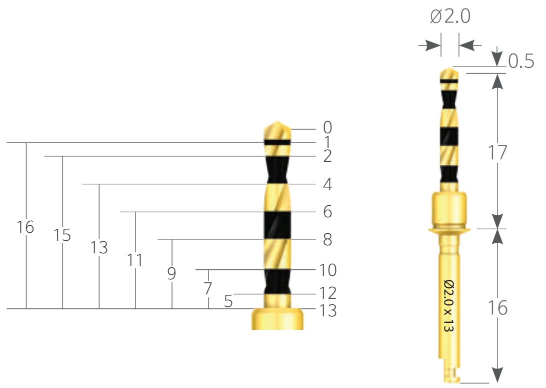
Unit mm | Drill Scale 1 : 0.9



SURGICAL KIT
Sinus Master Kit

Surgical Tool

Ø2.0 Intial Drill



K D Ø2.0

Unit mm I Scale 1 : 1.2

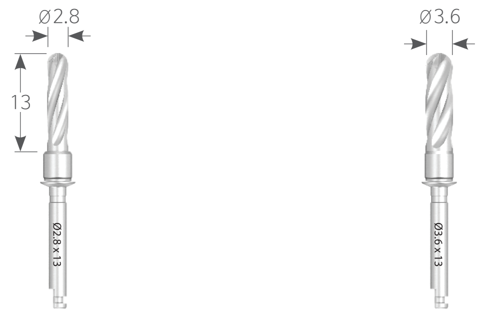
Code	SID 2013

Round Drill

K Length 13

Unit mm I Scale 1 : 1.2

Code	SRD 2813	SRD 3613



Stopper

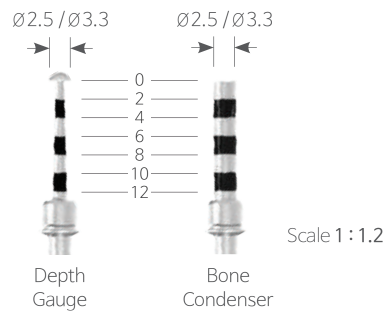
· Stopper must be used for adjusting depth of the drill. It is distinguished by color and number.

K

Unit mm I Scale 1 : 1

Code	ST02RD	03BL	04YE	05RD	06BL	07YE	08RD	09BL	10YE	11RD	12BL

Type	2	3	4	5	6	7	8	9	10	11	12



Scale 1 : 1.2

Depth Gauge

K

Unit mm

Code	SDG 2533

Bone Condenser

K

Unit mm

Code	SBC 2533

Membrane Lifter

K

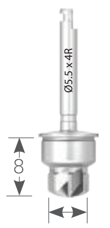
Unit mm I Scale 1 : 1.2

Code	WML 6627

Surgical Tool

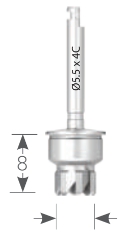
Round Drill

K Unit **mm** | Scale **1 : 1**

Code	SLRD **5504**	SLRD **7004**
		
	ø5.5	ø7.0

Core Drill

K Unit **mm** | Scale **1 : 1**

Code	SLCD **5504**	SLCD **7004**
		
	ø5.5	ø7.0

Stopper

· Stopper must be used for adjusting depth of the drill. It is distinguished by color and number.

K Unit **mm** | Scale **1 : 1**

Code	LST 05YE	10RD	15BL	20YE	25RD	30BL
						
Type	0.5	1	2	1.5	2.5	3

Surgical Protocol

Lateral Approach Technic

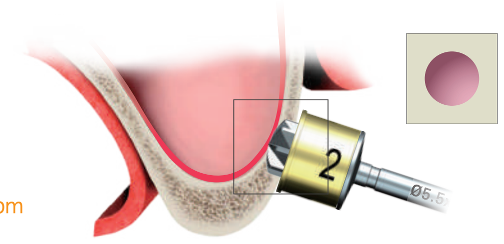
· Sinus Technic based on low-speed drilling (50~100rpm) and stopper that perforates the inferior cortical wall and lifts the membrane safely and quickly

Drilling Round Drill

Rounded tip to perform drilling

Caution

The stopper must be used. Irrigation at 1,200~1,400rpm

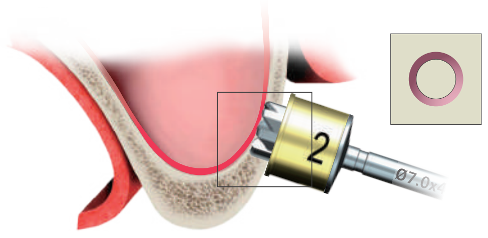


Drilling Core Drill

The edge of the rounded tip only can perform drilling
Beware of the remaining bone chips returning to original position after lifting of the maxillary sinus.

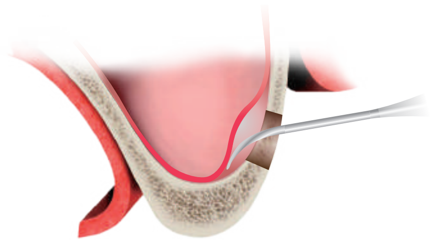
Caution

The stopper must be used. Irrigation at 600~800rpm



Lifting of the sinus membrane Sinus Lift

Lifting of the membrane on the lateral side



Surgical Protocol

Crestal Approach Technic

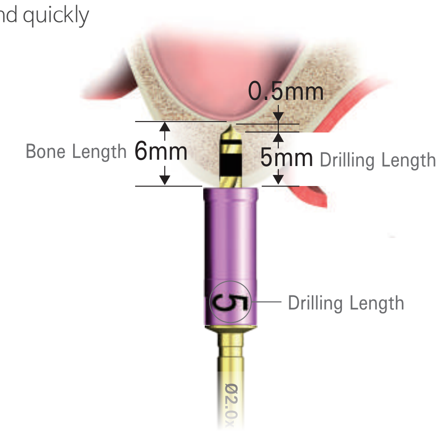
· Sinus Technic based on low-speed drilling (50~100rpm) and
stopper that perforates the inferior cortical wall and lifts the membrane safely and quickly

Drilling Initial Drill

Drilling is done 1~2mm short from the floor of the maxillary sinus measured by CT after attaching a stopper.

Caution

The stopper must be used to adjust depth.
Non-irritation and low-speed drilling at 50rpm

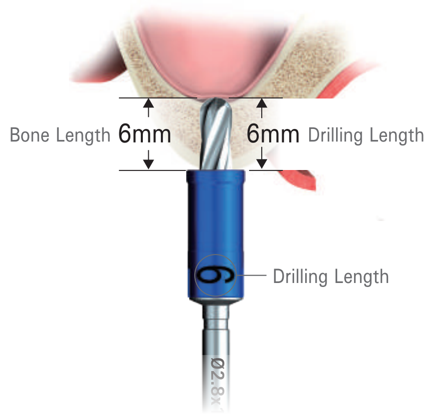


Sinus drill to perforate the bone underneath the maxillary sinus

Drilling is done to the same length as height of the residual bone of the maxillary sinus measured on CT after attaching a stopper.

Caution

The stopper must be used to adjust depth.
Non-irritation and low-speed drilling at 50rpm



Membrane lifter to lift the sinus membrane

The membrane lifter is used to inject saline solution into the osteotomy site.

Caution

Amount of injection measurement starts when pressure is felt, excluding the first 0.2cc~0.5cc before pressure is applied.

※ Amount of injection before pressure can differ according to height and expansion of the bone. For 1mm of sinus lifted, 0.1cc is injected.

Caution

If inferior border (A) of the maxillary sinus is well open

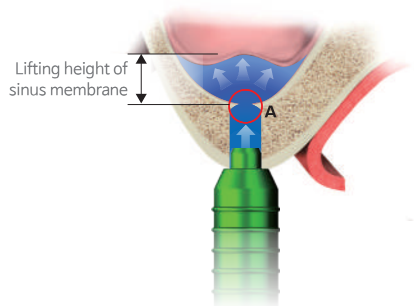
If pressure can be felt during injection of saline solution, the membrane is lifted and the pressure drops and saline solution injected.

If inferior border (A) of the maxillary sinus is not open well

After pressure felt from injection of saline solution, no more pressure can be applied or the nozzle is pushed out.
→ Drill the sinus drill 1mm deeper and retry.

Aspiration of saline solution with the nozzle kept in the hole

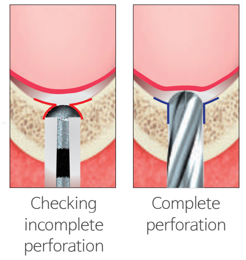
If negative pressure results after asipration of injected saline solution mixed with blood, the membrane is fully lifted.

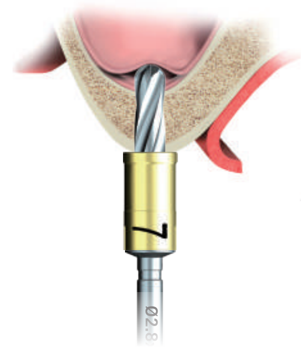


Sinus drill (2nd) to open and expand inferior border of the maxillary sinus.

After lifting the maxillary sinus membrane, the sinus drill is used to drilled 1mm deeper to expand the entrance of inferior border of the maxillary sinus.

Caution The stopper must be used to adjust depth.





Bone condenser to inject bone graft material

The bone condenser is used to push bone graft material into the maxillary sinus through the osteotomy site.

Caution

The stopper must be used to adjust depth.
Non-irrigation, low-speed drilling at 50rpm.

Caution

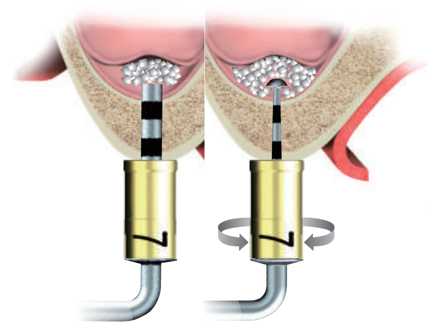
Determine volume of bone graft material.

When pressure is felt during injection of saline solution, the membrane is lifted.

Lifting height of the sinus membrane (mm)		1	2	3	4	5	6	7	8	9	10
Gone graft GBR (cc)	If implant is placed	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
	If implant is not placed	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0

Dispersion of bone graft material

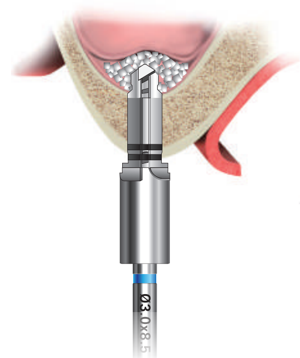
Insert a depth gauge into the maxillary sinus and rotate it to evenly disperse bone graft material.



Final Drilling Final Drill

Drill 2mm deeper than depth of the sinus drill used earlier.

Caution Use a drill shorter than implant.

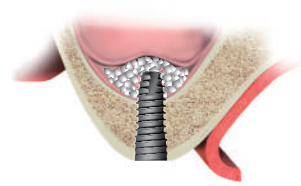


Sinus drill (2nd) to open and expand inferior border of the maxillary sinus

Implant that enters into the maxillary sinus pushes bone graft material away to disperse it. If amount of residual bone is 4mm or larger, satisfactory initial fixing force can be obtained. Also, temporary prosthesis can be restored immediately upon placement of implant.

Caution

If remaining bone is very thin with thickness of 3mm or less and initial fixing of impalnt fails, only bone graft on the maxillary sinus is performed without implant placement.



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