

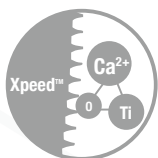
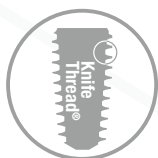


A CUT ABOVE THE REST

# BLUEDIAMOND IMPLANT



MegaGen never stops developing....  
for lifetime smiles





**BLUEDIAMOND** goes FAR BEYOND  
the standard expectations  
for dental implants...

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# What makes **BLUEDIAMOND** a cut above the rest?

## For clinicians

- Minimally invasive
- Fast & simple
- Predictable & excellent esthetics
- Mechanical, biological & long-term stability

**Blue [blu:]:**  
a masterpiece of  
implant technology

## For patients

- Painless fast treatment
- Functional & esthetic new teeth
- Strong & long-term use

*Blue Diamond*



**BLUEDIAMOND goes FAR BEYOND standard expectations of dental implants...**

### Advanced implant system for the digital age

BLUEDIAMOND® implants are MegaGen's premium implant system based on a new loading protocol with proven results from over 10 years. Leveraging all the strong points of AnyRidge, BLUEDIAMOND® implants have been enhanced to provide a long-term solution to the mechanical and biological complications that are currently challenging implant dentistry.

With an ever increasing number of users around the world, BLUEDIAMOND® implants enable fast implant treatment and provide patients with excellent new teeth that are esthetic, functional and long-lasting.

- Excellent initial stability in any bone density
- Faster & stronger osseointegration
- Proven stability of surface treatment
- Less reduction & more preservation of cortical bone
- Wider implant possibilities than crestal width
- No changes in alveolar crest
- Minimal retraction of peri-implant marginal gingiva
- Aesthetic design for prosthesis
- Precise implant-prosthesis connection
- Minimized screw loosening
- Convenient surgical kit

### Biologically-inspired design: A new design standard on the global stage

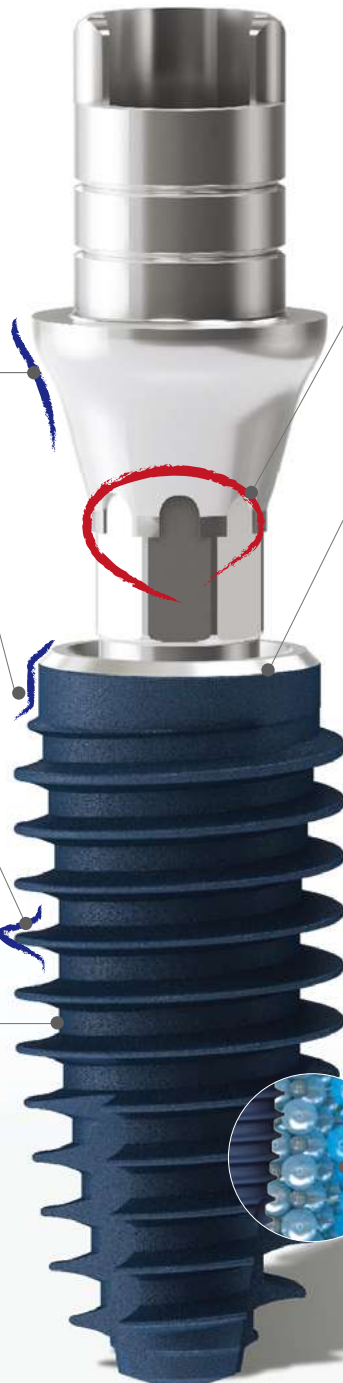
Since the release of the biologically-based AnyRidge implant system in 2009, AnyRidge has gained worldwide attention as a "Game Changer" and 'New Standard' for a successful implant, producing more successful clinical outcomes than even expected by the original developers.



# A CUT ABOVE THE REST

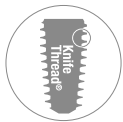
# BLUEDIAMOND

## IMPLANT



### Biologic S-line

Beautiful & natural-looking esthetics



### Designed for less bone stress

Maximum preservation of cortical bone

### Higher initial stability in any bone condition

Deep thread & KnifeThread® design ensure high stability even in soft bone



### Digital planning becomes reality

Octa position selection enables more accurate positioning



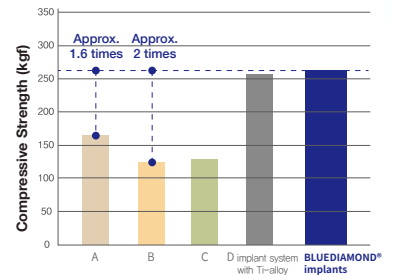
### Feel the X-FIT moment!

First with Octa, then with Keystone  
More precise positioning & connection



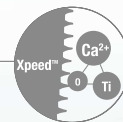
### Targeting zero fractures

100% increase in compressive strength via scientific design (Comparison with major domestic fixtures)



### Pure titanium body

Long-term biological stability with over 20 years of clinical evidence



Nano bone matrix layer of Ca<sup>2+</sup>-incorporated S-L-A surface  
Excellent, rapid & long-lasting osseointegration

# Stronger than any other implant

## Same long-term biological stability

## Targeting zero fractures due to higher strength

BLUEDIAMOND® implants are made of pure medical Grade 4 titanium (coldworked) that has been clinically proven for more than 20 years to provide biocompatibility and ensure long-term survival when linked to an implant design with improved strength. Notably, combining a higher compressive strength and fatigue strength safeguards the long-term mechanical stability of the implant.

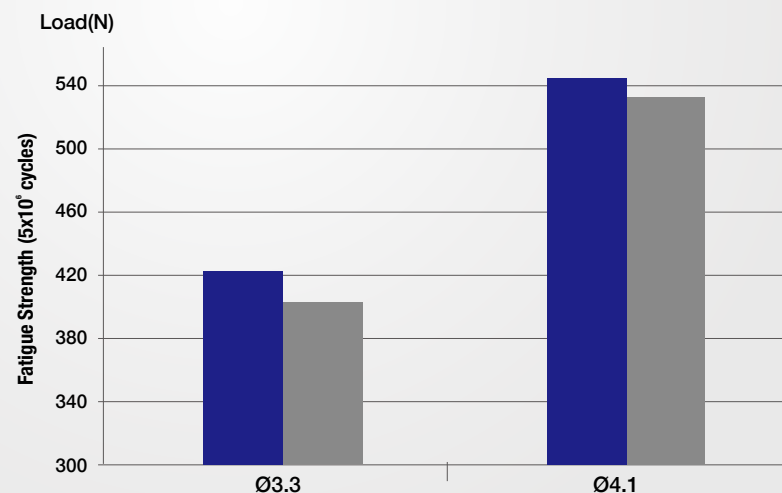
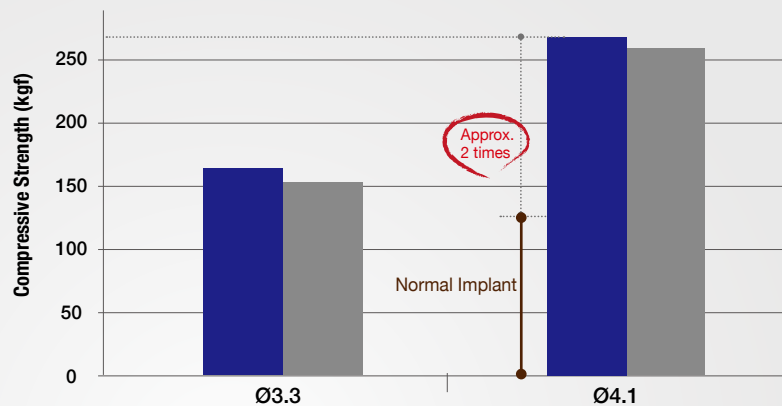
Optimized design is the key to long-term mechanical safety.

- 1) Optimized thickness & external shape of fixture/abutment wall
  - 2) Optimized shape & diameter of abutment screw
  - 3) Optimized shape & contact area of fixture/abutment connection
  - 4) Selection of titanium material to improve overall strength
- When optimized, the overall strength is improved

BLUEDIAMOND® implants are made of pure titanium and have an optimized structure and shape that result in a higher compression and fatigue strength when compared with implants made of titanium alloys.

### Higher-strength with Ø3.3 fixture for anterior teeth & Ø4 fixture in posterior region (Larger diameter is recommended for wide ridges)

■ BLUEDIAMOND® implants  
■ B implant system with Ti-alloy



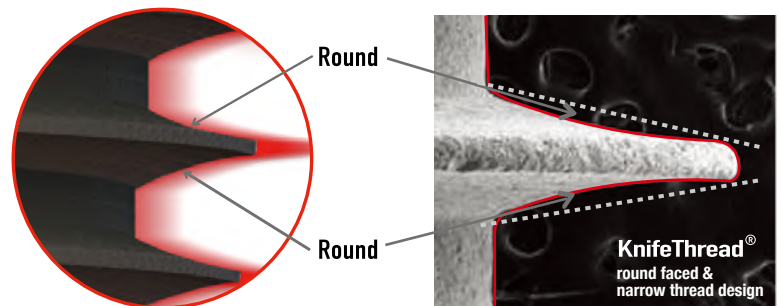
\* Correlation between material & product strength under static & fatigue loads / Authors / JS Im, SI Yeo, KO Park, JH Lee, TY Kwon Korean J Dent Mater 45(1): 77-88, 2018

# High initial stability for immediate placement in all bone types

## KnifeThread® guarantees sustained implant stability

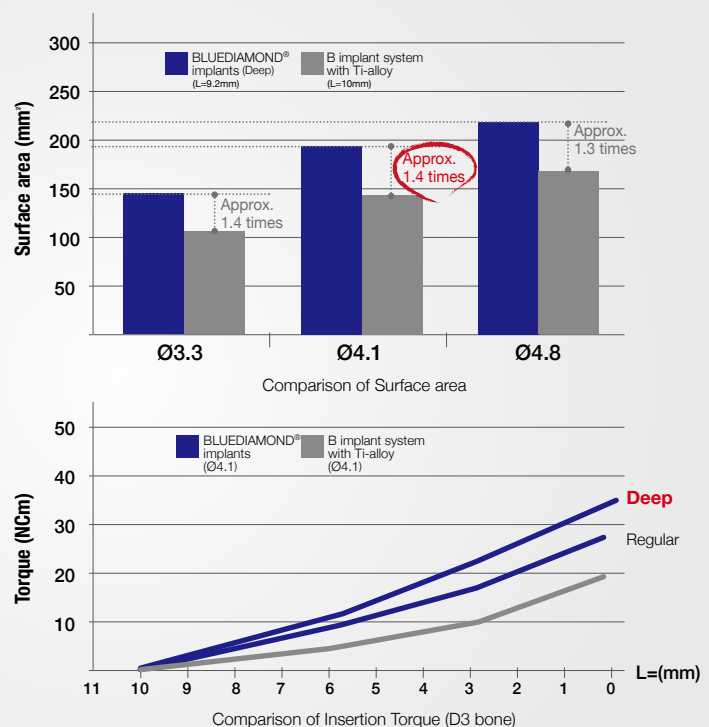
The unique KnifeThread® and super self-tapping design features provide superior initial stability in any compromised bone situation, including bone condensing, gentle ridge expansion, maximized compressive force resistance, and minimized shear force production.

1. Stable dispersion of stress with buttress thread shape
2. Easier insertion with sharp thread shape
3. Round face has larger surface area than straight face

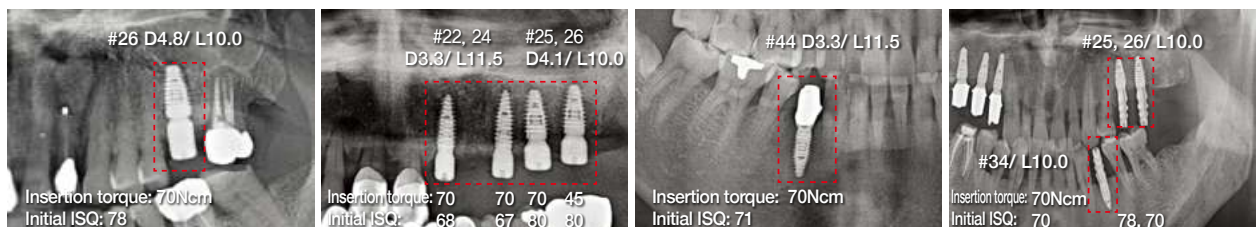


- *Excellent initial stability*
- *Excellent BIC*
- *Special cutting efficiency during implant placement*
- *High resistance to compressive force*
- *Minimized occurrence of shear force*
- *Large surface area for osseointegration*

\*R&D center in MegaGen Implant Co.,Ltd.(2017)



## High ISQ value on day of placement in any bone density

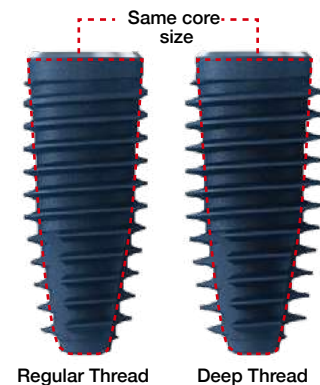


# Fixture thread options for better initial stability

The option of different thread depths (regular or deep) and special KnifeThread<sup>®</sup> design enable easy implant placement with good primary stability in ALL bone densities

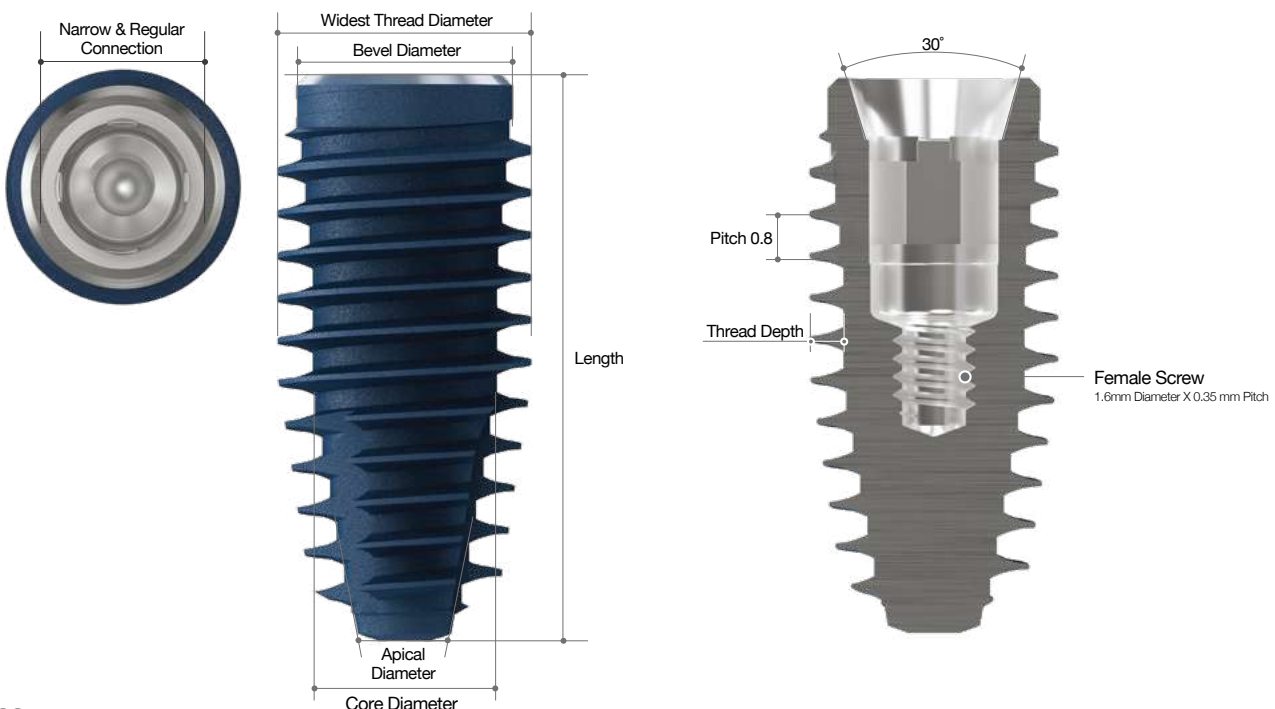
- REGULAR thread recommended for hard bone (D1 & D2)
- DEEP thread recommended for soft bone or poor bone density (D3 & D4)

|                | Fixture Diameter                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                | Ø3.3                                                                              | Ø3.7                                                                              | Ø4.1                                                                              | Ø4.4                                                                              | Ø4.8                                                                              | Ø5.3                                                                              | Ø5.8                                                                              | Ø6.3                                                                               |
| Regular Thread |  |  |  |  |  |  |                                                                                   |                                                                                    |
| Thread Depth   | 0.4                                                                               | 0.4                                                                               | 0.45                                                                              | 0.45                                                                              | 0.4                                                                               | 0.55                                                                              |                                                                                   |                                                                                    |
| Deep Thread    |  |  |  |  |  |  |  |  |
| Thread Depth   | 0.6                                                                               | 0.6                                                                               | 0.65                                                                              | 0.65                                                                              | 0.65                                                                              | 0.75                                                                              | 1.0                                                                               | 1.25                                                                               |



## Regular & Deep Threads

| Fixture Diameter | Widest Thread Diameter (Normal Thread) | Widest Thread Diameter (Deep Thread) | Bevel Diameter | Apical Diameter (Normal&Deep Thread) | Core Diameter | Thread Depth (Normal Thread) | Thread Depth (Deep Thread) | Length(mm)                                      | Connection Diameter |
|------------------|----------------------------------------|--------------------------------------|----------------|--------------------------------------|---------------|------------------------------|----------------------------|-------------------------------------------------|---------------------|
| Ø3.3             | Ø3.6                                   | Ø4.0                                 | Ø3.3           | Ø1.1                                 | Ø2.8          | 0.4                          | 0.6                        | 7 / 7.7 / 9.2 /<br>10.7 / 12.2 /<br>14.2 / 17.2 | Ø2.8                |
| Ø3.7             | Ø4.0                                   | Ø4.4                                 | Ø3.7           | Ø1.4                                 | Ø3.2          | 0.4                          | 0.6                        |                                                 | Ø2.8                |
| Ø4.1             | Ø4.4                                   | Ø4.8                                 | Ø4.1           | Ø1.9                                 | Ø3.5          | 0.45                         | 0.65                       |                                                 | Ø3.3                |
| Ø4.4             | Ø4.7                                   | Ø5.1                                 | Ø4.4           | Ø2.1                                 | Ø3.8          | 0.45                         | 0.65                       |                                                 | Ø3.3                |
| Ø4.8             | Ø5.0                                   | Ø5.5                                 | Ø4.8           | Ø2.4                                 | Ø4.2          | 0.4                          | 0.65                       |                                                 | Ø3.3                |
| Ø5.3             | Ø5.6                                   | Ø6.0                                 | Ø5.3           | Ø2.8                                 | Ø4.5          | 0.55                         | 0.75                       |                                                 | Ø3.3                |
| Ø5.8             |                                        | Ø6.5                                 | Ø5.3           | Ø2.8                                 | Ø4.5          |                              | 1.0                        |                                                 | Ø3.3                |
| Ø6.3             |                                        | Ø7.0                                 | Ø5.3           | Ø2.8                                 | Ø4.5          |                              | 1.25                       |                                                 | Ø3.3                |



# Designed to be minimally invasive

## Maintains more existing bone for better long-term prognosis

### Thread-less section for maximum preservation of cortical bone

\* More cortical bone  
= more soft tissue  
= beautiful gingival line

BLUEDIAMOND® implants do not rely on cortical bone for initial stability. By reducing the stress applied to the cortical bone, this prevents bone resorption that occurs after fixture placement.

The coronal design of BLUEDIAMOND® implants preserves more cortical bone around the fixture, resulting in a beautiful gingival line, along with fast and strong osseointegration.

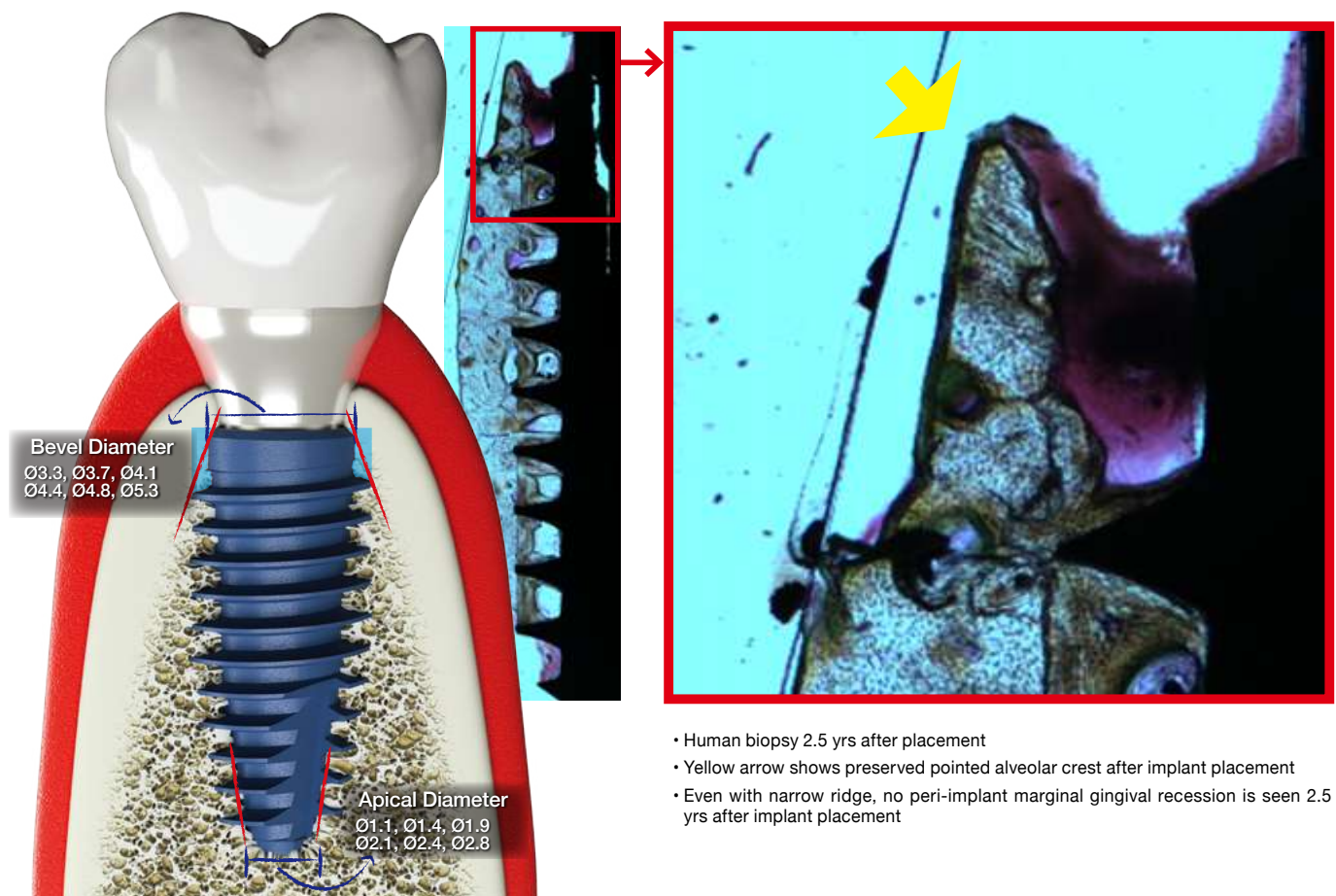
### Narrow apical diameter allows placement of wider fixture in narrow crest

The narrow apical diameter of BLUEDIAMOND® implants allows a wider fixture to be placed via a narrow alveolar crest, while preserving the surrounding hard & soft tissue (minimally invasive).

BLUEDIAMOND® implants have a relatively high strength compared to their diameter, providing sufficient strength even in a narrow ridge.

### Insertion of longer fixture

The narrow apical diameter also reduces the risk of touching sensitive anatomy (nerves), allowing the placement of longer fixtures.



# Immediately high & sustained ISQ values

**Fast & strong osseointegration with clinical results from over 10 years**

**Surface treatment technology that produces excellent results**

XPEED surface treatment is a unique technology from MegaGen.

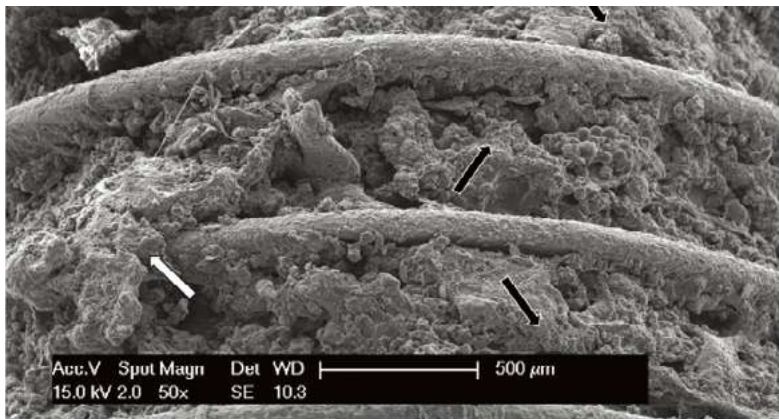
BLUEDIAMOND® implants undergo a special process of  $\text{Ca}^{2+}$  ion deposition on the implant surface, following S-L-A surface treatment of pure medical Grade 4 titanium. These  $\text{Ca}^{2+}$  ions create  $\text{CaTiO}_3$  nanostructures on the implant surface that then activate osteoblasts in living bone cells.

- *In vivo*, many cations are formed on implant surface due to calcium
- More  $\text{PO}_4^{3-}$  ions are then adsorbed &  $\text{Ca}^{2+}$  ions are re-adsorbed to adsorbed  $\text{PO}_4^{3-}$  ions
- Apatite layer similar to bone mineral is promoted & mineralized into hydroxyapatite



## Excellent bone formation rate proven by human clinical study

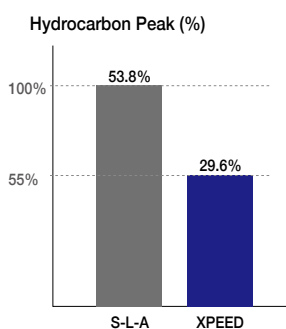
Multiple animal and human clinical studies demonstrate rapid bone cell proliferation and long-term stability of Xpeed surface treatment.



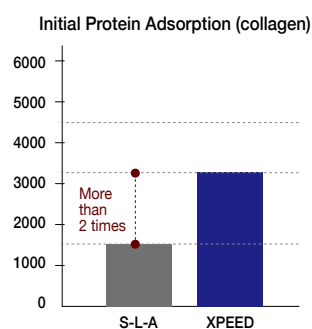
The empty spaces between the threads are completely filled with growing bone tissue (black arrow): In the early osteosynthesis process, new bone was found to cover the entire fixture, and on the left, you can see a small bone mass on the metal ridge (white arrow).

\*Scanning Electron Microscope (SEM) Evaluation of Interface between Nanostructured Calcium-Incorporated Dental Implant Surface and Human Bone / Francesco Mangano / Materials (Basel). 2017 Dec; 10(12): 1438

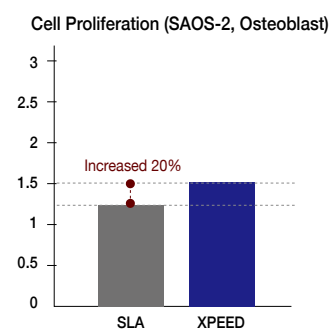
## Superiority of XPEED surface technology compared to S-L-A



· Over 50% reduction of hydrocarbons, which interfere with osteosynthesis



· 2 times better adsorption of essential proteins for initial osseointegration

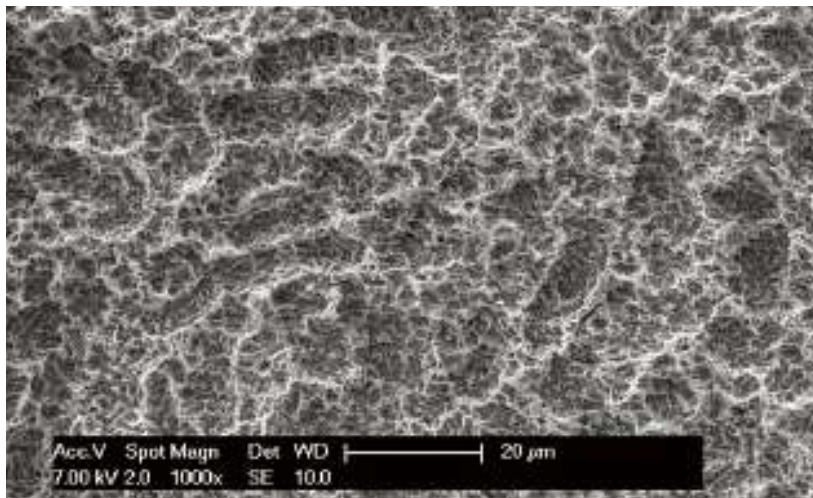


· Over 20% improved osteoblast proliferation for improved osteoblast adhesion

## Awarded <Clean Implant Trusted Quality Award>

By awarding “Trusted Quality” for two implant systems, AnyRidge & BlueDiamond, first time among implant company, verified surface treatment quality which has been obtained only by 15 implant systems in the world.

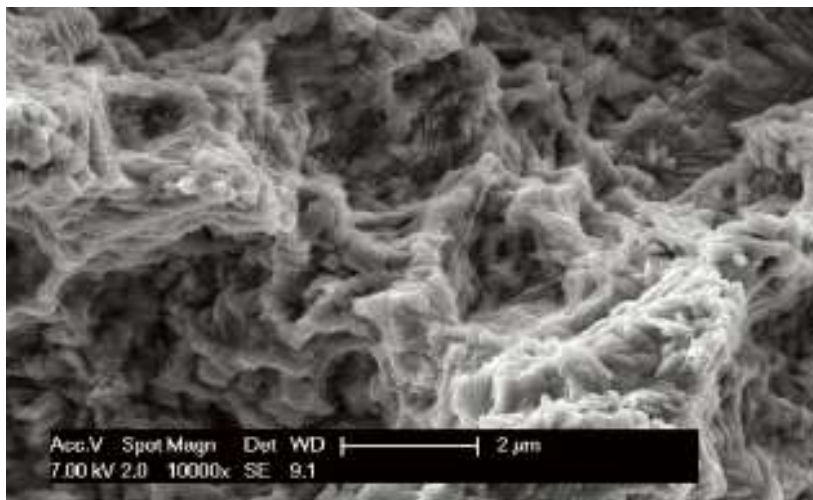
- Be Confident, you are using a CLEAN IMPLANT!
- Guarantees safety for implant surface treatment and long-term stability of implants.



### 100% acid-free surface: surface treatment with NO acid residue

Self-neutralization reaction of acids & bases from XPEED® surface treatment process completely neutralizes & removes any acid residue, resulting in unique blue surface color

**BLUEDIAMOND® implants have ideal roughness value (Ra 1.8-2.5µm)** This regular Ra (surface roughness) value ensures more uniform bone growth



SEM shows surface is perfectly clean & no contamination



A non-profit located in Germany, the Clean Implant Foundation tests implants worldwide to ensure the quality of the surface cleanliness, and very few implant brands are certified.

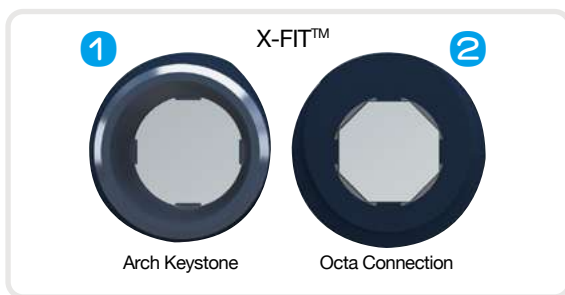
# Accurate positioning & excellent prosthetic connection

## Feel the X-FIT™ moment!

### Precise Positioning & Prosthetic Connection

BLUEDIAMOND® implants have a unique X-FIT™ connection with a 30° internal conical connection & double-fastened internal structure of an arch keystone & octa combination

Devised from architectural principles, the arch-type keystone improves long-term mechanical stability with high resistance to external compressive forces, such as mastication, and an excellent stress dispersion effect.



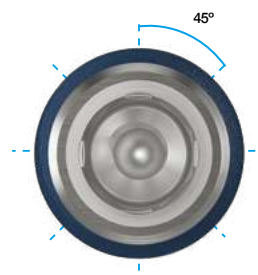
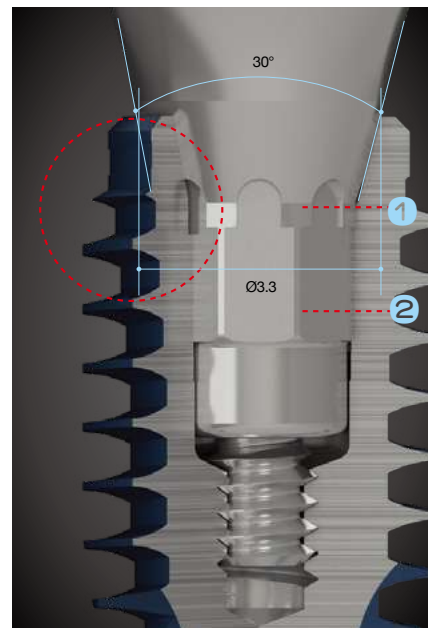
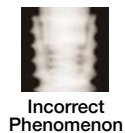
#### • Click! Fits in 8 positions

When correctly mounted, the abutment & fixture snap together to create a perfect connection. Plus, the position of the abutment can be precisely rotated in 45° increments (8 positions), allowing accurate positioning, especially when using an angled abutment.

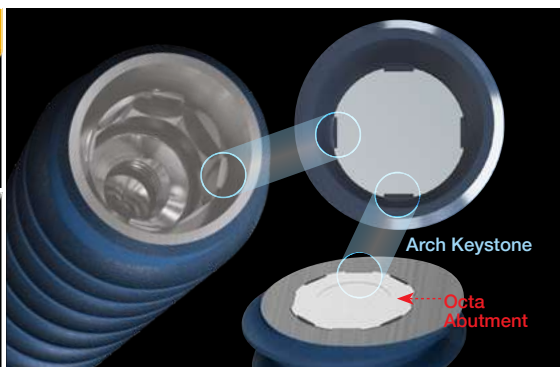
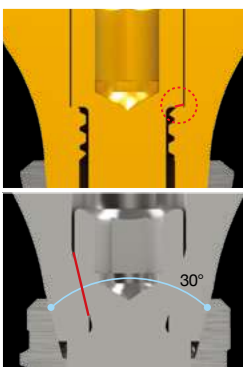
#### • No more misconnection

BLUEDIAMOND® implants is not possible to tighten the abutment screw if the prosthesis is not correctly connected to the fixture.

A misconnected abutment screw cannot be tightened.  
No incorrect locking



#### • Minimize Screw Loosening Improves convenience of implant maintenance



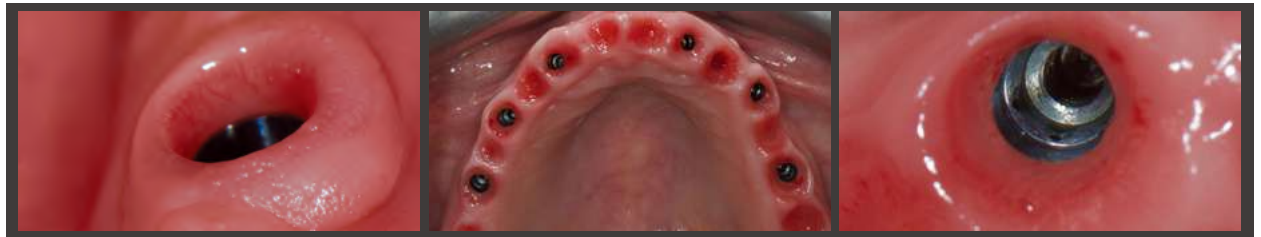
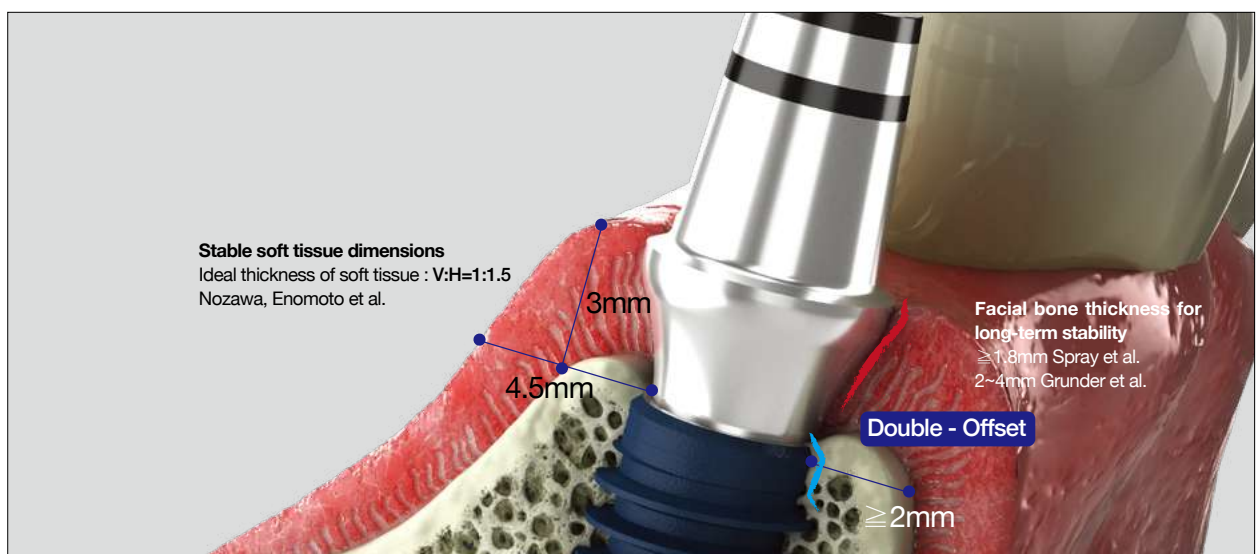
- Increased joint area between abutment screw & abutment
- Minimized sinking due to 30° connection
- Minimized rotation angle between abutment & fixture due to keystone structure inside fixture & abutment joint

# Better esthetics & prosthetic line-up

Extensive prosthetic line-up to cover all cases & functionally superior design to guarantee improved esthetic results

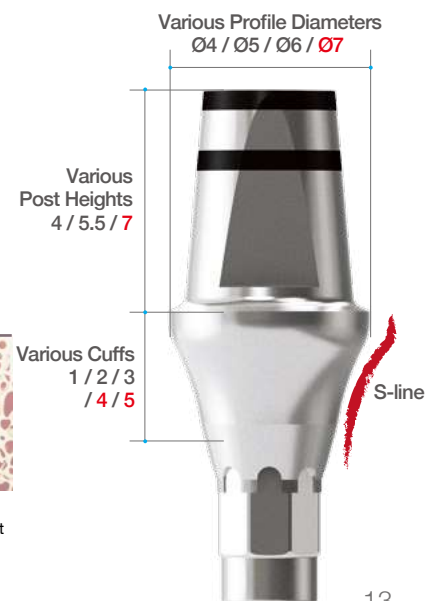
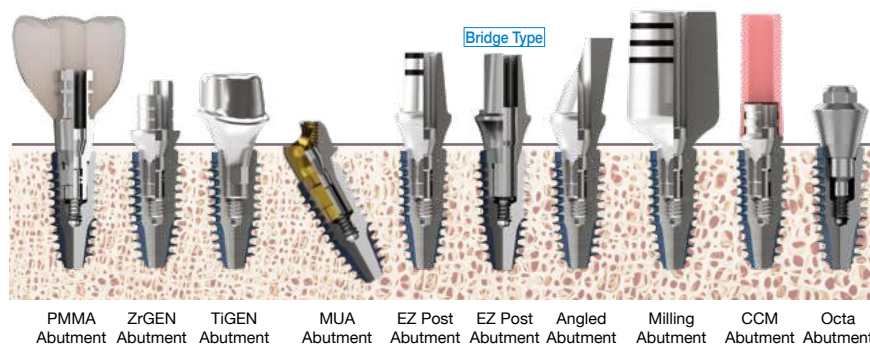
## Biologic S-line

Upper thread-less section of fixture & double-offset structure of biologic S-line cuff design of abutment create better peri-implant biotype & provide emergence profile for more esthetic & functional prosthetic results.

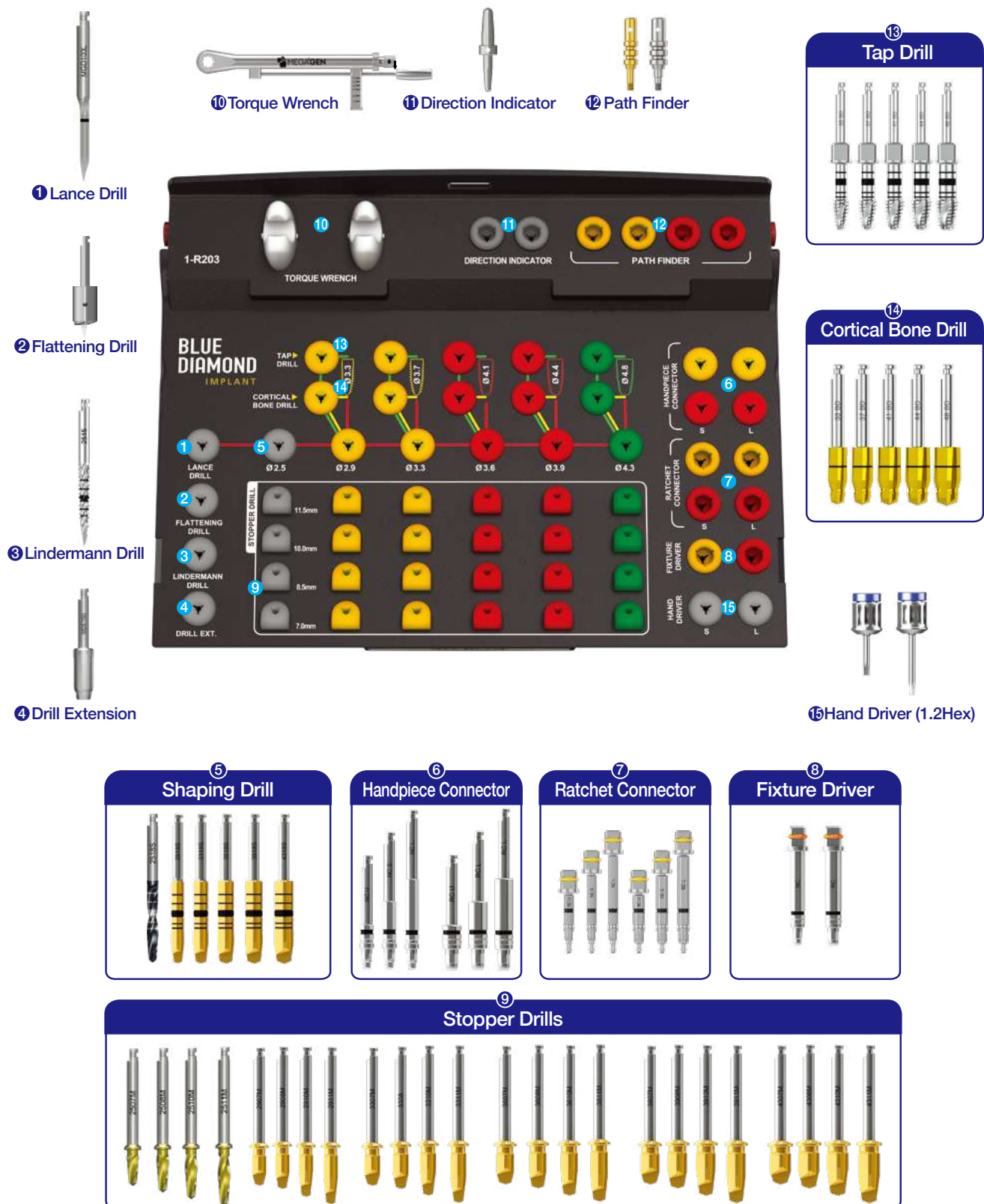


Courtesy of Dr. Edison Shimaj

The prosthetic line-up includes a variety of sizes to satisfy all clinical needs, covering overdentures, all on 4(6), digital, as well as general prosthetics.



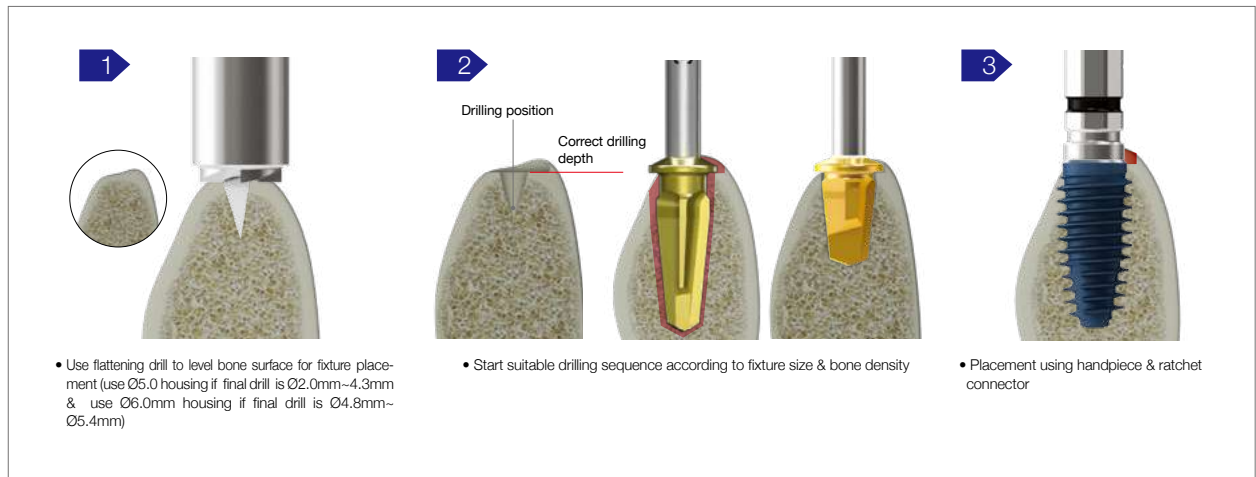
# Convenient surgical kit



## Simple & intuitive drilling sequence

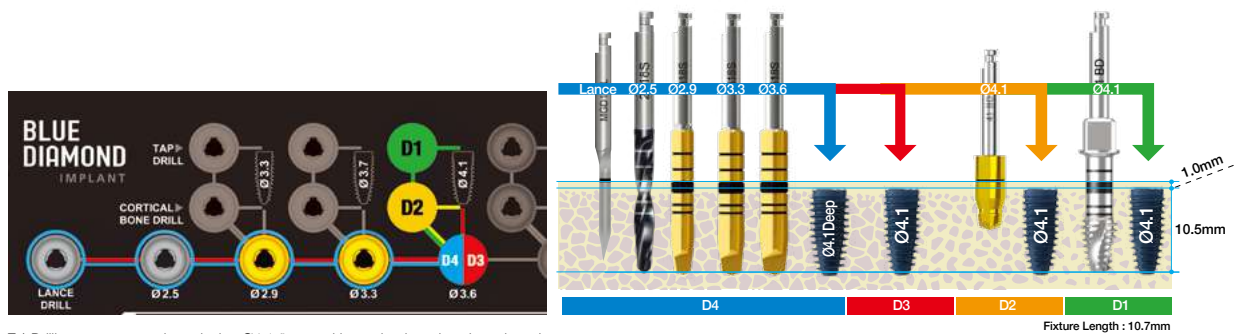
Place the implant according to the guided drilling sequence for optimum initial stability

### Drilling Protocol



### Drilling protocol according to fixture diameter & bone density for optimal initial stability

- ① In surgical kit, identify color line for fixture diameter to be placed
- ② Drill along color line according to bone density  
D3: Red / D2: Yellow / D1: Green / D4 : After drilling the same sequence with D3, place deep thread fixture
- ③ If bone density is very poor or initial stability is insufficient, place deep thread fixture of same size using same drill sequence



Ex) Drilling sequences when placing Ø4.1 fixture with regular thread or deep thread

### BLUEDIAMOND® implants Surgical Kit Drills

|         | Flattening Drill                                                                    | Lance                                                                               | Shaping Drills                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Cortical Bone Drills                                                                |                                                                                     |                                                                                       |                                                                                       |                                                                                       | Tap Drills                                                                            |                                                                                       |                                                                                       |                                                                                       |                                                                                       | Stopper Drills                                                                        |                                                                                       |                                                                                       |                                                                                       |                                                                                       |  |
|---------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|         | Ø5.0 / Ø2.0                                                                         | Ø2.0                                                                                | Ø2.5                                                                                | Ø2.9                                                                                | Ø3.3                                                                                | Ø3.6                                                                                | Ø3.9                                                                                | Ø4.3                                                                                | Ø3.6                                                                                | Ø4.0                                                                                | Ø4.4                                                                                | Ø4.7                                                                                  | Ø5.0                                                                                  | Ø3.3                                                                                  | Ø3.7                                                                                  | Ø4.1                                                                                  | Ø4.4                                                                                  | Ø4.8                                                                                  | Ø2.5                                                                                  | Ø2.9                                                                                  | Ø3.3                                                                                  | Ø3.6                                                                                  | Ø3.9                                                                                  | Ø4.3                                                                                  |  |
|         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rpm max | 400~600                                                                             | 800~1000                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 300                                                                                 |                                                                                     |                                                                                     |                                                                                       |                                                                                       | 15                                                                                    |                                                                                       |                                                                                       |                                                                                       |                                                                                       | 800~1000                                                                              |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |  |

# Fixture Product & Packaging

## I. Fixture Size

### NC Ø3.3

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C    |
|------------------|------------|-------------|----------|
| Ø3.3             | NC         | 7           | ARO3307C |
|                  |            | 8.5         | ARO3308C |
|                  |            | 10          | ARO3310C |
|                  |            | 11.5        | ARO3311C |
|                  |            | 13          | ARO3313C |
|                  |            | 15          | ARO3315C |
|                  |            | 18          | ARO3318C |



### NC Ø3.7

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C    |
|------------------|------------|-------------|----------|
| Ø3.7             | NC         | 7           | ARO3707C |
|                  |            | 8.5         | ARO3708C |
|                  |            | 10          | ARO3710C |
|                  |            | 11.5        | ARO3711C |
|                  |            | 13          | ARO3713C |
|                  |            | 15          | ARO3715C |
|                  |            | 18          | ARO3718C |



### RC Ø4.1

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C    |
|------------------|------------|-------------|----------|
| Ø4.1             | RC         | 7           | ARO4107C |
|                  |            | 8.5         | ARO4108C |
|                  |            | 10          | ARO4110C |
|                  |            | 11.5        | ARO4111C |
|                  |            | 13          | ARO4113C |
|                  |            | 15          | ARO4115C |
|                  |            | 18          | ARO4118C |



### RC Ø4.4

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C    |
|------------------|------------|-------------|----------|
| Ø4.4             | RC         | 7           | ARO4407C |
|                  |            | 8.5         | ARO4408C |
|                  |            | 10          | ARO4410C |
|                  |            | 11.5        | ARO4411C |
|                  |            | 13          | ARO4413C |
|                  |            | 15          | ARO4415C |
|                  |            | 18          | ARO4418C |



### RC Ø4.8

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C    |
|------------------|------------|-------------|----------|
| Ø4.8             | RC         | 7           | ARO4807C |
|                  |            | 8.5         | ARO4808C |
|                  |            | 10          | ARO4810C |
|                  |            | 11.5        | ARO4811C |
|                  |            | 13          | ARO4813C |
|                  |            | 15          | ARO4815C |
|                  |            | 18          | ARO4818C |



## RC Ø5.3

- Cover Screw included

※ Availability may vary by country

| Fixture Diameter | Connection | Length (mm) | Ref.C    |
|------------------|------------|-------------|----------|
| Ø5.3             | RC         | 7           | ARO5307C |
|                  |            | 8.5         | ARO5308C |
|                  |            | 10          | ARO5310C |
|                  |            | 11.5        | ARO5311C |
|                  |            | 13          | ARO5313C |
|                  |            | 15          | ARO5315C |
|                  |            | 18          | ARO5318C |



## NC Ø3.3 Deep Thread

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø3.3             | NC         | 7           | ARO3307DC |
|                  |            | 8.5         | ARO3308DC |
|                  |            | 10          | ARO3310DC |
|                  |            | 11.5        | ARO3311DC |
|                  |            | 13          | ARO3313DC |
|                  |            | 15          | ARO3315DC |
|                  |            | 18          | ARO3318DC |



## NC Ø3.7 Deep Thread

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø3.7             | NC         | 7           | ARO3707DC |
|                  |            | 8.5         | ARO3708DC |
|                  |            | 10          | ARO3710DC |
|                  |            | 11.5        | ARO3711DC |
|                  |            | 13          | ARO3713DC |
|                  |            | 15          | ARO3715DC |
|                  |            | 18          | ARO3718DC |



## RC Ø4.1 Deep Thread

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø4.1             | RC         | 7           | ARO4107DC |
|                  |            | 8.5         | ARO4108DC |
|                  |            | 10          | ARO4110DC |
|                  |            | 11.5        | ARO4111DC |
|                  |            | 13          | ARO4113DC |
|                  |            | 15          | ARO4115DC |
|                  |            | 18          | ARO4118DC |



## RC Ø4.4 Deep Thread

- Cover Screw included

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø4.4             | RC         | 7           | ARO4407DC |
|                  |            | 8.5         | ARO4408DC |
|                  |            | 10          | ARO4410DC |
|                  |            | 11.5        | ARO4411DC |
|                  |            | 13          | ARO4413DC |
|                  |            | 15          | ARO4415DC |
|                  |            | 18          | ARO4418DC |



## RC Ø4.8 Deep Thread

- Cover Screw included

RC Deep

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø4.8             | RC         | 7           | ARO4807DC |
|                  |            | 8.5         | ARO4808DC |
|                  |            | 10          | ARO4810DC |
|                  |            | 11.5        | ARO4811DC |
|                  |            | 13          | ARO4813DC |
|                  |            | 15          | ARO4815DC |
|                  |            | 18          | ARO4818DC |



## RC Ø5.3 Deep Thread

- Cover Screw included

\* Availability may vary by country

RC Deep

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø5.3             | RC         | 7           | ARO5307DC |
|                  |            | 8.5         | ARO5308DC |
|                  |            | 10          | ARO5310DC |
|                  |            | 11.5        | ARO5311DC |
|                  |            | 13          | ARO5313DC |
|                  |            | 15          | ARO5315DC |
|                  |            | 18          | ARO5318DC |



## RC Ø5.8 Deep Thread

- Cover Screw included

\* Availability may vary by country

RC Deep

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø5.8             | RC         | 7           | ARO5807DC |
|                  |            | 8.5         | ARO5808DC |
|                  |            | 10          | ARO5810DC |
|                  |            | 11.5        | ARO5811DC |
|                  |            | 13          | ARO5813DC |
|                  |            | 15          | ARO5815DC |
|                  |            | 18          | ARO5818DC |



## RC Ø6.3 Deep Thread

- Cover Screw included

\* Availability may vary by country

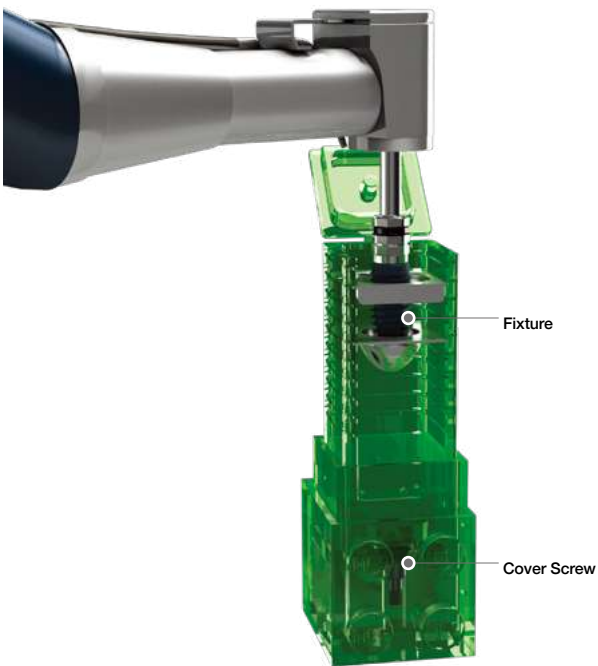
RC Deep

| Fixture Diameter | Connection | Length (mm) | Ref.C     |
|------------------|------------|-------------|-----------|
| Ø6.3             | RC         | 7           | ARO6307DC |
|                  |            | 8.5         | ARO6308DC |
|                  |            | 10          | ARO6310DC |
|                  |            | 11.5        | ARO6311DC |
|                  |            | 13          | ARO6313DC |
|                  |            | 15          | ARO6315DC |
|                  |            | 18          | ARO6318DC |

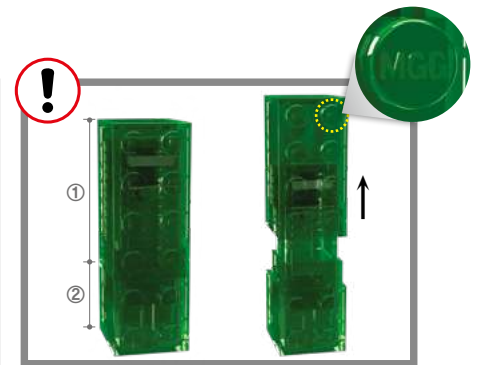


## II. Packaging

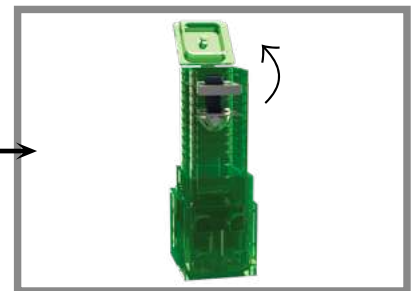
- Ampule



Peel off cover & remove ampule



Separate top<sup>①</sup> & bottom<sup>②</sup>, as shown, to reveal inner ampule with fixture



Flip open top to reveal fixture



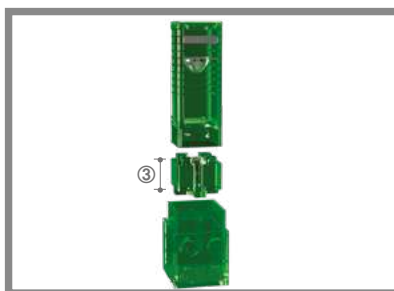
Connect handpiece to fixture



Make sure fixture is fully connected, then remove from ampule



Place fixture according to drilling sequence



Separate fixture ampule from bottom, as shown, to reveal cover screw holder<sup>③</sup>



Use hand driver to pick up cover screw



Tighten cover screw to fixture

MegaGen ampule is re-usable as building block (after cleaning & sterilization) reducing plastic waste!

# Cover Screw & Healing Abutment

## Cover Screw

- Included in fixture packaging

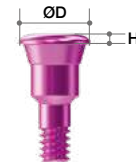
- For use with submerged-type surgery
- Protects inner structure of fixture
- Different height options
- 1mm & umbrella (wide dia.) cover screw can be purchased separately
- Recommended torque: by hand (5 - 8Ncm)
- Use with Hand Driver(1.2 Hex)



NC

| Diameter | Height (mm) | Ref.C       |
|----------|-------------|-------------|
| Ø3.0     | 0.5         | AROCSN3005  |
| Ø3.0     | 1.0         | *AROCSN3010 |
| Ø5.0     | 0.5         | *AROCSN5005 |

(\*) Separate sales item



RC

| Diameter | Height (mm) | Ref.C       |
|----------|-------------|-------------|
| Ø3.7     | 0.5         | AROCSR3705  |
| Ø3.7     | 1.0         | *AROCSR3710 |
| Ø6.0     | 0.5         | *AROCSR6005 |

(\*) Separate sales item

## Umbrella Cover Screw



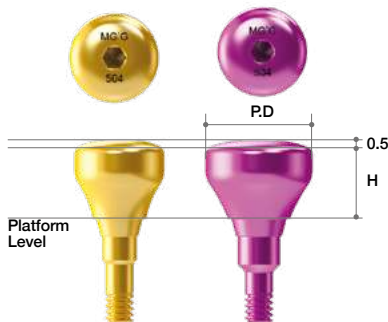
Prevents implant from falling into maxillary sinus  
Suitable for simple GBR surgery



Use with Hand Driver

## Healing Abutment

- For use with non-submerged-type surgery & 2-stage surgery
- Different diameter & height options
- Helps to form suitable emergence profile during gingival healing
- Recommended torque: by hand (5 - 8Ncm)
- Use with Hand Driver (1.2 Hex)



NC

| Profile Diameter | Height (mm) | Ref.C     |
|------------------|-------------|-----------|
| Ø3.0             | 2           | AROHAN302 |
|                  | 3           | AROHAN303 |
|                  | 4           | AROHAN304 |
|                  | 5           | AROHAN305 |
|                  | 6           | AROHAN306 |
|                  | 7           | AROHAN307 |
|                  | 8           | AROHAN308 |
|                  | 9           | AROHAN309 |
| Ø4.0             | 2           | AROHAN402 |
|                  | 3           | AROHAN403 |
|                  | 4           | AROHAN404 |
|                  | 5           | AROHAN405 |
|                  | 6           | AROHAN406 |
|                  | 7           | AROHAN407 |
|                  | 8           | AROHAN408 |
|                  | 9           | AROHAN409 |
| Ø5.0             | 2           | AROHAN502 |
|                  | 3           | AROHAN503 |
|                  | 4           | AROHAN504 |
|                  | 5           | AROHAN505 |
|                  | 6           | AROHAN506 |
|                  | 7           | AROHAN507 |
|                  | 8           | AROHAN508 |
|                  | 9           | AROHAN509 |

RC

| Profile Diameter | Height (mm) | Ref.C     |
|------------------|-------------|-----------|
| Ø4.0             | 2           | AROHAR402 |
|                  | 3           | AROHAR403 |
|                  | 4           | AROHAR404 |
|                  | 5           | AROHAR405 |
|                  | 6           | AROHAR406 |
|                  | 7           | AROHAR407 |
|                  | 8           | AROHAR408 |
|                  | 9           | AROHAR409 |
| Ø5.0             | 2           | AROHAR502 |
|                  | 3           | AROHAR503 |
|                  | 4           | AROHAR504 |
|                  | 5           | AROHAR505 |
|                  | 6           | AROHAR506 |
|                  | 7           | AROHAR507 |
|                  | 8           | AROHAR508 |
|                  | 9           | AROHAR509 |
| Ø6.0             | 2           | AROHAR602 |
|                  | 3           | AROHAR603 |
|                  | 4           | AROHAR604 |
|                  | 5           | AROHAR605 |
|                  | 6           | AROHAR606 |
|                  | 7           | AROHAR607 |
|                  | 8           | AROHAR608 |
|                  | 9           | AROHAR609 |
| Ø7.0             | 2           | AROHAR702 |
|                  | 3           | AROHAR703 |
|                  | 4           | AROHAR704 |
|                  | 5           | AROHAR705 |
|                  | 6           | AROHAR706 |
|                  | 7           | AROHAR707 |
|                  | 8           | AROHAR708 |
|                  | 9           | AROHAR709 |

## Healing Abutment

- For use with non-submerged-type surgery & 2-stage surgery
  - Different diameter & height options
  - Helps to form suitable emergence profile during gingival healing
  - Recommended torque: by hand (5 - 8Ncm)
  - Use with Hand Driver (1.2 Hex)
- ※Availability may vary by country

|  |             |          |  |             |          |
|-----------------------------------------------------------------------------------|-------------|----------|-------------------------------------------------------------------------------------|-------------|----------|
| NC                                                                                |             |          | RC                                                                                  |             |          |
| Profile Diameter                                                                  | Height (mm) | Ref.C    | Profile Diameter                                                                    | Height (mm) | Ref.C    |
| Ø3.0                                                                              | 2           | BDHAN302 | Ø4.0                                                                                | 2           | BDHAR402 |
|                                                                                   | 3           | BDHAN303 |                                                                                     | 3           | BDHAR403 |
|                                                                                   | 4           | BDHAN304 |                                                                                     | 4           | BDHAR404 |
|                                                                                   | 5           | BDHAN305 |                                                                                     | 5           | BDHAR405 |
|                                                                                   | 6           | BDHAN306 |                                                                                     | 6           | BDHAR406 |
|                                                                                   | 7           | BDHAN307 |                                                                                     | 7           | BDHAR407 |
|                                                                                   | 8           | BDHAN308 |                                                                                     | 8           | BDHAR408 |
|                                                                                   | 9           | BDHAN309 |                                                                                     | 9           | BDHAR409 |
|                                                                                   | Ø4.0        | 2        |                                                                                     | BDHAN402    | Ø5.0     |
| 3                                                                                 |             | BDHAN403 | 3                                                                                   | BDHAR503    |          |
| 4                                                                                 |             | BDHAN404 | 4                                                                                   | BDHAR504    |          |
| 5                                                                                 |             | BDHAN405 | 5                                                                                   | BDHAR505    |          |
| 6                                                                                 |             | BDHAN406 | 6                                                                                   | BDHAR506    |          |
| 7                                                                                 |             | BDHAN407 | 7                                                                                   | BDHAR507    |          |
| 8                                                                                 |             | BDHAN408 | 8                                                                                   | BDHAR508    |          |
| 9                                                                                 |             | BDHAN409 | 9                                                                                   | BDHAR509    |          |
| Ø5.0                                                                              | 2           | BDHAN502 | Ø6.0                                                                                | 2           | BDHAR602 |
|                                                                                   | 3           | BDHAN503 |                                                                                     | 3           | BDHAR603 |
|                                                                                   | 4           | BDHAN504 |                                                                                     | 4           | BDHAR604 |
|                                                                                   | 5           | BDHAN505 |                                                                                     | 5           | BDHAR605 |
|                                                                                   | 6           | BDHAN506 |                                                                                     | 6           | BDHAR606 |
|                                                                                   | 7           | BDHAN507 |                                                                                     | 7           | BDHAR607 |
|                                                                                   | 8           | BDHAN508 |                                                                                     | 8           | BDHAR608 |
|                                                                                   | 9           | BDHAN509 |                                                                                     | 9           | BDHAR609 |
| Ø7.0                                                                              | 2           | BDHAN702 | Ø7.0                                                                                | 2           | BDHAR702 |
|                                                                                   | 3           | BDHAN703 |                                                                                     | 3           | BDHAR703 |
|                                                                                   | 4           | BDHAN704 |                                                                                     | 4           | BDHAR704 |
|                                                                                   | 5           | BDHAN705 |                                                                                     | 5           | BDHAR705 |
|                                                                                   | 6           | BDHAN706 |                                                                                     | 6           | BDHAR706 |
|                                                                                   | 7           | BDHAN707 |                                                                                     | 7           | BDHAR707 |
|                                                                                   | 8           | BDHAN708 |                                                                                     | 8           | BDHAR708 |
|                                                                                   | 9           | BDHAN709 |                                                                                     | 9           | BDHAR709 |

## All in one package (Anatomic type)

| Height (mm) | Connection | Ref.C      |
|-------------|------------|------------|
| 4           | Octa       | C-AHBD04OP |
|             | Non-Octa   | C-AHBD04NP |
| 5           | Octa       | C-AHBD05OP |
|             | Non-Octa   | C-AHBD05NP |
| 7           | Octa       | C-AHBD07OP |
|             | Non-Octa   | C-AHBD07NP |



## Healing Abutment (Anatomic type)

- Abutment screw (H=4 AROHAS1604/ H=5 AROHAS1605/ H=7 AROHAS1607) included

- For use with non-submerged type surgery & 2-stage surgery
- Different diameter & height options
- Helps to form suitable emergence profile during gingival healing
- Recommend torque: by hand (5 - 8Ncm)
- Use with Hand Driver(1.2 Hex)



NC

| Type    | MD (mm) | LL (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|---------|---------|---------|--------------|-------------|------------|---------------|
| Incisor | 4.0     | 5.0     | I1           | 4           | Octa       | AROHIN40504T  |
|         |         |         |              | 5           |            | AROHIN40505T  |
|         |         |         |              | 7           |            | AROHIN40507T  |
|         | 4.5     | 4.5     | I2           | 4           |            | AROHIN45454T  |
|         |         |         |              | 5           |            | AROHIN45455T  |
|         |         |         |              | 7           |            | AROHIN45457T  |
|         | 6.0     | 5.0     | I3           | 4           |            | AROHIN60504T  |
|         |         |         |              | 5           |            | AROHIN60505T  |
|         |         |         |              | 7           |            | AROHIN60507T  |
|         | 7.0     | 6.0     | I4           | 4           |            | AROHIN70604T  |
|         |         |         |              | 5           |            | AROHIN70605T  |
|         |         |         |              | 7           |            | AROHIN70607T  |
|         | 4.0     | 5.0     | I1           | 4           | Non-Octa   | AROHIN40504NT |
|         |         |         |              | 5           |            | AROHIN40505NT |
|         |         |         |              | 7           |            | AROHIN40507NT |
|         | 4.5     | 4.5     | I2           | 4           |            | AROHIN45454NT |
|         |         |         |              | 5           |            | AROHIN45455NT |
|         |         |         |              | 7           |            | AROHIN45457NT |
|         | 6.0     | 5.0     | I3           | 4           |            | AROHIN60504NT |
|         |         |         |              | 5           |            | AROHIN60505NT |
|         |         |         |              | 7           |            | AROHIN60507NT |
|         | 7.0     | 6.0     | I4           | 4           |            | AROHIN70604NT |
|         |         |         |              | 5           |            | AROHIN70605NT |
|         |         |         |              | 7           |            | AROHIN70607NT |

RC

| Type    | MD (mm) | LL (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|---------|---------|---------|--------------|-------------|------------|---------------|
| Incisor | 4.0     | 5.0     | I1           | 4           | Octa       | AROHIR40504T  |
|         |         |         |              | 5           |            | AROHIR40505T  |
|         |         |         |              | 7           |            | AROHIR40507T  |
|         | 4.5     | 4.5     | I2           | 4           |            | AROHIR45454T  |
|         |         |         |              | 5           |            | AROHIR45455T  |
|         |         |         |              | 7           |            | AROHIR45457T  |
|         | 6.0     | 5.0     | I3           | 4           |            | AROHIR60504T  |
|         |         |         |              | 5           |            | AROHIR60505T  |
|         |         |         |              | 7           |            | AROHIR60507T  |
|         | 7.0     | 6.0     | I4           | 4           |            | AROHIR70604T  |
|         |         |         |              | 5           |            | AROHIR70605T  |
|         |         |         |              | 7           |            | AROHIR70607T  |
|         | 4.0     | 5.0     | I1           | 4           | Non-Octa   | AROHIR40504NT |
|         |         |         |              | 5           |            | AROHIR40505NT |
|         |         |         |              | 7           |            | AROHIR40507NT |
|         | 4.5     | 4.5     | I2           | 4           |            | AROHIR45454NT |
|         |         |         |              | 5           |            | AROHIR45455NT |
|         |         |         |              | 7           |            | AROHIR45457NT |
|         | 6.0     | 5.0     | I3           | 4           |            | AROHIR60504NT |
|         |         |         |              | 5           |            | AROHIR60505NT |
|         |         |         |              | 7           |            | AROHIR60507NT |
|         | 7.0     | 6.0     | I4           | 4           |            | AROHIR70604NT |
|         |         |         |              | 5           |            | AROHIR70605NT |
|         |         |         |              | 7           |            | AROHIR70607NT |



NC

| Type   | MD (mm) | LB (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|--------|---------|---------|--------------|-------------|------------|---------------|
| Canine | 5.0     | 6.5     | C1           | 4           | Octa       | AROHCN50654T  |
|        |         |         |              | 5           |            | AROHCN50655T  |
|        |         |         |              | 7           |            | AROHCN50657T  |
|        | 5.0     | 6.5     | C1           | 4           | Non-Octa   | AROHCN50654NT |
|        |         |         |              | 5           |            | AROHCN50655NT |
|        |         |         |              | 7           |            | AROHCN50657NT |

RC

| Type   | MD (mm) | LB (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|--------|---------|---------|--------------|-------------|------------|---------------|
| Canine | 5.0     | 6.5     | C1           | 4           | Octa       | AROHCN50654T  |
|        |         |         |              | 5           |            | AROHCN50655T  |
|        |         |         |              | 7           |            | AROHCN50657T  |
|        | 5.0     | 6.5     | C1           | 4           | Non-Octa   | AROHCN50654NT |
|        |         |         |              | 5           |            | AROHCN50655NT |
|        |         |         |              | 7           |            | AROHCN50657NT |



| Type      | MD (mm) | LB (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|-----------|---------|---------|--------------|-------------|------------|---------------|
| Pre-Molar | 4.5     | 6.0     | P1           | 4           | Octa       | AROHMR45604T  |
|           |         |         |              | 5           |            | AROHMR45605T  |
|           |         |         |              | 7           |            | AROHMR45607T  |
|           | 5.0     | 7.0     | P2           | 4           |            | AROHMR50704T  |
|           |         |         |              | 5           |            | AROHMR50705T  |
|           |         |         |              | 7           |            | AROHMR50707T  |
|           | 4.5     | 6.0     | P1           | 4           | Non-Octa   | AROHMR45604NT |
|           |         |         |              | 5           |            | AROHMR45605NT |
|           |         |         |              | 7           |            | AROHMR45607NT |
|           | 5.0     | 7.0     | P2           | 4           |            | AROHMR50704NT |
|           |         |         |              | 5           |            | AROHMR50705NT |
|           |         |         |              | 7           |            | AROHMR50707NT |



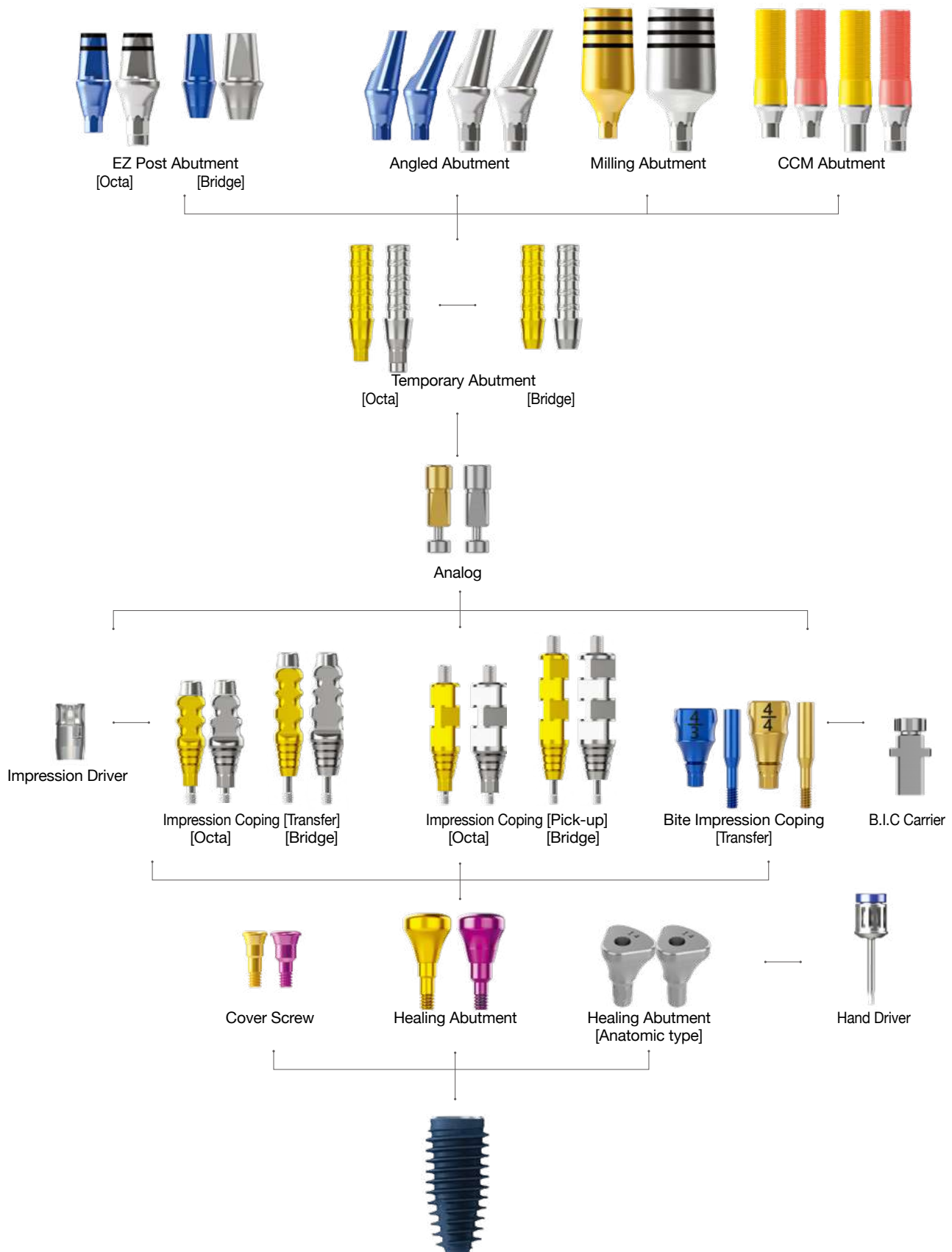
| Type  | MD (mm) | LB (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|-------|---------|---------|--------------|-------------|------------|---------------|
| Molar | 6.0     | 7.0     | M1           | 4           | Octa       | AROHMR60704T  |
|       |         |         |              | 5           |            | AROHMR60705T  |
|       |         |         |              | 7           |            | AROHMR60707T  |
|       | 6.0     | 8.0     | M2           | 4           |            | AROHMR60804T  |
|       |         |         |              | 5           |            | AROHMR60805T  |
|       |         |         |              | 7           |            | AROHMR60807T  |
|       | 6.0     | 9.0     | M3           | 4           |            | AROHMR60904T  |
|       |         |         |              | 5           |            | AROHMR60905T  |
|       |         |         |              | 7           |            | AROHMR60907T  |
|       | 7.0     | 8.0     | M4           | 4           |            | AROHMR70804T  |
|       |         |         |              | 5           |            | AROHMR70805T  |
|       |         |         |              | 7           |            | AROHMR70807T  |
|       | 7.0     | 9.0     | M5           | 4           |            | AROHMR70904T  |
|       |         |         |              | 5           |            | AROHMR70905T  |
|       |         |         |              | 7           |            | AROHMR70907T  |
|       | 7.0     | 10.0    | M6           | 4           |            | AROHMR70104T  |
|       |         |         |              | 5           |            | AROHMR70105T  |
|       |         |         |              | 7           |            | AROHMR70107T  |
|       | 8.0     | 9.0     | M7           | 4           |            | AROHMR80904T  |
|       |         |         |              | 5           |            | AROHMR80905T  |
|       |         |         |              | 7           |            | AROHMR80907T  |
|       | 8.0     | 10.0    | M8           | 4           |            | AROHMR80104T  |
|       |         |         |              | 5           |            | AROHMR80105T  |
|       |         |         |              | 7           |            | AROHMR80107T  |
|       | 6.0     | 7.0     | M1           | 4           | Non-Octa   | AROHMR60704NT |
|       |         |         |              | 5           |            | AROHMR60705NT |
|       |         |         |              | 7           |            | AROHMR60707NT |
|       | 6.0     | 8.0     | M2           | 4           |            | AROHMR60804NT |
|       |         |         |              | 5           |            | AROHMR60805NT |
|       |         |         |              | 7           |            | AROHMR60807NT |
|       | 6.0     | 9.0     | M3           | 4           |            | AROHMR60904NT |
|       |         |         |              | 5           |            | AROHMR60905NT |
|       |         |         |              | 7           |            | AROHMR60907NT |
|       | 7.0     | 8.0     | M4           | 4           |            | AROHMR70804NT |
|       |         |         |              | 5           |            | AROHMR70805NT |
|       |         |         |              | 7           |            | AROHMR70807NT |
|       | 7.0     | 9.0     | M5           | 4           |            | AROHMR70904NT |
|       |         |         |              | 5           |            | AROHMR70905NT |
|       |         |         |              | 7           |            | AROHMR70907NT |
|       | 7.0     | 10.0    | M6           | 4           |            | AROHMR70104NT |
|       |         |         |              | 5           |            | AROHMR70105NT |
|       |         |         |              | 7           |            | AROHMR70107NT |
|       | 8.0     | 9.0     | M7           | 4           |            | AROHMR80904NT |
|       |         |         |              | 5           |            | AROHMR80905NT |
|       |         |         |              | 7           |            | AROHMR80907NT |
|       | 8.0     | 10.0    | M8           | 4           |            | AROHMR80104NT |
|       |         |         |              | 5           |            | AROHMR80105NT |
|       |         |         |              | 7           |            | AROHMR80107NT |



| Type    | MD (mm) | LB (mm) | Position No. | Height (mm) | Connection | Ref.C         |
|---------|---------|---------|--------------|-------------|------------|---------------|
| Special | 4.5     | 6.0     | S1           | 4           | Octa       | AROHSR45604T  |
|         |         |         |              | 5           |            | AROHSR45605T  |
|         |         |         |              | 7           |            | AROHSR45607T  |
|         | 5.0     | 6.5     | S2           | 4           |            | AROHSR50654T  |
|         |         |         |              | 5           |            | AROHSR50655T  |
|         |         |         |              | 7           |            | AROHSR50657T  |
|         | 5.0     | 7.0     | S3           | 4           |            | AROHSR50704T  |
|         |         |         |              | 5           |            | AROHSR50705T  |
|         |         |         |              | 7           |            | AROHSR50707T  |
|         | 6.0     | 7.0     | S4           | 4           |            | AROHSR60704T  |
|         |         |         |              | 5           |            | AROHSR60705T  |
|         |         |         |              | 7           |            | AROHSR60707T  |
|         | 6.0     | 8.0     | S5           | 4           |            | AROHSR60804T  |
|         |         |         |              | 5           |            | AROHSR60805T  |
|         |         |         |              | 7           |            | AROHSR60807T  |
|         | 6.0     | 9.0     | S6           | 4           |            | AROHSR60904T  |
|         |         |         |              | 5           |            | AROHSR60905T  |
|         |         |         |              | 7           |            | AROHSR60907T  |
|         | 7.0     | 8.0     | S7           | 4           |            | AROHSR70804T  |
|         |         |         |              | 5           |            | AROHSR70805T  |
|         |         |         |              | 7           |            | AROHSR70807T  |
|         | 7.0     | 9.0     | S8           | 4           |            | AROHSR70904T  |
|         |         |         |              | 5           |            | AROHSR70905T  |
|         |         |         |              | 7           |            | AROHSR70907T  |
|         | 7.0     | 10.0    | S9           | 4           |            | AROHSR70104T  |
|         |         |         |              | 5           |            | AROHSR70105T  |
|         |         |         |              | 7           |            | AROHSR70107T  |
|         | 8.0     | 9.0     | S10          | 4           |            | AROHSR80904T  |
|         |         |         |              | 5           |            | AROHSR80905T  |
|         |         |         |              | 7           |            | AROHSR80907T  |
|         | 8.0     | 10.0    | S11          | 4           |            | AROHSR80104T  |
|         |         |         |              | 5           |            | AROHSR80105T  |
|         |         |         |              | 7           |            | AROHSR80107T  |
|         | 4.5     | 6.0     | S1           | 4           | Non-Octa   | AROHSR45604NT |
|         |         |         |              | 5           |            | AROHSR45605NT |
|         |         |         |              | 7           |            | AROHSR45607NT |
|         | 5.0     | 6.5     | S2           | 4           |            | AROHSR50654NT |
|         |         |         |              | 5           |            | AROHSR50655NT |
|         |         |         |              | 7           |            | AROHSR50657NT |
|         | 5.0     | 7.0     | S3           | 4           |            | AROHSR50704NT |
|         |         |         |              | 5           |            | AROHSR50705NT |
|         |         |         |              | 7           |            | AROHSR50707NT |
|         | 6.0     | 7.0     | S4           | 4           |            | AROHSR60704NT |
|         |         |         |              | 5           |            | AROHSR60705NT |
|         |         |         |              | 7           |            | AROHSR60707NT |
|         | 6.0     | 8.0     | S5           | 4           |            | AROHSR60804NT |
|         |         |         |              | 5           |            | AROHSR60805NT |
|         |         |         |              | 7           |            | AROHSR60807NT |
|         | 6.0     | 9.0     | S6           | 4           |            | AROHSR60904NT |
|         |         |         |              | 5           |            | AROHSR60905NT |
|         |         |         |              | 7           |            | AROHSR60907NT |
|         | 7.0     | 8.0     | S7           | 4           |            | AROHSR70804NT |
|         |         |         |              | 5           |            | AROHSR70805NT |
|         |         |         |              | 7           |            | AROHSR70807NT |
|         | 7.0     | 9.0     | S8           | 4           |            | AROHSR70904NT |
|         |         |         |              | 5           |            | AROHSR70905NT |
|         |         |         |              | 7           |            | AROHSR70907NT |
|         | 7.0     | 10.0    | S9           | 4           |            | AROHSR70104NT |
|         |         |         |              | 5           |            | AROHSR70105NT |
|         |         |         |              | 7           |            | AROHSR70107NT |
|         | 8.0     | 9.0     | S10          | 4           |            | AROHSR80904NT |
|         |         |         |              | 5           |            | AROHSR80905NT |
|         |         |         |              | 7           |            | AROHSR80907NT |
|         | 8.0     | 10.0    | S11          | 4           |            | AROHSR80104NT |
|         |         |         |              | 5           |            | AROHSR80105NT |
|         |         |         |              | 7           |            | AROHSR80107NT |

# Abutment & Prosthetic Options

## I. Fixture Level Prosthesis



## ➡ Impression Copings & Temporary Abutment\_Platform Type

### Impression Coping

(2-piece, transfer type  
for Closed-tray technique)

- Guide pin (AROGPT12/ 16) included

- For use with Closed-tray technique
- Design ensures easy & accurate transfer of fixture position
- Flat surface of impression coping aligns with flat Octa surface within fixture
- Use Transfer Driver & Hand Driver (1.2Hex) to ensure impression coping is properly tightened

| Profile Diameter | Height (mm) | Ref.C        |
|------------------|-------------|--------------|
| Ø4.0             | 12          | AROICTN4012T |
|                  | 16          | AROICTN4016T |

| Profile Diameter | Height (mm) | Ref.C        |
|------------------|-------------|--------------|
| Ø5.0             | 12          | AROICTR5012T |
|                  | 16          | AROICTR5016T |

### Impression Coping

(2-piece, pick-up type  
for Open-tray technique)

- Guide pin (AROGPP10/ 15/ 20) included

- For use with Open-tray technique
- Most beneficial for multiple fixtures that will be splinted together
- Tray angle body design ensures stability within impression & accurate transfer of fixture position
- Extra-long guide pin can be purchased separately (AROGPP25)

| Profile Diameter | Height (mm) | Ref.C        |
|------------------|-------------|--------------|
| Ø4.0             | 12          | AROICPN4012T |
|                  | 16          | AROICPN4016T |

| Profile Diameter | Height (mm) | Ref.C        |
|------------------|-------------|--------------|
| Ø5.0             | 7           | AROICPR5007T |
|                  | 12          | AROICPR5012T |

### Temporary Abutment

(Titanium)

- Abutment screw (AROAS16B/ AROAS16) included

- For use when making provisional restoration
- Octa & Non-Octa options
- Grooved surface on abutment post allows better retention of resin or wax
- Recommended torque: 25Ncm

| Profile Diameter | C.H (mm) | Type     | Ref.C        |
|------------------|----------|----------|--------------|
| Ø3.0             | 2        | Octa     | AROTANO3210T |
|                  |          | Non-Octa | AROTANN3210T |
|                  | 3        | Octa     | AROTANO3310T |
|                  |          | Non-Octa | AROTANN3310T |
| Ø4.0             | 2        | Octa     | AROTANO4210T |
|                  |          | Non-Octa | AROTANN4210T |
|                  | 3        | Octa     | AROTANO4310T |
|                  |          | Non-Octa | AROTANN4310T |

| Profile Diameter | C.H (mm) | Type     | Ref.C        |
|------------------|----------|----------|--------------|
| Ø4.5             | 2        | Octa     | AROTARO4210T |
|                  |          | Non-Octa | AROTARN4210T |
|                  | 3        | Octa     | AROTARO4310T |
|                  |          | Non-Octa | AROTARN4310T |
| Ø5.0             | 2        | Octa     | AROTARO5210T |
|                  |          | Non-Octa | AROTARN5210T |
|                  | 3        | Octa     | AROTARO5310T |
|                  |          | Non-Octa | AROTARN5310T |

## ➡ Impression Coping & Analog\_Internal Type (Continued)

### Impression Coping

(2-piece, Transfer Type)  
(for Closed-tray Technique)

- Guide pin (AROGPT12/ 16) included

- For use with Closed-tray technique
- Flat surface of impression coping aligns with flat Octa surface within fixture
- Use Transfer Driver & Hand Driver (1.2Hex) to ensure impression coping is properly tightened
- Octa & Bridge options
- Gingival height can be inferred through groove (1mm gap)
- Guide Pin will not be fastened if it's incorrectly fastened

※Availability may vary by country

NC

| Profile  | Cuff Height | Height | Type   | Ref.C        |
|----------|-------------|--------|--------|--------------|
| Diameter | (mm)        | (mm)   |        |              |
| Ø4.0     | 3           | 12     | Octa   | BDICTN4012T  |
|          | 4           | 16     |        | BDICTN4016T  |
| Ø5.0     | 3           | 12     |        | BDICTN5012T  |
|          | 4           | 16     |        | BDICTN5016T  |
| Ø4.0     | 3           | 12     | Bridge | BDICTNB4012T |
|          | 4           | 16     |        | BDICTNB4016T |
| Ø5.0     | 3           | 12     |        | BDICTNB5012T |
|          | 4           | 16     |        | BDICTNB5016T |

RC

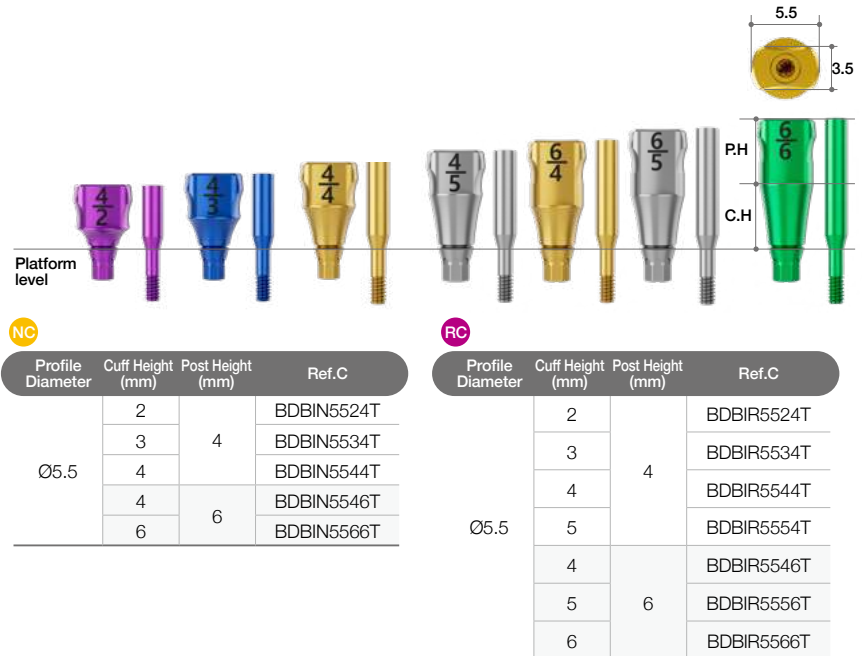
| Profile  | Cuff Height | Height | Type   | Ref.C        |
|----------|-------------|--------|--------|--------------|
| Diameter | (mm)        | (mm)   |        |              |
| Ø4.0     | 3           | 12     | Octa   | BDICTR4012T  |
|          | 4           | 16     |        | BDICTR4016T  |
| Ø5.0     | 3           | 12     |        | BDICTR5012T  |
|          | 4           | 16     |        | BDICTR5016T  |
| Ø6.0     | 3           | 12     | Bridge | BDICTR6012T  |
|          | 4           | 16     |        | BDICTR6016T  |
| Ø7.0     | 3           | 12     |        | BDICTR7012T  |
|          | 4           | 16     |        | BDICTR7016T  |
| Ø4.0     | 3           | 12     | Bridge | BDICTRB4012T |
|          | 4           | 16     |        | BDICTRB4016T |
| Ø5.0     | 3           | 12     |        | BDICTRB5012T |
|          | 4           | 16     |        | BDICTRB5016T |
| Ø6.0     | 3           | 12     |        | BDICTRB6012T |
|          | 4           | 16     |        | BDICTRB6016T |
| Ø7.0     | 3           | 12     |        | BDICTRB7012T |
|          | 4           | 16     |        | BDICTRB7016T |

## ➡ Impression Coping & Analog

### Bite Impression Coping

- Guide pin (BIGP1624/1634/1644/1654/1646/1656/1666) included

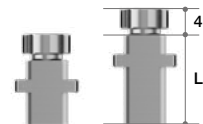
- Bite Tray can be used to solve the opposing teeth and impressions at once
  - By giving a groove for final tightening, it's possible to check the connection by X-ray
  - Screw will not be tightened if the coping and the fixture are not properly connected
  - Exclusive B.I.C Carrier is used to tight the Impression Coping conveniently
  - Different color according to Cuff Size
- ※Availability may vary by country



### B.I.C Carrier

- Bite Impression Coping can be transferred and fastened at once
- ※Availability may vary by country

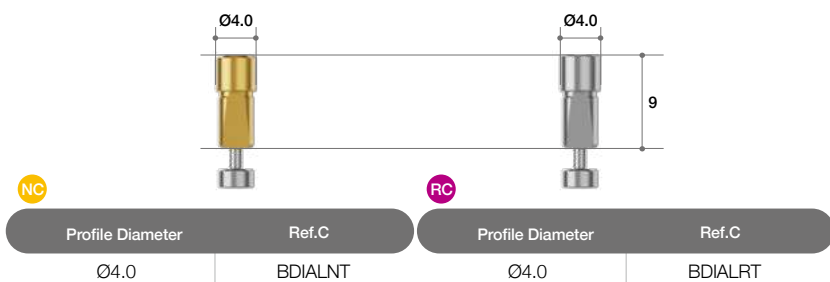
| Length (mm) | Ref.C  |
|-------------|--------|
| 10          | BICC10 |
| 14          | BICC14 |



### Analog

- Analog Screw(ALS18) included.

- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape
  - exocad
- 2 piece type

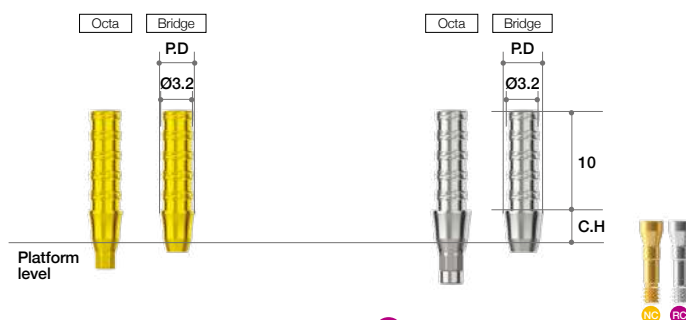


## ➡ Temporary Abutment

### Temporary Abutment

- Abutment screw (AROAS16B/ AROAS16) included

- For use when making provisional restoration
- Octa & Bridge options
- Grooved surface on abutment post allows better retention of resin or wax
- Recommended torque: 25Ncm
- ※Availability may vary by country



NC

| Profile Diameter | Cuff Height (mm) | Type   | Ref.C         |
|------------------|------------------|--------|---------------|
| Ø3.5             | 2                | Octa   | AROTANO35210T |
|                  | 3                |        | AROTANO35310T |
|                  | 4                |        | AROTANO35410T |
|                  | 5                |        | AROTANO35510T |
| Ø4.0             | 2                |        | AROTANO40210T |
|                  | 3                |        | AROTANO40310T |
|                  | 4                |        | AROTANO40410T |
|                  | 5                |        | AROTANO40510T |
| Ø4.5             | 2                |        | AROTANO45210T |
|                  | 3                |        | AROTANO45310T |
|                  | 4                |        | AROTANO45410T |
|                  | 5                |        | AROTANO45510T |
| Ø3.5             | 2                | Bridge | BDTANB35210T  |
|                  | 3                |        | BDTANB35310T  |
|                  | 4                |        | BDTANB35410T  |
|                  | 5                |        | BDTANB35510T  |
| Ø4.0             | 2                |        | BDTANB40210T  |
|                  | 3                |        | BDTANB40310T  |
|                  | 4                |        | BDTANB40410T  |
|                  | 5                |        | BDTANB40510T  |
| Ø4.5             | 2                |        | BDTANB45210T  |
|                  | 3                |        | BDTANB45310T  |
|                  | 4                |        | BDTANB45410T  |
|                  | 5                |        | BDTANB45510T  |

RC

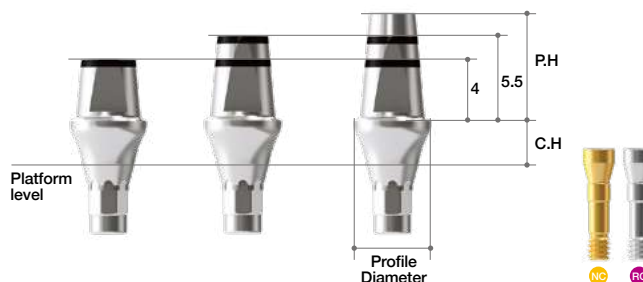
| Profile Diameter | Cuff Height (mm) | Type   | Ref.C         |
|------------------|------------------|--------|---------------|
| Ø4.0             | 2                | Octa   | AROTARO40210T |
|                  | 3                |        | AROTARO40310T |
|                  | 4                |        | AROTARO40410T |
|                  | 5                |        | AROTARO40510T |
| Ø4.5             | 2                |        | AROTARO45210T |
|                  | 3                |        | AROTARO45310T |
|                  | 4                |        | AROTARO45410T |
|                  | 5                |        | AROTARO45510T |
| Ø4.0             | 2                | Bridge | BDTARB40210T  |
|                  | 3                |        | BDTARB40310T  |
|                  | 4                |        | BDTARB40410T  |
|                  | 5                |        | BDTARB40510T  |
| Ø4.5             | 2                |        | BDTARB45210T  |
|                  | 3                |        | BDTARB45310T  |
|                  | 4                |        | BDTARB45410T  |
|                  | 5                |        | BDTARB45510T  |

## ➡ Abutment Options (Continued)

### EZ Post Abutment

- Abutment screw (AROAS16B/ AROAS16) included

- For use with cement-retained restoration
- Post Heights: 4.0/ 5.5/ 7mm
- Profile Diameters: Ø4/ Ø5/ Ø6/ Ø7
- Cuff Heights: 1/ 2/ 3/ 4/ 5mm
- Biological S-line provides seamless natural-looking & more functional emergence profile
- Laser markings at 4 & 5.5mm from platform level
- Color-coded for different profile diameters
- Recommended torque: 35Ncm
- Abutment Screw Head Long Type (AROAS16BL/ AROAS16L) can be purchased separately (Availability may vary by country)



| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
|------------------|-----------------|-----------------|-------------|
| Ø4.0             | 1               | 4.0             | AROEPN4014T |
|                  |                 |                 | AROEPN4024T |
|                  |                 |                 | AROEPN4034T |
|                  |                 |                 | AROEPN4044T |
|                  |                 |                 | AROEPN4054T |
|                  | 2               | 5.5             | AROEPN4015T |
|                  |                 |                 | AROEPN4025T |
|                  |                 |                 | AROEPN4035T |
|                  |                 |                 | AROEPN4045T |
|                  |                 |                 | AROEPN4055T |
|                  | 3               | 7.0             | AROEPN4017T |
|                  |                 |                 | AROEPN4027T |
|                  |                 |                 | AROEPN4037T |
|                  |                 |                 | AROEPN4047T |
|                  |                 |                 | AROEPN4057T |
| Ø5.0             | 1               | 4.0             | AROEPN5014T |
|                  |                 |                 | AROEPN5024T |
|                  |                 |                 | AROEPN5034T |
|                  |                 |                 | AROEPN5044T |
|                  |                 |                 | AROEPN5054T |
|                  | 2               | 5.5             | AROEPN5015T |
|                  |                 |                 | AROEPN5025T |
|                  |                 |                 | AROEPN5035T |
|                  |                 |                 | AROEPN5045T |
|                  |                 |                 | AROEPN5055T |
|                  | 3               | 7.0             | AROEPN5017T |
|                  |                 |                 | AROEPN5027T |
|                  |                 |                 | AROEPN5037T |
|                  |                 |                 | AROEPN5047T |
|                  |                 |                 | AROEPN5057T |

| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
|------------------|-----------------|-----------------|-------------|
| Ø5.0             | 1               | 4.0             | AROEPR5014T |
|                  |                 |                 | AROEPR5024T |
|                  |                 |                 | AROEPR5034T |
|                  |                 |                 | AROEPR5044T |
|                  |                 |                 | AROEPR5054T |
|                  | 2               | 5.5             | AROEPR5015T |
|                  |                 |                 | AROEPR5025T |
|                  |                 |                 | AROEPR5035T |
|                  |                 |                 | AROEPR5045T |
|                  |                 |                 | AROEPR5055T |
|                  | 3               | 7.0             | AROEPR5017T |
|                  |                 |                 | AROEPR5027T |
|                  |                 |                 | AROEPR5037T |
|                  |                 |                 | AROEPR5047T |
|                  |                 |                 | AROEPR5057T |
| Ø6.0             | 1               | 4.0             | AROEPR6014T |
|                  |                 |                 | AROEPR6024T |
|                  |                 |                 | AROEPR6034T |
|                  |                 |                 | AROEPR6044T |
|                  |                 |                 | AROEPR6054T |
|                  | 2               | 5.5             | AROEPR6015T |
|                  |                 |                 | AROEPR6025T |
|                  |                 |                 | AROEPR6035T |
|                  |                 |                 | AROEPR6045T |
|                  |                 |                 | AROEPR6055T |
|                  | 3               | 7.0             | AROEPR6017T |
|                  |                 |                 | AROEPR6027T |
|                  |                 |                 | AROEPR6037T |
|                  |                 |                 | AROEPR6047T |
|                  |                 |                 | AROEPR6057T |
| Ø7.0             | 1               | 4.0             | AROEPR7014T |
|                  |                 |                 | AROEPR7024T |
|                  |                 |                 | AROEPR7034T |
|                  |                 |                 | AROEPR7044T |
|                  |                 |                 | AROEPR7054T |
|                  | 2               | 5.5             | AROEPR7015T |
|                  |                 |                 | AROEPR7025T |
|                  |                 |                 | AROEPR7035T |
|                  |                 |                 | AROEPR7045T |
|                  |                 |                 | AROEPR7055T |
|                  | 3               | 7.0             | AROEPR7017T |
|                  |                 |                 | AROEPR7027T |
|                  |                 |                 | AROEPR7037T |
|                  |                 |                 | AROEPR7047T |
|                  |                 |                 | AROEPR7057T |

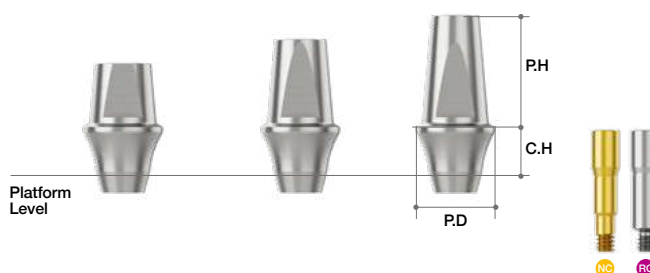
## ➡ Abutment Options (Continued)

### EZ Post Abutment

(Bridge)

- Abutment screw(BDEPBAS16B/ BDEPBAS16) included

- For use with cement-retained restoration
- Post Heights: 4.0/ 5.5/ 7mm
- Profile Diameters: Ø4/ Ø5/ Ø6/ Ø7
- Cuff Heights: 1/ 2/ 3/ 4/ 5mm
- Biological S-line provides seamless natural-looking & more functional emergence profile
- Color-coded for different profile diameters
- Recommended torque: 35Ncm
- ※ Availability may vary by country



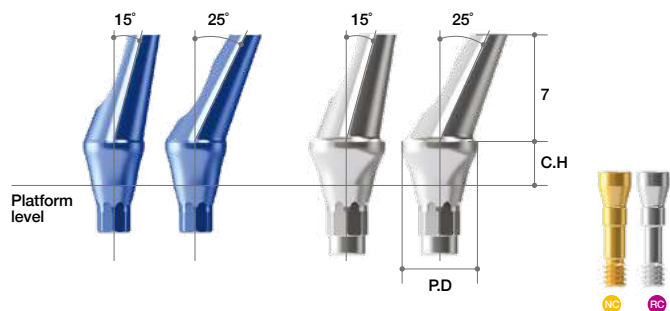
| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
|------------------|-----------------|-----------------|-------------|
| Ø4.0             | 1               | 4.0             | BDEPNB4014T |
|                  | 2               |                 | BDEPNB4024T |
|                  | 3               |                 | BDEPNB4034T |
|                  | 4               |                 | BDEPNB4044T |
|                  | 5               |                 | BDEPNB4054T |
|                  | 1               | 5.5             | BDEPNB4015T |
|                  | 2               |                 | BDEPNB4025T |
|                  | 3               |                 | BDEPNB4035T |
|                  | 4               |                 | BDEPNB4045T |
|                  | 5               |                 | BDEPNB4055T |
|                  | 1               | 7.0             | BDEPNB4017T |
|                  | 2               |                 | BDEPNB4027T |
|                  | 3               |                 | BDEPNB4037T |
|                  | 4               |                 | BDEPNB4047T |
|                  | 5               |                 | BDEPNB4057T |
| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
| Ø5.0             | 1               | 4.0             | BDEPNB5014T |
|                  | 2               |                 | BDEPNB5024T |
|                  | 3               |                 | BDEPNB5034T |
|                  | 4               |                 | BDEPNB5044T |
|                  | 5               |                 | BDEPNB5054T |
|                  | 1               | 5.5             | BDEPNB5015T |
|                  | 2               |                 | BDEPNB5025T |
|                  | 3               |                 | BDEPNB5035T |
|                  | 4               |                 | BDEPNB5045T |
|                  | 5               |                 | BDEPNB5055T |
|                  | 1               | 7.0             | BDEPNB5017T |
|                  | 2               |                 | BDEPNB5027T |
|                  | 3               |                 | BDEPNB5037T |
|                  | 4               |                 | BDEPNB5047T |
|                  | 5               |                 | BDEPNB5057T |

| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
|------------------|-----------------|-----------------|-------------|
| Ø5.0             | 1               | 4.0             | BDEPRB5014T |
|                  | 2               |                 | BDEPRB5024T |
|                  | 3               |                 | BDEPRB5034T |
|                  | 4               |                 | BDEPRB5044T |
|                  | 5               |                 | BDEPRB5054T |
|                  | 1               | 5.5             | BDEPRB5015T |
|                  | 2               |                 | BDEPRB5025T |
|                  | 3               |                 | BDEPRB5035T |
|                  | 4               |                 | BDEPRB5045T |
|                  | 5               |                 | BDEPRB5055T |
|                  | 1               | 7.0             | BDEPRB5017T |
|                  | 2               |                 | BDEPRB5027T |
|                  | 3               |                 | BDEPRB5037T |
|                  | 4               |                 | BDEPRB5047T |
|                  | 5               |                 | BDEPRB5057T |
| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
| Ø6.0             | 1               | 4.0             | BDEPRB6014T |
|                  | 2               |                 | BDEPRB6024T |
|                  | 3               |                 | BDEPRB6034T |
|                  | 4               |                 | BDEPRB6044T |
|                  | 5               |                 | BDEPRB6054T |
|                  | 1               | 5.5             | BDEPRB6015T |
|                  | 2               |                 | BDEPRB6025T |
|                  | 3               |                 | BDEPRB6035T |
|                  | 4               |                 | BDEPRB6045T |
|                  | 5               |                 | BDEPRB6055T |
|                  | 1               | 7.0             | BDEPRB6017T |
|                  | 2               |                 | BDEPRB6027T |
|                  | 3               |                 | BDEPRB6037T |
|                  | 4               |                 | BDEPRB6047T |
|                  | 5               |                 | BDEPRB6057T |
| Profile Diameter | Cuff Height(mm) | Post Height(mm) | Ref.C       |
| Ø7.0             | 1               | 4.0             | BDEPRB7014T |
|                  | 2               |                 | BDEPRB7024T |
|                  | 3               |                 | BDEPRB7034T |
|                  | 4               |                 | BDEPRB7044T |
|                  | 5               |                 | BDEPRB7054T |
|                  | 1               | 5.5             | BDEPRB7015T |
|                  | 2               |                 | BDEPRB7025T |
|                  | 3               |                 | BDEPRB7035T |
|                  | 4               |                 | BDEPRB7045T |
|                  | 5               |                 | BDEPRB7055T |
|                  | 1               | 7.0             | BDEPRB7017T |
|                  | 2               |                 | BDEPRB7027T |
|                  | 3               |                 | BDEPRB7037T |
|                  | 4               |                 | BDEPRB7047T |
|                  | 5               |                 | BDEPRB7057T |

## Angled Abutment

- Abutment screw (AROAS16B/ AROAS16) included

- Angulations: 15°, 25°
- Profile diameters: Ø4.0, 5.0, 6.0, 7.0
- Cuff heights: 1, 2, 3, 4, 5mm
- 16 directions covered: 8 to surface(Octa), 8 to Octa edge
- Color-coded by diameter for better identification
- Minimized screw head length & height to prevent milling problems
- Recommended torque: 35Ncm



| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø4.0             | 1               | Octa | 15°   | AR0AAON4115T |
|                  | 2               |      |       | AR0AAON4215T |
|                  | 3               |      |       | AR0AAON4315T |
|                  | 4               |      |       | AR0AAON4415T |
|                  | 5               |      |       | AR0AAON4515T |
|                  | 1               | Edge |       | AR0AAEN4115T |
|                  | 2               |      |       | AR0AAEN4215T |
|                  | 3               |      |       | AR0AAEN4315T |
|                  | 4               |      |       | AR0AAEN4415T |
|                  | 5               |      |       | AR0AAEN4515T |




| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø4.0             | 1               | Octa | 25°   | AR0AAON4125T |
|                  | 2               |      |       | AR0AAON4225T |
|                  | 3               |      |       | AR0AAON4325T |
|                  | 4               |      |       | AR0AAON4425T |
|                  | 5               |      |       | AR0AAON4525T |
|                  | 1               | Edge |       | AR0AAEN4125T |
|                  | 2               |      |       | AR0AAEN4225T |
|                  | 3               |      |       | AR0AAEN4325T |
|                  | 4               |      |       | AR0AAEN4425T |
|                  | 5               |      |       | AR0AAEN4525T |

NC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø5.0             | 1               | Octa | 15°   | AR0AAON5115T |
|                  | 2               |      |       | AR0AAON5215T |
|                  | 3               |      |       | AR0AAON5315T |
|                  | 4               |      |       | AR0AAON5415T |
|                  | 5               |      |       | AR0AAON5515T |
|                  | 1               | Edge |       | AR0AAEN5115T |
|                  | 2               |      |       | AR0AAEN5215T |
|                  | 3               |      |       | AR0AAEN5315T |
|                  | 4               |      |       | AR0AAEN5415T |
|                  | 5               |      |       | AR0AAEN5515T |

NC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø5.0             | 1               | Octa | 25°   | AR0AAON5125T |
|                  | 2               |      |       | AR0AAON5225T |
|                  | 3               |      |       | AR0AAON5325T |
|                  | 4               |      |       | AR0AAON5425T |
|                  | 5               |      |       | AR0AAON5525T |
|                  | 1               | Edge |       | AR0AAEN5125T |
|                  | 2               |      |       | AR0AAEN5225T |
|                  | 3               |      |       | AR0AAEN5325T |
|                  | 4               |      |       | AR0AAEN5425T |
|                  | 5               |      |       | AR0AAEN5525T |

## ➡ Abutment Options

### Angled Abutment

RC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø5.0             | 1               | Octa | 15°   | AR0AAOR5115T |
|                  | 2               |      |       | AR0AAOR5215T |
|                  | 3               |      |       | AR0AAOR5315T |
|                  | 4               |      |       | AR0AAOR5415T |
|                  | 5               |      |       | AR0AAOR5515T |
|                  | 1               | Edge |       | AR0AAER5115T |
|                  | 2               |      |       | AR0AAER5215T |
|                  | 3               |      |       | AR0AAER5315T |
|                  | 4               |      |       | AR0AAER5415T |
|                  | 5               |      |       | AR0AAER5515T |

RC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø5.0             | 1               | Octa | 25°   | AR0AAOR5125T |
|                  | 2               |      |       | AR0AAOR5225T |
|                  | 3               |      |       | AR0AAOR5325T |
|                  | 4               |      |       | AR0AAOR5425T |
|                  | 5               |      |       | AR0AAOR5525T |
|                  | 1               | Edge |       | AR0AAER5125T |
|                  | 2               |      |       | AR0AAER5225T |
|                  | 3               |      |       | AR0AAER5325T |
|                  | 4               |      |       | AR0AAER5425T |
|                  | 5               |      |       | AR0AAER5525T |

RC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø6.0             | 1               | Octa | 15°   | AR0AAOR6115T |
|                  | 2               |      |       | AR0AAOR6215T |
|                  | 3               |      |       | AR0AAOR6315T |
|                  | 4               |      |       | AR0AAOR6415T |
|                  | 5               |      |       | AR0AAOR6515T |
|                  | 1               | Edge |       | AR0AAER6115T |
|                  | 2               |      |       | AR0AAER6215T |
|                  | 3               |      |       | AR0AAER6315T |
|                  | 4               |      |       | AR0AAER6415T |
|                  | 5               |      |       | AR0AAER6515T |

RC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø6.0             | 1               | Octa | 25°   | AR0AAOR6125T |
|                  | 2               |      |       | AR0AAOR6225T |
|                  | 3               |      |       | AR0AAOR6325T |
|                  | 4               |      |       | AR0AAOR6425T |
|                  | 5               |      |       | AR0AAOR6525T |
|                  | 1               | Edge |       | AR0AAER6125T |
|                  | 2               |      |       | AR0AAER6225T |
|                  | 3               |      |       | AR0AAER6325T |
|                  | 4               |      |       | AR0AAER6425T |
|                  | 5               |      |       | AR0AAER6525T |

RC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø7.0             | 1               | Octa | 15°   | AR0AAOR7115T |
|                  | 2               |      |       | AR0AAOR7215T |
|                  | 3               |      |       | AR0AAOR7315T |
|                  | 4               |      |       | AR0AAOR7415T |
|                  | 5               |      |       | AR0AAOR7515T |
|                  | 1               | Edge |       | AR0AAER7115T |
|                  | 2               |      |       | AR0AAER7215T |
|                  | 3               |      |       | AR0AAER7315T |
|                  | 4               |      |       | AR0AAER7415T |
|                  | 5               |      |       | AR0AAER7515T |

RC

| Profile Diameter | Cuff Height(mm) | Type | Angle | Ref.C        |
|------------------|-----------------|------|-------|--------------|
| Ø7.0             | 1               | Octa | 25°   | AR0AAOR7125T |
|                  | 2               |      |       | AR0AAOR7225T |
|                  | 3               |      |       | AR0AAOR7325T |
|                  | 4               |      |       | AR0AAOR7425T |
|                  | 5               |      |       | AR0AAOR7525T |
|                  | 1               | Edge |       | AR0AAER7125T |
|                  | 2               |      |       | AR0AAER7225T |
|                  | 3               |      |       | AR0AAER7325T |
|                  | 4               |      |       | AR0AAER7425T |
|                  | 5               |      |       | AR0AAER7525T |

## Milling Abutment

- Abutment screw (AROAS16B/ AROAS16) included

- Long post enables easier customization for milling
- Recommended torque: 35Ncm



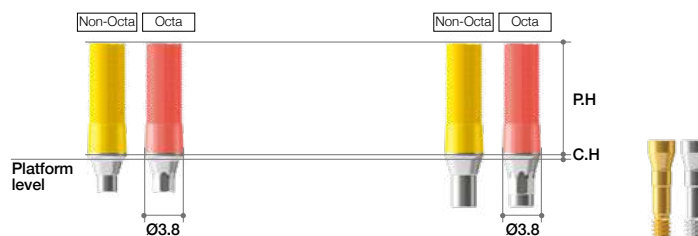
| Profile Diameter | Cuff Height (mm) | Post Height (mm) | Ref.C       |
|------------------|------------------|------------------|-------------|
| Ø6.0             | 1                | 9                | AROMAN6019T |
|                  | 2                |                  | AROMAN6029T |
|                  | 3                |                  | AROMAN6039T |
|                  | 4                |                  | AROMAN6049T |
|                  | 5                |                  | AROMAN6059T |

| Profile Diameter | Cuff Height (mm) | Post Height (mm) | Ref.C       |
|------------------|------------------|------------------|-------------|
| Ø8.0             | 1                | 9                | AROMAR8019T |
|                  | 2                |                  | AROMAR8029T |
|                  | 3                |                  | AROMAR8039T |
|                  | 4                |                  | AROMAR8049T |
|                  | 5                |                  | AROMAR8059T |

## CCM Abutment

- Abutment screw (AROAS16B/ AROAS16) included

- For use with difficult customized abutment
- Can be cast with non-precious alloys(Ni-Cr, Cr-Co alloys)
- Non-precious melting temperature: depends on manufacturer
- Threaded sleeves for convenient resin / wax-up
- CCM melting temperature: 1300~1400°C
- Recommended torque: 35Ncm

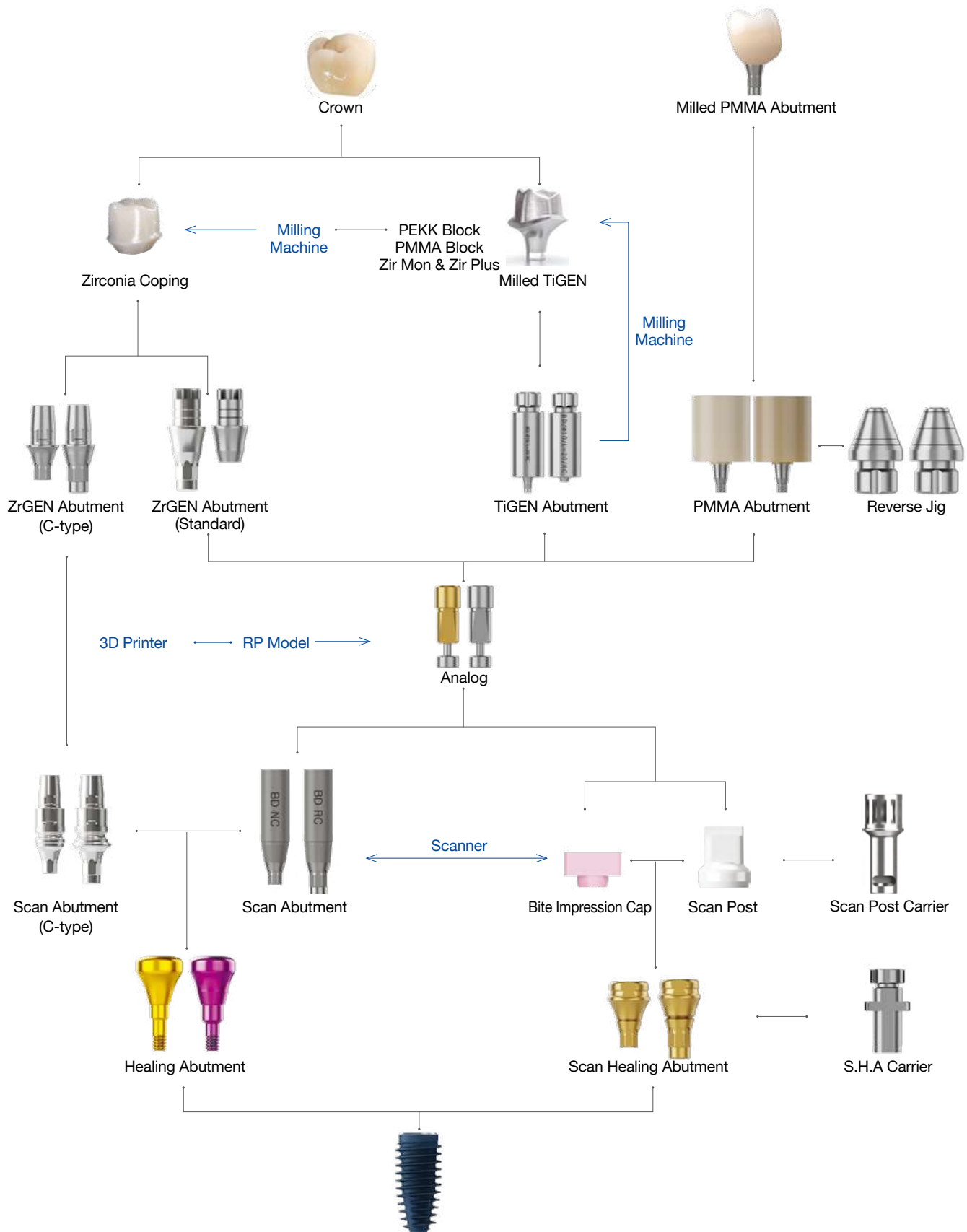


| Profile Diameter | Cuff Height (mm) | Post Height (mm) | Type     | Ref.C         |
|------------------|------------------|------------------|----------|---------------|
| Ø3.8             | 1                | 11               | Octa     | AROCCMNO4111T |
|                  |                  |                  | Non-Octa | AROCCMNN4111T |

| Profile Diameter | Cuff Height (mm) | Post Height (mm) | Type     | Ref.C         |
|------------------|------------------|------------------|----------|---------------|
| Ø3.8             | 1                | 11               | Octa     | AROCCMRO4111T |
|                  |                  |                  | Non-Octa | AROCCMRN4111T |

## I. Fixture Level Prosthesis

# 1. Fixture Level Prosthesis\_Digital

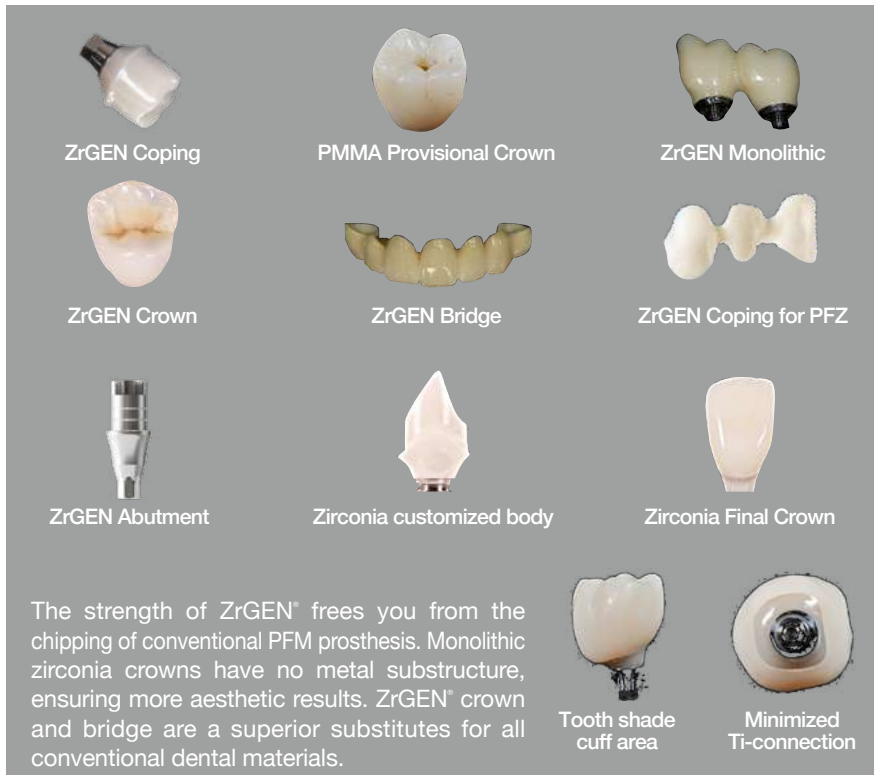


## ►► Digital Material

### I. ZrGEN®

ZrGEN® is the brand name of MegaGen's Titanium Base. ZrGEN provides an aesthetic outcome and simplified dental implant prosthesis. A ZrGEN® crown and monolithic crown connected to a ZrGEN® Abutment provide strong and precise connection with the implant fixture.

#### Variety of ZrGEN®



#### ZrGEN® Sub Structure

#### ZrGEN®

The strength of ZrGEN® frees you from the chipping of conventional PFM prosthesis. Monolithic zirconia crowns have no metal substructure, ensuring more aesthetic results. ZrGEN® crown and bridge are a superior substitutes for all conventional dental materials.

### II. TiGEN®

TiGEN® is the brand name of MegaGen's Pre-milled Abutment. It promises outstanding durability and simplified dental implant prosthesis. Ready-made connection part provides a strong and precise connection with the implant fixture.



#### Clinical Application



## ➡ Scan Abutment options (Continued)

### Scan Abutment

- Abutment Screw included.
- ✓ BLUEDIAMOND NC (SAAROAS16B)
- ✓ BLUEDIAMOND RC (SAAROAS16)

- For Chairside/ Labside
- Spare abutment screw included
- Supporting Dental CAD
  - 3Shape / exocad / Dental Wings
- Recommend torque : By Hand (5~8Ncm)

| System | Profile Diameter | Height (mm) | Ref.C   |
|--------|------------------|-------------|---------|
| NC     | Ø4.0             | 13          | AROSANT |
| RC     |                  |             | AROSART |



### Scan Abutment (C-type)

- Abutment Screw included.
- ✓ BLUEDIAMOND NC (SAAROAS16B)
- ✓ BLUEDIAMOND RC (SAAROAS16)

- ScanPost for CEREC users.
- It is used when the exposure of the post part of ZrGEN Abutment (C-type) is small or when scanning is not easy due to the environment such as interference of surrounding teeth.
- Fasten by using Sirona Scanbody.
- CEREC inLab CAD Software, compatible with Xive Library.
- Recommend torque : By Hand (5~8Ncm)

| Profile Diameter | Cuff Height (mm) | Connection | Ref.C        |
|------------------|------------------|------------|--------------|
| Ø3.9             | 0.5              | S          | AROCSS3405NT |
|                  | 1.0              |            | AROCSS3410NT |
|                  | 2.0              |            | AROCSS3420NT |
| Ø4.3             | 0.5              |            | AROCSS3805NT |
|                  | 1.0              |            | AROCSS3810NT |
|                  | 2.0              |            | AROCSS3820NT |

| Profile Diameter | Cuff Height (mm) | Connection | Ref.C        |
|------------------|------------------|------------|--------------|
| Ø3.9             | 0.5              | S          | AROCSS3405RT |
|                  | 1.0              |            | AROCSS3410RT |
|                  | 2.0              |            | AROCSS3420RT |
| Ø4.3             | 0.5              |            | AROCSS3805RT |
|                  | 1.0              |            | AROCSS3810RT |
|                  | 2.0              |            | AROCSS3820RT |
| Ø5.5             | 0.5              | L          | AROCSL4505RT |
|                  | 1.0              |            | AROCSL4510RT |
|                  | 2.0              |            | AROCSL4520RT |

### Scan Healing Abutment

- Abutment Screw included.
- ✓ BLUEDIAMOND NC/ RC (AROHS1604/ AROHS1605/ AROHS1607/ AROHS1609)

- Scannable Healing Abutment.
- For accurate scanning, Scan Healing Abutment must be exposed at least 2.0mm from surgical site.
- Profile Diameter can be checked by the number of Groove.
  - Profile Diameter : Ø4 → Groove : 0ea
  - Profile Diameter : Ø5 → Groove : 1ea
  - Profile Diameter : Ø6 → Groove : 2ea
  - Profile Diameter : Ø7 → Groove : 3ea
- Height can be checked by the number of Notch.
  - Height : 4mm → Notch : 0ea
  - Height : 5mm → Notch : 1ea
  - Height : 7mm → Notch : 2ea
  - Height : 9mm → Notch : 3ea
- Recommend torque : By Hand (5~8Ncm)
- \* Height 9mm Availability may vary by country

| Profile Diameter | Height (mm) | Ref.C        |
|------------------|-------------|--------------|
| Ø4.0             | 4           | AROISHN4004T |
|                  | 5           | AROISHN4005T |
|                  | 7           | AROISHN4007T |
|                  | 9           | AROISHN4009T |
| Ø5.0             | 4           | AROISHN5004T |
|                  | 5           | AROISHN5005T |
|                  | 7           | AROISHN5007T |
|                  | 9           | AROISHN5009T |

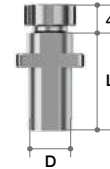
  

| Profile Diameter | Height (mm) | Ref.C        |
|------------------|-------------|--------------|
| Ø4.0             | 4           | AROISHR4004T |
|                  | 5           | AROISHR4005T |
|                  | 7           | AROISHR4007T |
|                  | 9           | AROISHR4009T |
| Ø5.0             | 4           | AROISHR5004T |
|                  | 5           | AROISHR5005T |
|                  | 7           | AROISHR5007T |
|                  | 9           | AROISHR5009T |
| Ø6.0             | 4           | AROISHR6004T |
|                  | 5           | AROISHR6005T |
|                  | 7           | AROISHR6007T |
|                  | 9           | AROISHR6009T |
| Ø7.0             | 4           | AROISHR7004T |
|                  | 5           | AROISHR7005T |
|                  | 7           | AROISHR7007T |
|                  | 9           | AROISHR7009T |

## S.H.A Carrier

- It is used by fastening it to the head of the scan healing abutment.
- It is used when transporting the S.H.A Carrier to the fixture after fastening it to the Scan Healing Abutment.

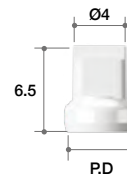
| Diameter | Length (mm) | Ref.C   |
|----------|-------------|---------|
| Ø4.0     | 10          | SHC4010 |
|          | 14          | SHC4014 |
| Ø5.0     | 10          | SHC5010 |
|          | 14          | SHC5014 |
| Ø6.0     | 10          | SHC6010 |
|          | 14          | SHC6014 |
| Ø7.0     | 10          | SHC7010 |
|          | 14          | SHC7014 |



## Scan Post

- Scan Healing Abutment should be exposed 2.0mm from the surgical site for accurate scanning. Scanning would be much easier if you connect Scan Post when scanning seems difficult due to less exposure of Scan Healing Abutment or other conditions.
- Select Scan Post based on the diameter of Scan Healing Abutment
- Scan Post is a disposable product.
- 1 set consists of 10 Scan Posts.

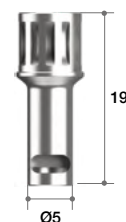
| Profile Diameter | Height (mm) | Ref.C      |
|------------------|-------------|------------|
| Ø4.0             | 6.5         | SP4007.MTN |
| Ø5.0             |             | SP5007.MTN |
| Ø6.0             |             | SP6007.MTN |
| Ø7.0             |             | SP7007.MTN |



## Scan Post Carrier

- It is used by fastening it to the head of the scan post.
- It is used when transporting the scan post to the fixture after fastening it to the scan healing abutment.

| Profile Diameter | Height(mm) | Ref.C |
|------------------|------------|-------|
| Ø5.0             | 19         | SPC16 |

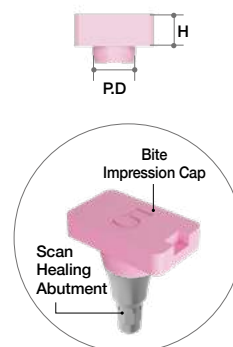


## ➡ Scan Abutment & Analog options

### Bite Impression Cap

- If the Scan Healing Abutment is not exposed to more than 2.0mm at the surgical site or is not easy to scan due to environment such as interference of the surrounding values, the Bite Impression Cap is fastened to obtain the Scan, Impression, or Bite.
  - Bite Impression Cap is selected according to the Profile Diameter of the Scan Healing Abutment.
  - The Bite Impression Cap is for one-time use and includes 5 in 1 set.
- ※ Availability may vary by country

| Profile Diameter | Height (mm) | Ref.C    |
|------------------|-------------|----------|
| Ø4.0             | 2           | BIC4002P |
|                  | 4           | BIC4004P |
|                  | 6           | BIC4006P |
| Ø5.0             | 2           | BIC5002P |
|                  | 4           | BIC5004P |
|                  | 6           | BIC5006P |
| Ø6.0             | 2           | BIC6002P |
|                  | 4           | BIC6004P |
|                  | 6           | BIC6006P |
| Ø7.0             | 2           | BIC7002P |
|                  | 4           | BIC7004P |
|                  | 6           | BIC7006P |



### Analog

- Analog Screw(ALS18) included.

- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape
  - exocad
- 2 piece type



|    |                  |         |    |                  |         |
|----|------------------|---------|----|------------------|---------|
| NC |                  |         | RC |                  |         |
|    | Profile Diameter | Ref.C   |    | Profile Diameter | Ref.C   |
|    | Ø4.0             | BDIALNT |    | Ø4.0             | BDIALRT |

## ➡ PMMA Abutment option

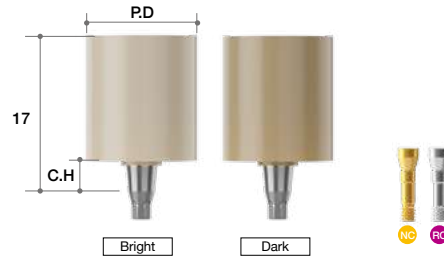
### PMMA Abutment

(Coming Soon)

- Abutment Screw included.
  - ✓ BLUEDIAMOND NC (AROAS16B)
  - ✓ BLUEDIAMOND RC (AROAS16)
- Pre-milled Abutment
  - Pre-milled part : Implant Connection + Cuff (0.6/ 1.5/ 3.0mm)
- Supporting Dental CAD
  - 3Shape
  - exocad
- Supporting Milling Machine
  - BX5
  - MANIX
  - ARUM DENTISTRY(Coming Soon)
- Recommend torque : 25Ncm
- FDA : Approved in 2024
- CE : Approved in 2024

#### [PMMA Abutment Line-Up]

|      | Bright                                                                              |                                                                                     |                                                                                     |
|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      | D8                                                                                  | D12                                                                                 | D16                                                                                 |
| C0.6 |  |  |  |
| C1.5 |  |  |  |
| C3.0 |  |  |  |
|      | Dark                                                                                |                                                                                     |                                                                                     |
|      | D8                                                                                  | D12                                                                                 | D16                                                                                 |
| C0.6 |  |  |  |
| C1.5 |  |  |  |
| C3.0 |  |  |  |



| System | Color  | Profile Diameter | Cuff Height (mm) | Length (mm) | Type | Ref.C       |
|--------|--------|------------------|------------------|-------------|------|-------------|
| NC     | Bright | Ø8               | 0.6              | 17          | Octa | BDPAN0608BT |
|        |        |                  | 1.5              |             |      | BDPAN1508BT |
|        |        |                  | 3.0              |             |      | BDPAN3008BT |
|        |        | Ø12              | 0.6              |             |      | BDPAN0612BT |
|        |        |                  | 1.5              |             |      | BDPAN1512BT |
|        |        |                  | 3.0              |             |      | BDPAN3012BT |
|        |        | Ø16              | 0.6              |             |      | BDPAN0616BT |
|        |        |                  | 1.5              |             |      | BDPAN1516BT |
|        |        |                  | 3.0              |             |      | BDPAN3016BT |
|        | Dark   | Ø8               | 0.6              |             | Octa | BDPAN0608DT |
|        |        |                  | 1.5              |             |      | BDPAN1508DT |
|        |        |                  | 3.0              |             |      | BDPAN3008DT |
|        |        | Ø12              | 0.6              |             |      | BDPAN0612DT |
|        |        |                  | 1.5              |             |      | BDPAN1512DT |
|        |        |                  | 3.0              |             |      | BDPAN3012DT |
|        |        | Ø16              | 0.6              |             |      | BDPAN0616DT |
|        |        |                  | 1.5              |             |      | BDPAN1516DT |
|        |        |                  | 3.0              |             |      | BDPAN3016DT |
| RC     | Bright | Ø8               | 0.6              | 17          | Octa | BDPAR0608BT |
|        |        |                  | 1.5              |             |      | BDPAR1508BT |
|        |        |                  | 3.0              |             |      | BDPAR3008BT |
|        |        | Ø12              | 0.6              |             |      | BDPAR0612BT |
|        |        |                  | 1.5              |             |      | BDPAR1512BT |
|        |        |                  | 3.0              |             |      | BDPAR3012BT |
|        |        | Ø16              | 0.6              |             |      | BDPAR0616BT |
|        |        |                  | 1.5              |             |      | BDPAR1516BT |
|        |        |                  | 3.0              |             |      | BDPAR3016BT |
|        | Dark   | Ø8               | 0.6              |             | Octa | BDPAR0608DT |
|        |        |                  | 1.5              |             |      | BDPAR1508DT |
|        |        |                  | 3.0              |             |      | BDPAR3008DT |
|        |        | Ø12              | 0.6              |             |      | BDPAR0612DT |
|        |        |                  | 1.5              |             |      | BDPAR1512DT |
|        |        |                  | 3.0              |             |      | BDPAR3012DT |
|        |        | Ø16              | 0.6              |             |      | BDPAR0616DT |
|        |        |                  | 1.5              |             |      | BDPAR1516DT |
|        |        |                  | 3.0              |             |      | BDPAR3016DT |

## ➡ ZrGEN Abutment options

### ZrGEN Abutment

- Abutment Screw included.
- ✓ BLUEDIAMOND NC Octa (AROAS16B)
- ✓ BLUEDIAMOND NC Bridge (BDEPBAS16B)
- ✓ BLUEDIAMOND RC Octa (AROAS16)
- ✓ BLUEDIAMOND RC Bridge (BDEPBAS16)

- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
- Supporting Dental CAD
  - 3Shape
  - Exocad
  - Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 4.5mm → Groove : 2ea
  - Post Height : 6mm → Groove : 4ea
  - Post Height : 8mm → Groove : 6ea
- Recommend torque : 35Ncm
- \* Bridge : Availability may vary by country

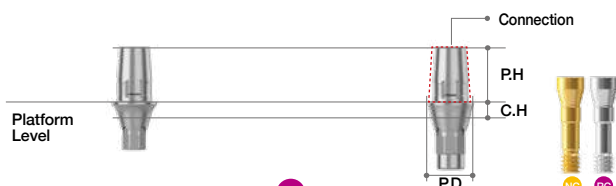


| NC               |                  |                 |        |                | RC               |                  |                 |        |                |  |  |
|------------------|------------------|-----------------|--------|----------------|------------------|------------------|-----------------|--------|----------------|--|--|
| Profile Diameter | Cuff Height (mm) | Post Height(mm) | Type   | Ref.C          | Profile Diameter | Cuff Height (mm) | Post Height(mm) | Type   | Ref.C          |  |  |
| Ø4.0             | 0.6              | 4.5             | Octa   | AROZGN4015.MTN | Ø4.5             | 0.6              | 4.5             | Octa   | AROZGR4515.MTN |  |  |
|                  | 1.5              |                 |        | AROZGN4025.MTN |                  | 1.5              |                 |        | AROZGR4525.MTN |  |  |
|                  | 3.0              |                 |        | AROZGN4035.MTN |                  | 3.0              |                 |        | AROZGR4535.MTN |  |  |
|                  | 4.0              |                 |        | AROZGN4045.MTN |                  | 4.0              |                 |        | AROZGR4545.MTN |  |  |
|                  | 0.6              | 6.0             |        | AROZGN4016.MTN |                  | 0.6              | 6.0             |        | AROZGR4516.MTN |  |  |
|                  | 1.5              |                 |        | AROZGN4026.MTN |                  | 1.5              |                 |        | AROZGR4526.MTN |  |  |
|                  | 3.0              |                 |        | AROZGN4036.MTN |                  | 3.0              |                 |        | AROZGR4536.MTN |  |  |
|                  | 4.0              |                 |        | AROZGN4046.MTN |                  | 4.0              |                 |        | AROZGR4546.MTN |  |  |
|                  | 0.6              | 8.0             |        | AROZGN4018.MTN |                  | 0.6              | 8.0             |        | AROZGR4518.MTN |  |  |
|                  | 1.5              |                 |        | AROZGN4028.MTN |                  | 1.5              |                 |        | AROZGR4528.MTN |  |  |
|                  | 3.0              |                 |        | AROZGN4038.MTN |                  | 3.0              |                 |        | AROZGR4538.MTN |  |  |
|                  | 4.0              |                 |        | AROZGN4048.MTN |                  | 4.0              |                 |        | AROZGR4548.MTN |  |  |
|                  | 0.6              | 4.5             | Bridge | BDZGNB4015.MTN |                  | 0.6              | 4.5             | Bridge | BDZGRB4515.MTN |  |  |
|                  | 1.5              |                 |        | BDZGNB4025.MTN |                  | 1.5              |                 |        | BDZGRB4525.MTN |  |  |
|                  | 3.0              |                 |        | BDZGNB4035.MTN |                  | 3.0              |                 |        | BDZGRB4535.MTN |  |  |
|                  | 4.0              |                 |        | BDZGNB4045.MTN |                  | 4.0              |                 |        | BDZGRB4545.MTN |  |  |
|                  | 0.6              | 6.0             |        | BDZGNB4016.MTN |                  | 0.6              | 6.0             |        | BDZGRB4516.MTN |  |  |
|                  | 1.5              |                 |        | BDZGNB4026.MTN |                  | 1.5              |                 |        | BDZGRB4526.MTN |  |  |
|                  | 3.0              |                 |        | BDZGNB4036.MTN |                  | 3.0              |                 |        | BDZGRB4536.MTN |  |  |
|                  | 4.0              |                 |        | BDZGNB4046.MTN |                  | 4.0              |                 |        | BDZGRB4546.MTN |  |  |
|                  | 0.6              | 8.0             |        | BDZGNB4018.MTN |                  | 0.6              | 8.0             |        | BDZGRB4518.MTN |  |  |
|                  | 1.5              |                 |        | BDZGNB4028.MTN |                  | 1.5              |                 |        | BDZGRB4528.MTN |  |  |
|                  | 3.0              |                 |        | BDZGNB4038.MTN |                  | 3.0              |                 |        | BDZGRB4538.MTN |  |  |
|                  | 4.0              |                 |        | BDZGNB4048.MTN |                  | 4.0              |                 |        | BDZGRB4548.MTN |  |  |

### ZrGEN Abutment

#### (C-type)

- Abutment Screw included.
- ✓ BLUEDIAMOND NC (AROAS16B)
- ✓ BLUEDIAMOND RC (AROAS16)
- Titanium base for CEREC users.
- CEREC inLab CAD Software, compatible with Xive Library.
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw.
- Recommend torque : 35Ncm

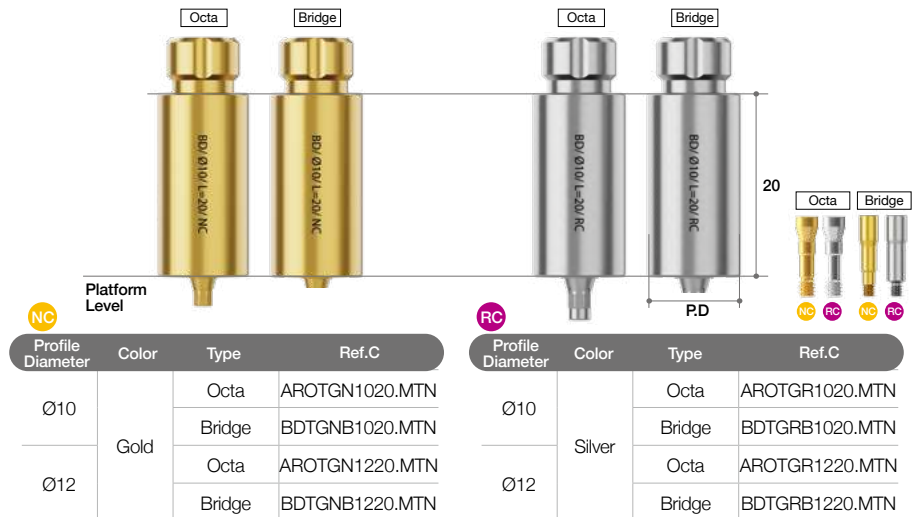


| NC       |             |             |            |                | RC       |             |             |            |                |
|----------|-------------|-------------|------------|----------------|----------|-------------|-------------|------------|----------------|
| Diameter | Cuff Height | Post Height | Connection | Ref.C          | Diameter | Cuff Height | Post Height | Connection | Ref.C          |
| Ø3.9     | 0.5         | 4.7         | S          | AROCSN3405.MTN | Ø3.9     | 0.5         | 4.7         | S          | AROCSR3405.MTN |
|          | 1.0         |             |            | AROCSN3410.MTN |          | 1.0         |             |            | AROCSR3410.MTN |
|          | 2.0         |             |            | AROCSN3420.MTN |          | 2.0         |             |            | AROCSR3420.MTN |
| Ø4.3     | 0.5         | 4.7         | S          | AROCSN3805.MTN | Ø4.3     | 0.5         | 4.7         | S          | AROCSR3805.MTN |
|          | 1.0         |             |            | AROCSN3810.MTN |          | 1.0         |             |            | AROCSR3810.MTN |
|          | 2.0         |             |            | AROCSN3820.MTN |          | 2.0         |             |            | AROCSR3820.MTN |
| Ø5.5     | 0.5         | 4.7         | L          | AROCLR4505.MTN | Ø5.5     | 0.5         | 4.7         | L          | AROCLR4505.MTN |
|          | 1.0         |             |            | AROCLR4510.MTN |          | 1.0         |             |            | AROCLR4510.MTN |
|          | 2.0         |             |            | AROCLR4520.MTN |          | 2.0         |             |            | AROCLR4520.MTN |

## ➡ TiGEN Abutment options (Continued)

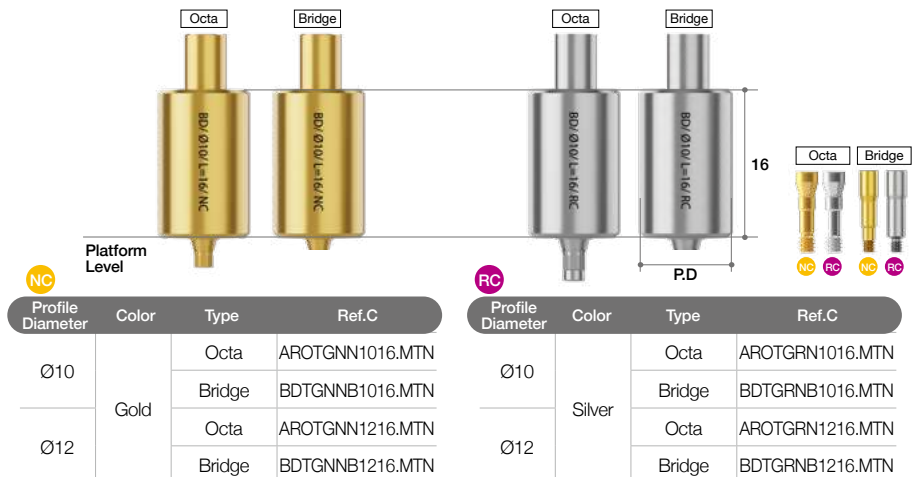
### TiGEN Abutment (MegaGen type)

- Abutment Screw included.
  - ✓ BLUEDIAMOND NC Octa (AROAS16B)
  - ✓ BLUEDIAMOND NC Bridge (BDEPBAS16B)
  - ✓ BLUEDIAMOND RC Octa (AROAS16)
  - ✓ BLUEDIAMOND RC Bridge (BDEPBAS16)
- Pre-milled Abutment
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
- Supporting DentalCAD
  - 3Shape / exocad / Dental Wings
- Supporting Milling Machine
  - BX5
  - MANIX
  - ARUM DENTISTRY(Coming Soon)
- Recommend torque : 35Ncm
- \* Bridge : Availability may vary by country



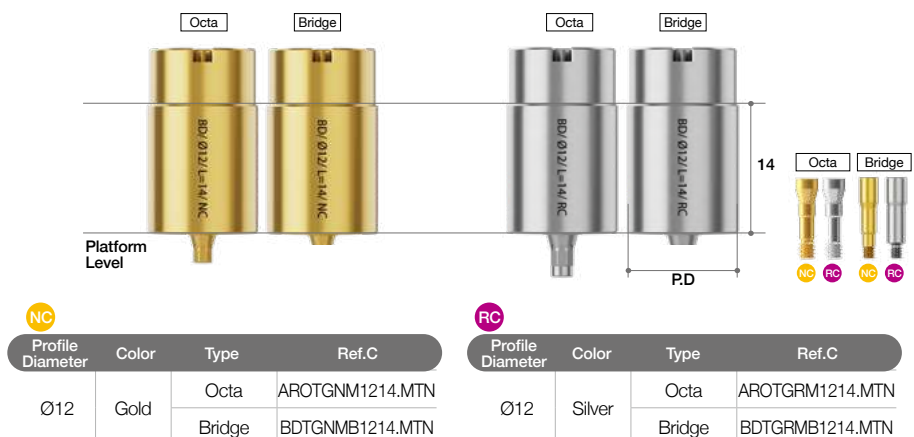
### (NT type)

- Abutment Screw included.
  - ✓ BLUEDIAMOND NC Octa (AROAS16B)
  - ✓ BLUEDIAMOND NC Bridge (BDEPBAS16B)
  - ✓ BLUEDIAMOND RC Octa (AROAS16)
  - ✓ BLUEDIAMOND RC Bridge (BDEPBAS16)
- Pre-milled Abutment
- 1 set consists of 10 Abutments
  - included spare Abutment Screw
- Supporting DentalCAD
  - 3Shape / exocad
- Recommend torque : 35Ncm
- \* Bridge : Availability may vary by country



### (Medentika type)

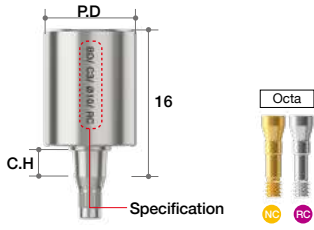
- Abutment Screw included.
  - ✓ BLUEDIAMOND NC Octa (AROAS16B)
  - ✓ BLUEDIAMOND NC Bridge (BDEPBAS16B)
  - ✓ BLUEDIAMOND RC Octa (AROAS16)
  - ✓ BLUEDIAMOND RC Bridge (BDEPBAS16)
- Pre-milled Abutment
- 1 set consists of 10 Abutments
  - included spare Abutment Screw
- Supporting DentalCAD
  - 3Shape / exocad
- Recommend torque : 35Ncm
- \* Bridge : Availability may vary by country



## ➡ TiGEN Abutment options

### (CUFF type)

- Abutment Screw included.
  - ✓ BLUEDIAMOND NC (AROAS16B)
  - ✓ BLUEDIAMOND RC (AROAS16)
- Pre-milled Abutment
  - Pre-milled part : Implant Connection + Cuff (0.6/ 1.5/ 3.0mm)
- 1 set consists of 10 Abutments
  - included spare Abutment Screw
- Used by fastening it to a reverse jig
- Supporting Dental CAD
  - 3Shape / exocad
- Supporting Milling Machine
  - BX5
  - MANIX
  - ARUM DENTISTRY(Coming Soon)
- Recommend torque : 35Ncm
- FDA : Approved in 20204
- CE : Approved in 20204
- \* Availability may vary by country



| Color  | Profile Diameter | Cuff Height (mm) | Type | Ref.C          |
|--------|------------------|------------------|------|----------------|
| Gold   | Ø8               | 0.6              | Octa | BDTGNR0608.MTN |
|        |                  | 1.5              |      | BDTGNR1508.MTN |
|        |                  | 3.0              |      | BDTGNR3008.MTN |
|        | Ø10              | 0.6              |      | BDTGNR0610.MTN |
|        |                  | 1.5              |      | BDTGNR1510.MTN |
|        |                  | 3.0              |      | BDTGNR3010.MTN |
|        | Ø12              | 0.6              |      | BDTGNR0612.MTN |
|        |                  | 1.5              |      | BDTGNR1512.MTN |
|        |                  | 3.0              |      | BDTGNR3012.MTN |
| Silver | Ø8               | 0.6              | Octa | BDTGRR0608.MTN |
|        |                  | 1.5              |      | BDTGRR1508.MTN |
|        |                  | 3.0              |      | BDTGRR3008.MTN |
|        | Ø10              | 0.6              |      | BDTGRR0610.MTN |
|        |                  | 1.5              |      | BDTGRR1510.MTN |
|        |                  | 3.0              |      | BDTGRR3010.MTN |
|        | Ø12              | 0.6              |      | BDTGRR0612.MTN |
|        |                  | 1.5              |      | BDTGRR1512.MTN |
|        |                  | 3.0              |      | BDTGRR3012.MTN |

### [TiGEN Abutment CUFF type Line-Up]

|      | D8 | D10 | D12 |
|------|----|-----|-----|
| C0.6 |    |     |     |
| C1.5 |    |     |     |
| C3.0 |    |     |     |

## ➡ Reverse Jig Connector Option

### Reverse Jig Connector

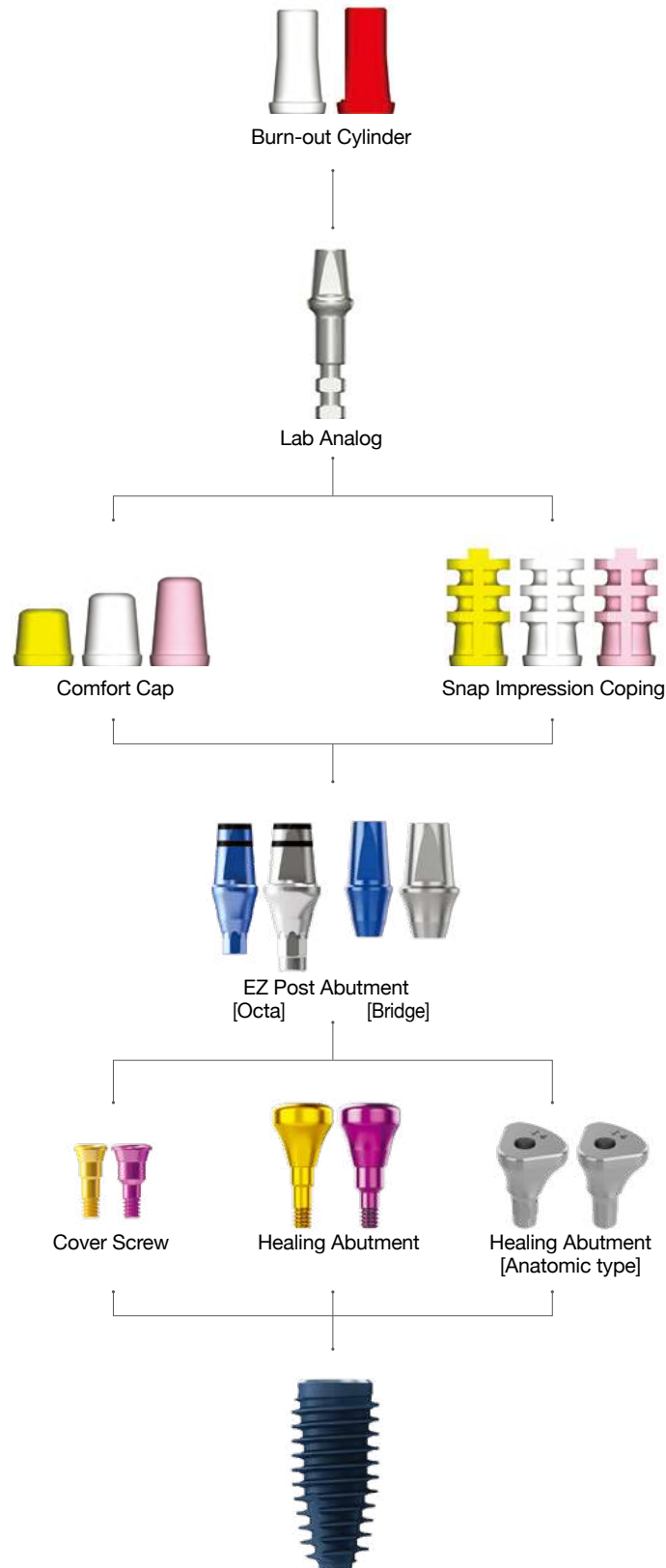
- Milling screws exclusively for Reverse Jig Connector are included
  - ✓ BLUEDIAMOND NC/ RC (BDRJMS)
- Do not use Non-Engage(Hex/ Octa)
- System can be checked by the number of Groove
  - BLUEDIAMOND NC → Groove : narrow 2ea
  - BLUEDIAMOND RC → Groove : wide 2ea
- Available milling machines
  - BX5
  - MANIX
  - ARUM DENTISTRY(Coming Soon)
- Recommended Torque
  - 35Ncm
  - Dedicated Driver (DP-RV-TORQ-DRV) (option)
- When Connected counterpart to Reverse Jig use Allen Wrench
  - Allen Key Size : 2.5mm
  - Dedicated Wrench (DP-HEX-TWLENCH) (option)



| Type | Ref.C      |
|------|------------|
| Octa | BDTGRJN00P |
| Type | Ref.C      |
| Octa | BDTGRJR00P |

## II. Abutment Level Prosthesis

# 1. EZ Post Abutments & Components

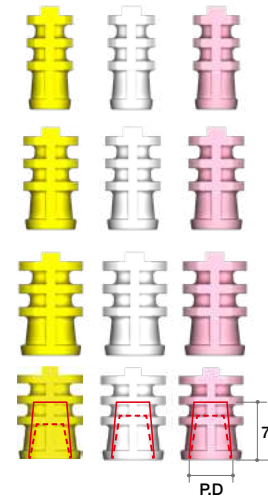


## ➡ Components for EZ Post Abutments

### Snap Impression Coping

- Color-coded according to post height
- Profile diameters: Ø4, 5, 6, 7
- Do not use when abutment is trimmed

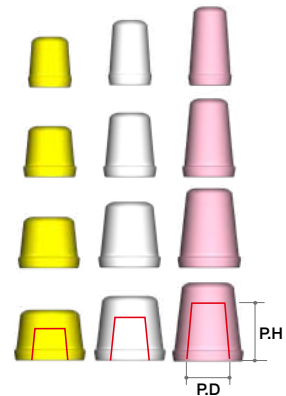
| Profile Diameter | Ref.C     |
|------------------|-----------|
| Ø4.0             | AANSIF440 |
|                  | AANSIF455 |
|                  | AANSIF470 |
| Ø5.0             | AANSIF540 |
|                  | AANSIF555 |
|                  | AANSIF570 |
| Ø6.0             | AANSIF640 |
|                  | AANSIF655 |
|                  | AANSIF670 |
| Ø7.0             | AANSIF740 |
|                  | AANSIF755 |
|                  | AANSIF770 |



### Comfort Cap

- Protects EZ Post Abutment & minimizes irritation to tongue & oral mucosa
- Can be applied under temporary prosthetics
- Color-coded according to post height

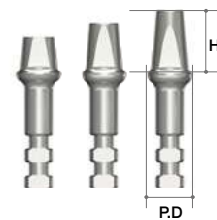
| Profile Diameter | Post Height(mm) | Ref.C     |
|------------------|-----------------|-----------|
| Ø4.0             | 4               | AANCCF440 |
|                  | 5.5             | AANCCF455 |
|                  | 7               | AANCCF470 |
| Ø5.0             | 4               | AANCCF540 |
|                  | 5.5             | AANCCF555 |
|                  | 7               | AANCCF570 |
| Ø6.0             | 4               | AANCCF640 |
|                  | 5.5             | AANCCF655 |
|                  | 7               | AANCCF670 |
| Ø7.0             | 4               | AANCCF740 |
|                  | 5.5             | AANCCF755 |
|                  | 7               | AANCCF770 |



### Lab Analog

- Directly connects to Snap Impression Coping in impression to make stone model

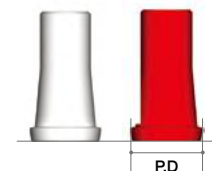
| Profile Diameter | Height(mm) | Ref.C     |
|------------------|------------|-----------|
| Ø4.0             | 4          | AANSLF440 |
|                  | 5.5        | AANSLF455 |
|                  | 7          | AANSLF470 |
| Ø5.0             | 4          | AANSLF540 |
|                  | 5.5        | AANSLF555 |
|                  | 7          | AANSLF570 |
| Ø6.0             | 4          | AANSLF640 |
|                  | 5.5        | AANSLF655 |
|                  | 7          | AANSLF670 |
| Ø7.0             | 4          | AANSLF740 |
|                  | 5.5        | AANSLF755 |
|                  | 7          | AANSLF770 |



### Burn-out Cylinder

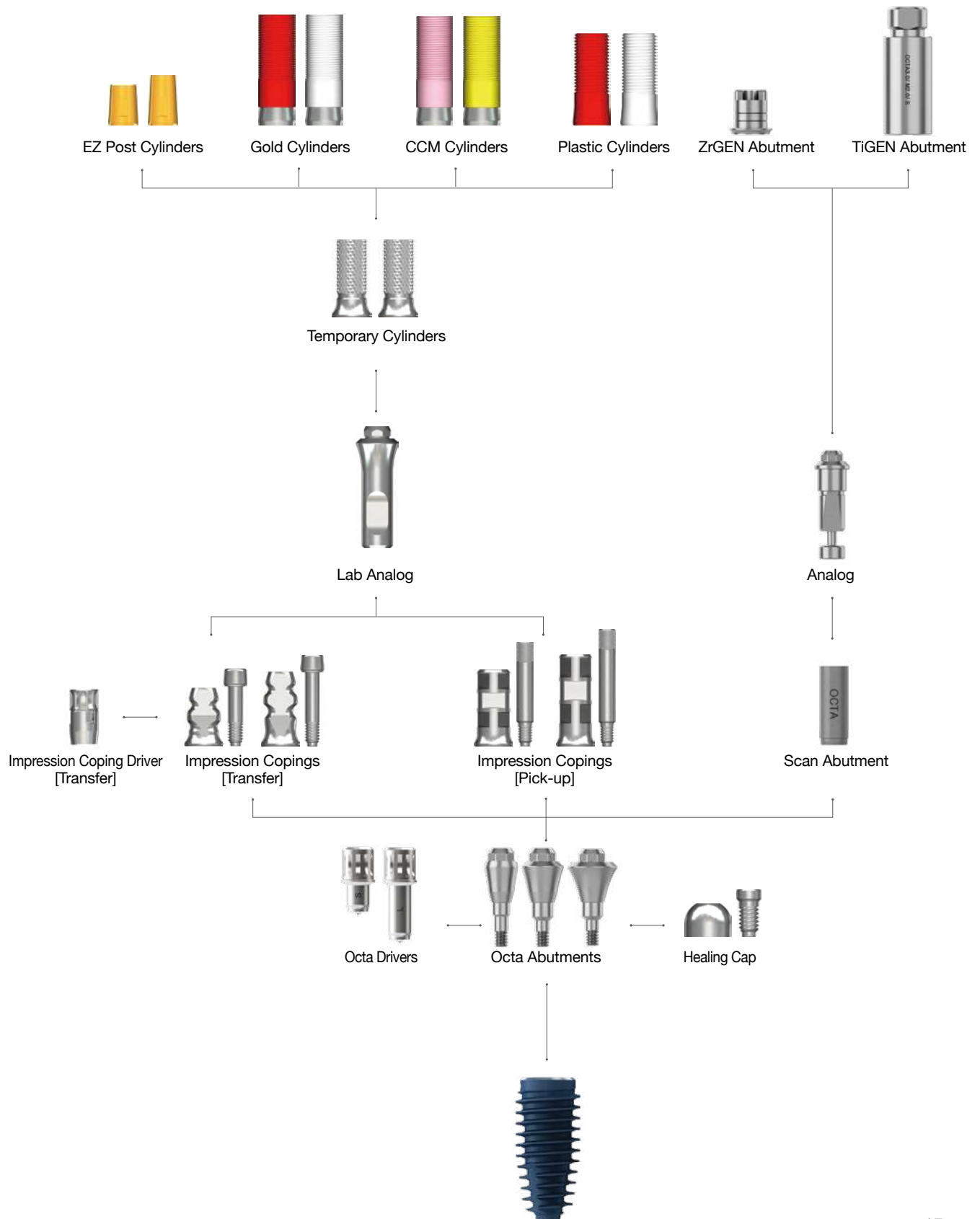
- Fits with Lab Analog(solid level)
- Easy for wax-up & accurate casting
- Use red cylinder for single crown

| Profile Diameter | Type     | Ref.C     |
|------------------|----------|-----------|
| Ø4.0             | Multiple | AANBCB470 |
| Ø5.0             |          | AANBCB570 |
| Ø6.0             |          | AANBCB670 |
| Ø7.0             |          | AANBCB770 |
| Ø4.0             | Single   | AANBCS470 |
| Ø5.0             |          | AANBCS570 |
| Ø6.0             |          | AANBCS670 |
| Ø7.0             |          | AANBCS770 |



## II. Abutment Level Prosthesis

# 2. Octa Abutment & Components



## ➡ Components for Octa Abutment (Continued)

### Octa Abutment

- For use with multiple screw-retained prosthetics
- Use with Octa Driver
- Recommended torque: 35Ncm



NC

| Profile Diameter | Cuff Height (mm) | Ref.C      |
|------------------|------------------|------------|
| Ø3.8             | 1                | AROOAN4010 |
|                  | 2                | AROOAN4020 |
|                  | 3                | AROOAN4030 |
|                  | 4                | AROOAN4040 |
|                  | 5                | AROOAN4050 |

RC

| Profile Diameter | Cuff Height (mm) | Ref.C      |
|------------------|------------------|------------|
| Ø4.8             | 1                | AROOAR5010 |
|                  | 2                | AROOAR5020 |
|                  | 3                | AROOAR5030 |
|                  | 4                | AROOAR5040 |
|                  | 5                | AROOAR5050 |
| Ø5.8             | 1                | AROOAR6010 |
|                  | 2                | AROOAR6020 |
|                  | 3                | AROOAR6030 |
|                  | 4                | AROOAR6040 |
|                  | 5                | AROOAR6050 |

### Healing Cap

- Cylinder screw (IRCS200) included
- Protects Octa Abutment & minimizes irritation to tongue & oral mucosa

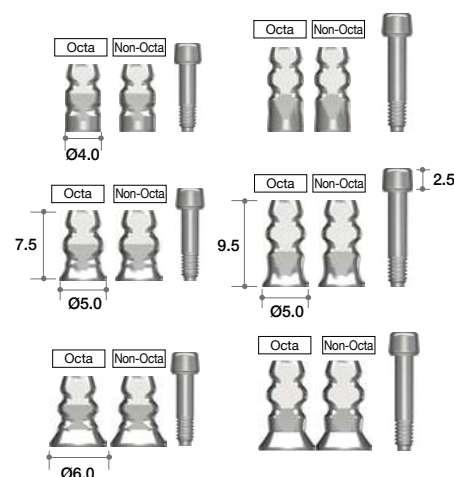
| Profile Diameter | Ref.C       |
|------------------|-------------|
| Ø4.0             | AANOHC4000T |
| Ø5.0             | IHC400T     |
| Ø6.0             | AANOHC6000T |



### Impression Coping (Transfer)

- Guide pin (AAOTGP10 / AAOTGP12) included
- Tightened using Impression Driver

| Profile Diameter | Height (mm) | Type     | Ref.C       |
|------------------|-------------|----------|-------------|
| Ø4.0             | 7.5         | Octa     | AAOITO4010T |
|                  |             | Non-Octa | AAOITN4010T |
|                  | 9.5         | Octa     | AAOITO4012T |
|                  |             | Non-Octa | AAOITN4012T |
| Ø5.0             | 7.5         | Octa     | AAOITO5010T |
|                  |             | Non-Octa | AAOITN5010T |
|                  | 9.5         | Octa     | AAOITO5012T |
|                  |             | Non-Octa | AAOITN5012T |
| Ø6.0             | 7.5         | Octa     | AAOITO6010T |
|                  |             | Non-Octa | AAOITN6010T |
|                  | 9.5         | Octa     | AAOITO6012T |
|                  |             | Non-Octa | AAOITN6012T |

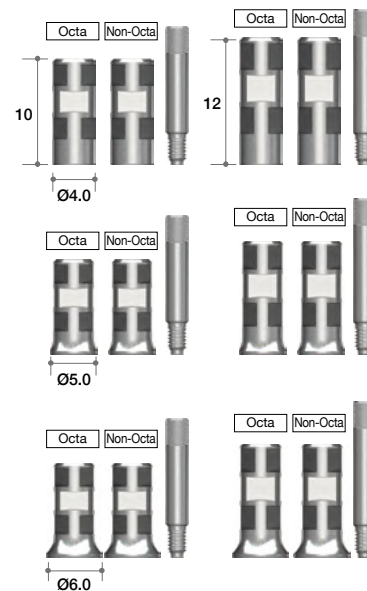


## Impression Coping

(Pick-up)

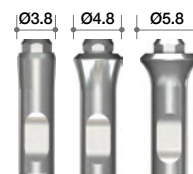
- Guide pin (AAOPGP10 / AAOPGP12) included

| Profile Diameter | Height (mm) | Type     | Ref.C       |
|------------------|-------------|----------|-------------|
| Ø4.0             | 10.0        | Octa     | AAOIPO4010T |
|                  |             | Non-Octa | AAOIPN4010T |
|                  | 12.0        | Octa     | AAOIPO4012T |
|                  |             | Non-Octa | AAOIPN4012T |
| Ø5.0             | 10.0        | Octa     | AAOIPO5010T |
|                  |             | Non-Octa | AAOIPN5010T |
|                  | 12.0        | Octa     | AAOIPO5012T |
|                  |             | Non-Octa | AAOIPN5012T |
| Ø6.0             | 10.0        | Octa     | AAOIPO6010T |
|                  |             | Non-Octa | AAOIPN6010T |
|                  | 12.0        | Octa     | AAOIPO6012T |
|                  |             | Non-Octa | AAOIPN6012T |



## Lab Analog

| Profile Diameter | Ref.C      |
|------------------|------------|
| Ø3.8             | AANOLA4000 |
| Ø4.8             | IOA300     |
| Ø5.8             | AANOLA6000 |

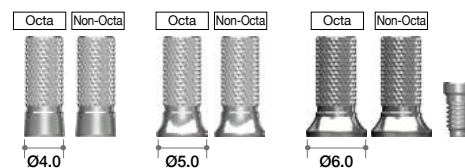


## Temporary Cylinder

- Cylinders screw (IRCS200) included

• Recommended torque: 25Ncm

| Profile Diameter | Type     | Ref.C        |
|------------------|----------|--------------|
| Ø4.0             | Octa     | AANOTCO4010T |
|                  | Non-Octa | AANOTCN4010T |
| Ø5.0             | Octa     | AANOTCO5010T |
|                  | Non-Octa | AANOTCN5010T |
| Ø6.0             | Octa     | AANOTCO6010T |
|                  | Non-Octa | AANOTCN6010T |

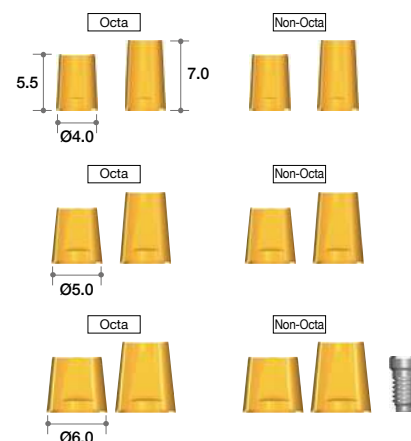


## EZ Post Cylinder

- Cylinder screw (IRCS200) included

• Recommended torque: 35Ncm

| Profile Diameter | Post Height(mm) | Type     | Ref.C       |
|------------------|-----------------|----------|-------------|
| Ø4.0             | 5.5             | Octa     | AAOECO4005T |
|                  | 7.0             |          | AAOECO4007T |
|                  | 5.5             | Non-Octa | AAOECN4005T |
|                  | 7.0             |          | AAOECN4007T |
| Ø5.0             | 5.5             | Octa     | AAOECO5005T |
|                  | 7.0             |          | AAOECO5007T |
|                  | 5.5             | Non-Octa | AAOECN5005T |
|                  | 7.0             |          | AAOECN5007T |
| Ø6.0             | 5.5             | Octa     | AAOECO6005T |
|                  | 7.0             |          | AAOECO6007T |
|                  | 5.5             | Non-Octa | AAOECN6005T |
|                  | 7.0             |          | AAOECN6007T |



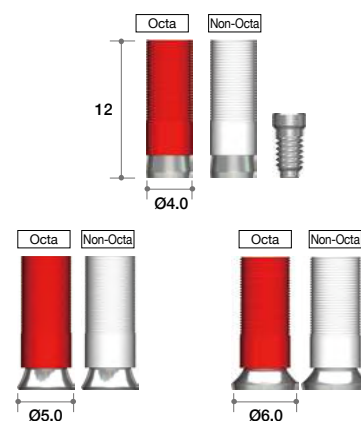
## ➡ Components for Octa Abutment

### Gold Cylinder

- Cylinder screw (IRCS200) included

- For use with customizing abutment for screw-retained multi-unit restoration
- Octa(red) & Non-Octa(white) options
- Diameters: Ø4.0, 5.0, 6.0
- Threaded sleeves for better retention of resin or wax
- Melting point of gold alloy: 1063°C
- Recommended torque: 30Ncm

| Profile Diameter | Type     | Ref.C       |
|------------------|----------|-------------|
| Ø4.0             | Octa     | AANGCO4000T |
|                  | Non-Octa | AANGCN4000T |
| Ø5.0             | Octa     | IOGO100T    |
|                  | Non-Octa | IONGN100T   |
| Ø6.0             | Octa     | AANGCO6000T |
|                  | Non-Octa | AANGCN6000T |

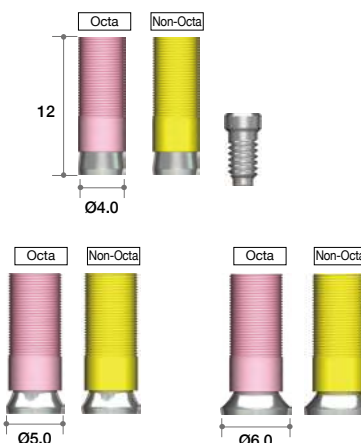


### CCM Cylinder

- Cylinder screw (IRCS200) included

- Octa (pink) & Non-Octa (yellow) options
- Diameters: Ø4.0, 5.0, 6.0
- Threaded sleeves for better retention of resin or wax
- Melting temperature of CCM base: 1300~1400°C
- Can be cast using non-precious alloys (Ni-Cr, Cr-Co alloys)
- Recommended torque: 30Ncm

| Profile Diameter | Type     | Ref.C       |
|------------------|----------|-------------|
| Ø4.0             | Octa     | AANCCO4000T |
|                  | Non-Octa | AANCCN4000T |
| Ø5.0             | Octa     | AANCCO5000T |
|                  | Non-Octa | AANCCN5000T |
| Ø6.0             | Octa     | AANCCO6000T |
|                  | Non-Octa | AANCCN6000T |

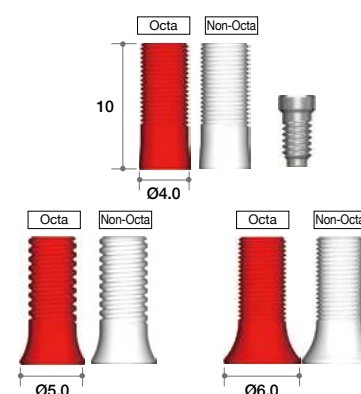


### Plastic Cylinder

- Cylinder screw (IRCS200) included

- Economical option
- For use with customizing abutment for screw-retained multi-unit restoration
- Octa (red) & Non-Octa (white) options
- Threaded sleeves for better retention of resin or wax
- Recommended torque: 25Ncm

| Profile Diameter | Type     | Ref.C       |
|------------------|----------|-------------|
| Ø4.0             | Octa     | AAOTCO4010T |
|                  | Non-Octa | AAOTCN4010T |
| Ø5.0             | Octa     | IOPH100T    |
|                  | Non-Octa | IOPN100T    |
| Ø6.0             | Octa     | AAOTCO6010T |
|                  | Non-Octa | AAOTCN6010T |



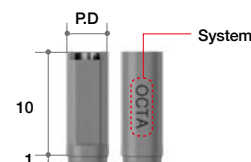
## ➡ Components for Octa Abutment\_Digital (Continued)

### Scan Abutment

- Abutment Screw(SAIRC200) included.

- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape / Exocad / Dental Wings
- Recommend torque : By Hand (5~8Ncm)

| Profile Diameter | Height (mm) | Ref.C      |
|------------------|-------------|------------|
| Ø4.0             | 11          | AOCES4011T |



### Analog

- Analog Screw(ALS18) included.

- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape
  - exocad
- 2 piece type

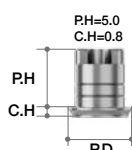
| Profile Diameter | Ref.C    |
|------------------|----------|
| Ø3.8             | OCTAALST |
| Ø4.8             | OCTAALRT |
| Ø5.8             | OCTAALWT |



### ZrGEN Abutment

- Abutment Screw(IRCS200) included.

- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
- Supporting Dental CAD
  - 3Shape
  - Exocad
  - Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 5mm → Groove : 2ea
  - Post Height : 6mm → Groove : 4ea
  - Post Height : 8mm → Groove : 6ea
- Recommend torque : 35Ncm



| System     | Profile Diameter | Cuff Height (mm) | Post Height (mm) | Type     | Ref.C          |
|------------|------------------|------------------|------------------|----------|----------------|
| Octa Level | Small            | Ø5.0             | 5                | Octa     | AOCEPS5015.MTN |
|            |                  |                  | 6                |          | AOCEPS5016.MTN |
|            |                  |                  | 8                |          | AOCEPS5018.MTN |
|            |                  | Ø5.5             | 5                | Non-Octa | ANOEPS5015.MTN |
|            |                  |                  | 6                |          | ANOEPS5016.MTN |
|            |                  |                  | 8                |          | ANOEPS5018.MTN |
|            | Regular          | Ø5.0             | 5                | Octa     | AOCEPR5515.MTN |
|            |                  |                  | 6                |          | AOCEPR5516.MTN |
|            |                  |                  | 8                |          | AOCEPR5518.MTN |
|            |                  | Ø5.5             | 5                | Non-Octa | ANOEPW6515.MTN |
|            |                  |                  | 6                |          | ANOEPW6516.MTN |
|            |                  |                  | 8                |          | ANOEPW6518.MTN |
|            | Wide             | Ø6.5             | 5                | Octa     | AOCEPW6515.MTN |
|            |                  |                  | 6                |          | AOCEPW6516.MTN |
|            |                  |                  | 8                |          | AOCEPW6518.MTN |
|            |                  | Ø7.5             | 5                | Non-Octa | ANOEPW7515.MTN |
|            |                  |                  | 6                |          | ANOEPW7516.MTN |
|            |                  |                  | 8                |          | ANOEPW7518.MTN |

## ➡ Components for Octa Abutment\_Digital

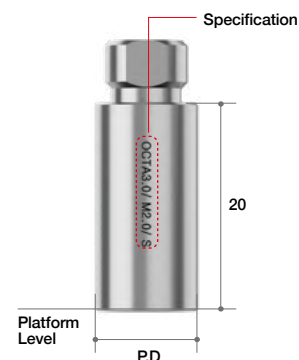
### TiGEN Abutment

#### (MegaGen type)

- Abutment Screw(IRCS200) included.

- Pre-milled Abutment
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
- Supporting DentalCAD
  - 3Shape / exocad / Dental Wings
- Supporting Milling Machine
  - BX5
  - MANIX
  - ARUM DENTISTRY(Coming Soon)
- Recommend torque : 35Ncm

| System     | Color    | Profile Diameter | Height (mm)  | Type         | Ref.C        |
|------------|----------|------------------|--------------|--------------|--------------|
| Octa Level | Small    | Silver           | 20           | Octa         | OCTS1020.MTN |
|            |          |                  |              | Non-Octa     | NOTS1020.MTN |
|            |          |                  |              | Octa         | OCTS1220.MTN |
|            |          |                  |              | Non-Octa     | NOTS1220.MTN |
|            | Octa     |                  |              | OCTR1020.MTN |              |
|            | Non-Octa |                  |              | NOTR1020.MTN |              |
|            | Octa     |                  |              | OCTR1220.MTN |              |
|            | Non-Octa |                  |              | NOTR1220.MTN |              |
|            | Regular  | Ø10              |              | Octa         | OCTW1020.MTN |
|            |          |                  |              | Non-Octa     | NOTW1020.MTN |
|            |          | Ø12              |              | Octa         | OCTW1220.MTN |
|            |          |                  |              | Non-Octa     | NOTW1220.MTN |
| Wide       | Ø10      | Octa             | OCTW1020.MTN |              |              |
|            |          | Non-Octa         | NOTW1020.MTN |              |              |
|            | Ø12      | Octa             | OCTW1220.MTN |              |              |
|            |          | Non-Octa         | NOTW1220.MTN |              |              |

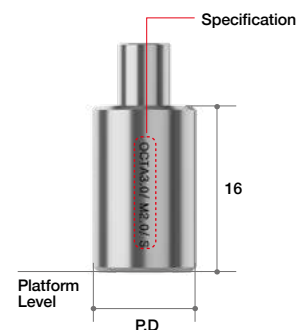


#### (NT type)

- Abutment Screw(IRCS200) included.

- Pre-milled Abutment
- 1 set consists of 10 Abutments
  - included spare Abutment Screw
- Supporting DentalCAD
  - 3Shape / exocad
- Recommend torque : 35Ncm

| System     |         | Color  | Profile Diameter | Height (mm) | Type          | Ref.C         |
|------------|---------|--------|------------------|-------------|---------------|---------------|
| Octa Level | Small   | Silver | Ø10              | 16          | Octa          | OCTSN1016.MTN |
|            |         |        |                  |             | Non-Octa      | NOTSN1016.MTN |
|            |         |        |                  |             | Octa          | OCTSN1216.MTN |
|            |         |        |                  |             | Non-Octa      | NOTSN1216.MTN |
|            | Regular |        | Ø10              |             | Octa          | OCTRN1016.MTN |
|            |         |        |                  |             | Non-Octa      | NOTRN1016.MTN |
|            |         |        |                  |             | Octa          | OCTRN1216.MTN |
|            |         |        |                  |             | Non-Octa      | NOTRN1216.MTN |
|            | Wide    | Ø10    | Octa             |             | OCTWN1016.MTN |               |
|            |         |        | Non-Octa         |             | NOTWN1016.MTN |               |
|            |         |        | Octa             |             | OCTWN1216.MTN |               |
|            |         |        | Non-Octa         |             | NOTWN1216.MTN |               |



#### (Medentika type)

- Abutment Screw(IRCS200) included.

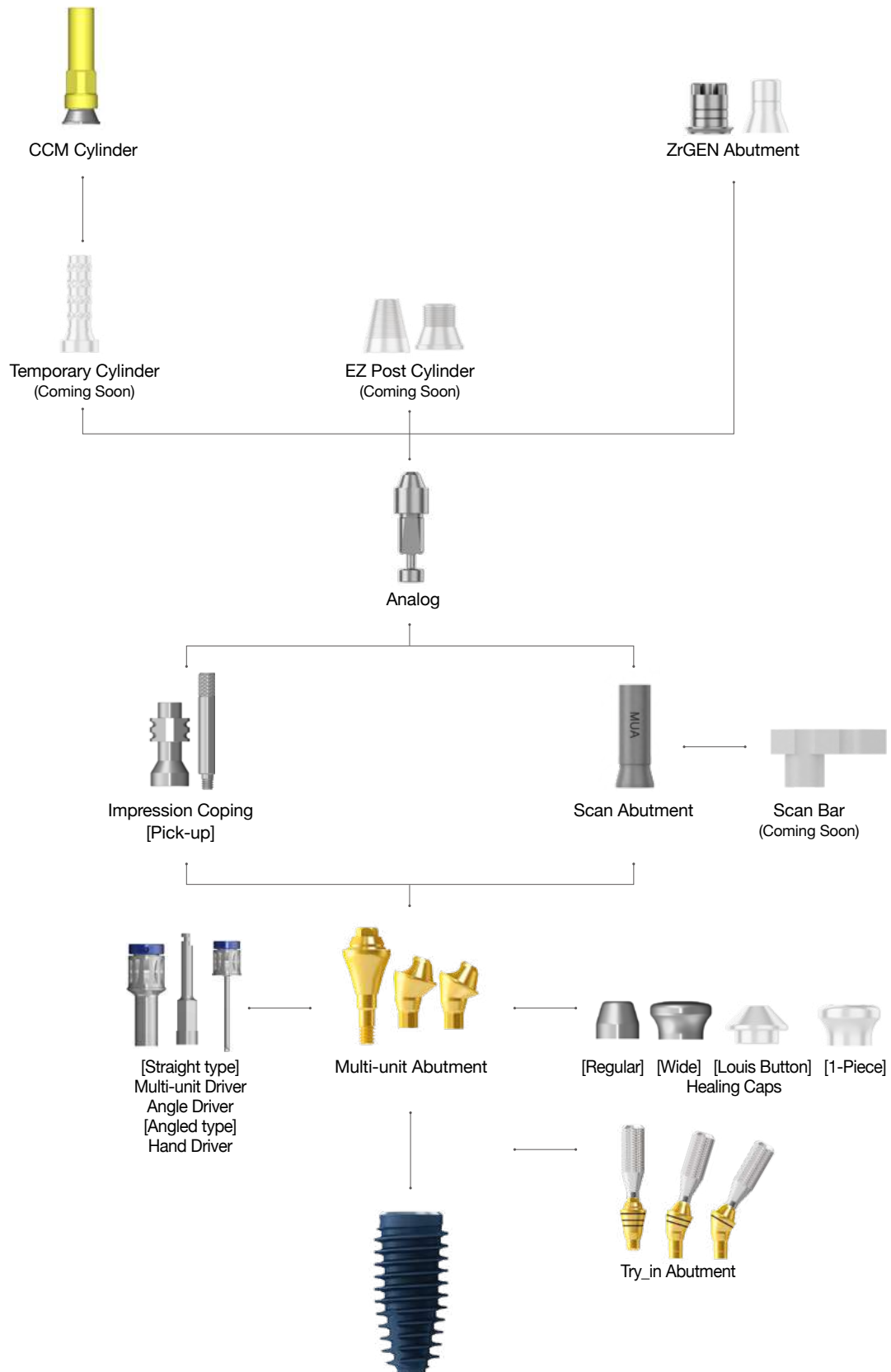
- Pre-milled Abutment
- 1 set consists of 10 Abutments
  - included spare Abutment Screw
- Supporting DentalCAD
  - 3Shape / exocad
- Recommend torque : 35Ncm

| System     |         | Color  | Profile Diameter | Height (mm) | Type     | Ref.C         |
|------------|---------|--------|------------------|-------------|----------|---------------|
| Octa Level | Small   | Silver | Ø12              | 14          | Octa     | OCTSM1214.MTN |
|            |         |        |                  |             | Non-Octa | NOTSM1214.MTN |
|            | Regular |        |                  |             | Octa     | OCTRM1214.MTN |
|            |         |        |                  |             | Non-Octa | NOTRM1214.MTN |
|            | Wide    |        |                  |             | Octa     | OCTWM1214.MTN |
|            |         |        |                  |             | Non-Octa | NOTWM1214.MTN |



## II. Abutment Level Prosthesis

### 3. Multi-unit Abutment & Components

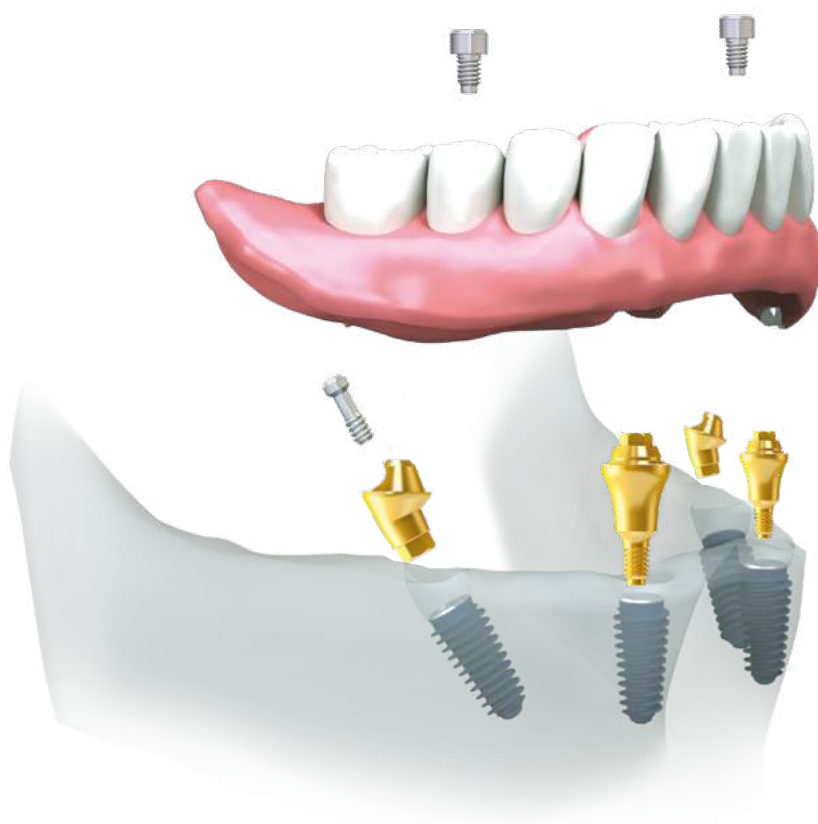


## ►► Multi-unit Abutment™

### Multi-unit Abutment Design Concept

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Intended as a solution for edentulous patients, multi-unit abutments work best with an All-on-4 procedure: 2 x straight-type abutments in anterior positions, plus 2 x angled-type (multi-unit) abutments in posterior positions.



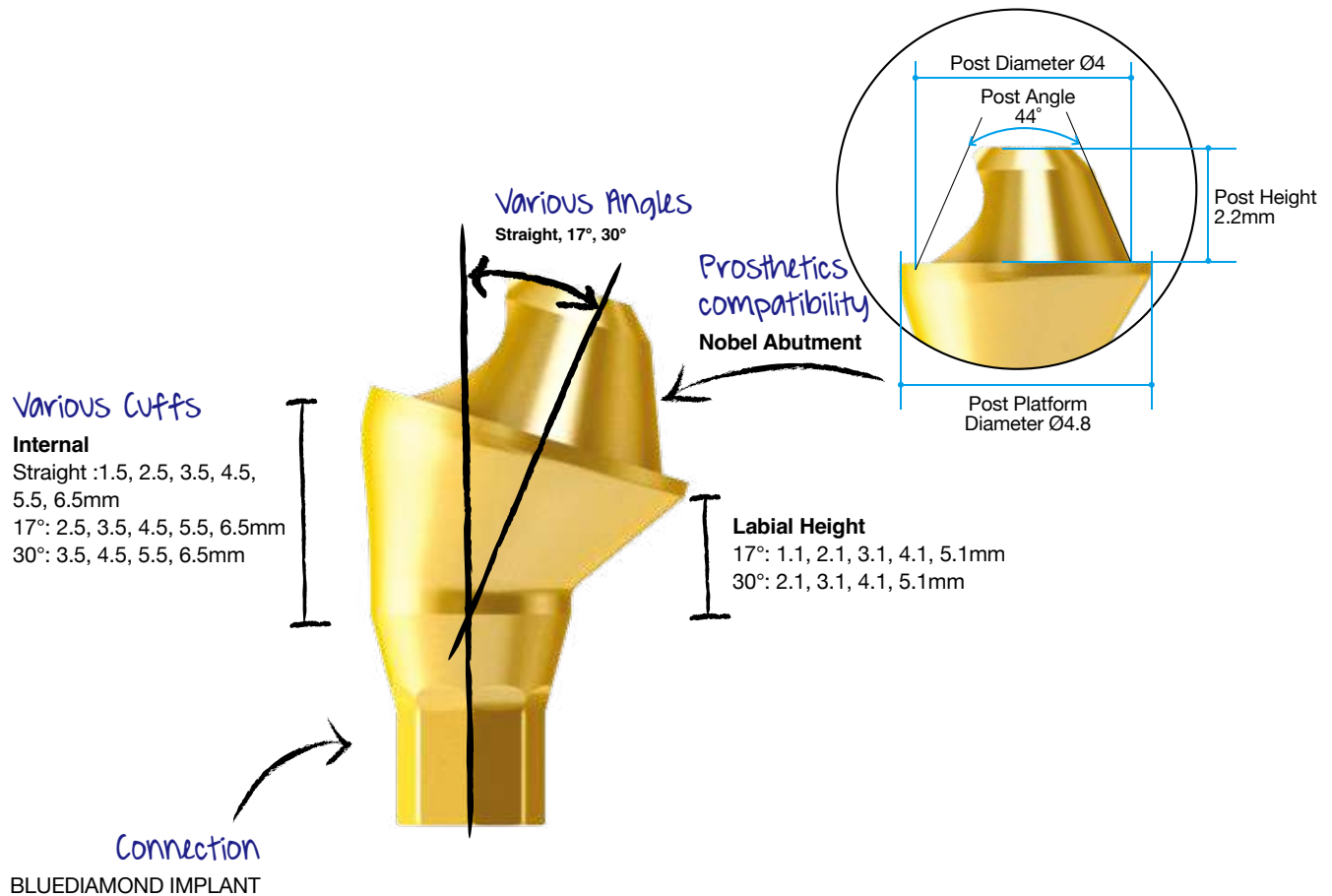
### Features

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- Minimal number of fixtures & angled placement allows full use of existing bone & can avoid GBR procedures
- Angulation of fixtures avoids sensitive areas, such as mandibular nerve & maxillary sinus
- Angulated fixtures in posterior positions become osseointegrated with cancellous bone & disperse vertical load on alveolar bone
- Guided surgical option for All-on-4 technique is also possible using R2GATE software

## ►► Multi-unit Abutment N Type

Solution for edentulous patients



### Benefit

1. Easy & economical treatment solution for compromised edentulous cases
2. Can avoid expensive & time consuming bone graft procedures
3. Multiple angles (0°, 17°, 30°) to support different placement paths
4. Universally compatible with other multi-unit systems

### Compatibility with others' Multi-unit level prosthetic components

- ✓ Post Height
- ✓ Post Diameter
- ✓ Post Angle
- ✓ Abutment Angle
- ✓ Cuff Height

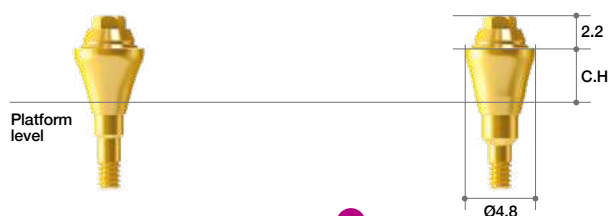
## Multi-unit Abutment

### Multi-unit Abutment

(Straight)

- MUA Straight Carrier (MUASC) included

• Recommended torque: 35Ncm



NC

| Cuff Height (mm) | Type              | Ref.C         |
|------------------|-------------------|---------------|
| 1.5              | 1-piece<br>(M1.6) | MUAARONN0015C |
| 2.5              |                   | MUAARONN0025C |
| 3.5              |                   | MUAARONN0035C |
| 4.5              |                   | MUAARONN0045C |
| 5.5              |                   | MUABDNN0055C  |
| 6.5              |                   | MUABDNN0065C  |

RC

| Cuff Height (mm) | Type              | Ref.C         |
|------------------|-------------------|---------------|
| 1.5              | 1-piece<br>(M1.6) | MUAARORN0015C |
| 2.5              |                   | MUAARORN0025C |
| 3.5              |                   | MUAARORN0035C |
| 4.5              |                   | MUAARORN0045C |
| 5.5              |                   | MUABDRN0055C  |
| 6.5              |                   | MUABDRN0065C  |

### Multi-unit Angled Abutment (17°)

- MUA screw (MUAAROS) included

- MUA Angled Carrier (MUAAC) included

• Recommended torque: 25Ncm



NC

| Cuff Height (Labial) (mm) | Type     | Ref.C          |
|---------------------------|----------|----------------|
| 2.5 (1.1)                 | Octa     | MUAARONO1725TC |
| 3.5 (2.1)                 |          | MUAARONO1735TC |
| 4.5 (3.1)                 |          | MUAARONO1745TC |
| 5.5 (4.1)                 |          | MUABDNO1755TC  |
| 6.5 (5.1)                 |          | MUABDNO1765TC  |
| 2.5 (1.1)                 | Non-Octa | MUAARONN1725TC |
| 3.5 (2.1)                 |          | MUAARONN1735TC |
| 4.5 (3.1)                 |          | MUAARONN1745TC |
| 5.5 (4.1)                 |          | MUABDNN1755TC  |
| 6.5 (5.1)                 |          | MUABDNN1765TC  |

RC

| Cuff Height (Labial) (mm) | Type     | Ref.C          |
|---------------------------|----------|----------------|
| 2.5 (1.1)                 | Octa     | MUAARORO1725TC |
| 3.5 (2.1)                 |          | MUAARORO1735TC |
| 4.5 (3.1)                 |          | MUAARORO1745TC |
| 5.5 (4.1)                 |          | MUABDRO1755TC  |
| 6.5 (5.1)                 |          | MUABDRO1765TC  |
| 2.5 (1.1)                 | Non-Octa | MUAARORN1725TC |
| 3.5 (2.1)                 |          | MUAARORN1735TC |
| 4.5 (3.1)                 |          | MUAARORN1745TC |
| 5.5 (4.1)                 |          | MUABDRN1755TC  |
| 6.5 (5.1)                 |          | MUABDRN1765TC  |

### Multi-unit Angled Abutment (30°)

- MUA screw (MUAAROS) included

- MUA Angled Carrier (MUAAC) included

• Recommended torque: 25Ncm



NC

| Cuff Height (Labial) (mm) | Type     | Ref.C          |
|---------------------------|----------|----------------|
| 3.5 (1.1)                 | Octa     | MUAARONO3035TC |
| 4.5 (2.1)                 |          | MUAARONO3045TC |
| 5.5 (4.1)                 |          | MUABDNO3055TC  |
| 6.5 (5.1)                 |          | MUABDNO3065TC  |
| 3.5 (1.1)                 | Non-Octa | MUAARONN3035TC |
| 4.5 (2.1)                 |          | MUAARONN3045TC |
| 5.5 (4.1)                 |          | MUABDNN3055TC  |
| 6.5 (5.1)                 |          | MUABDNN3065TC  |

RC

| Cuff Height (Labial) (mm) | Type     | Ref.C          |
|---------------------------|----------|----------------|
| 3.5 (1.1)                 | Octa     | MUAARORO3035TC |
| 4.5 (2.1)                 |          | MUAARORO3045TC |
| 5.5 (4.1)                 |          | MUABDRO3055TC  |
| 6.5 (5.1)                 |          | MUABDRO3065TC  |
| 3.5 (1.1)                 | Non-Octa | MUAARORN3035TC |
| 4.5 (2.1)                 |          | MUAARORN3045TC |
| 5.5 (4.1)                 |          | MUABDRN3055TC  |
| 6.5 (5.1)                 |          | MUABDRN3065TC  |

## ►► Contents of Multi-unit Abutment Set

### Multi-unit Abutment Healing Cap-type Set Reference Code

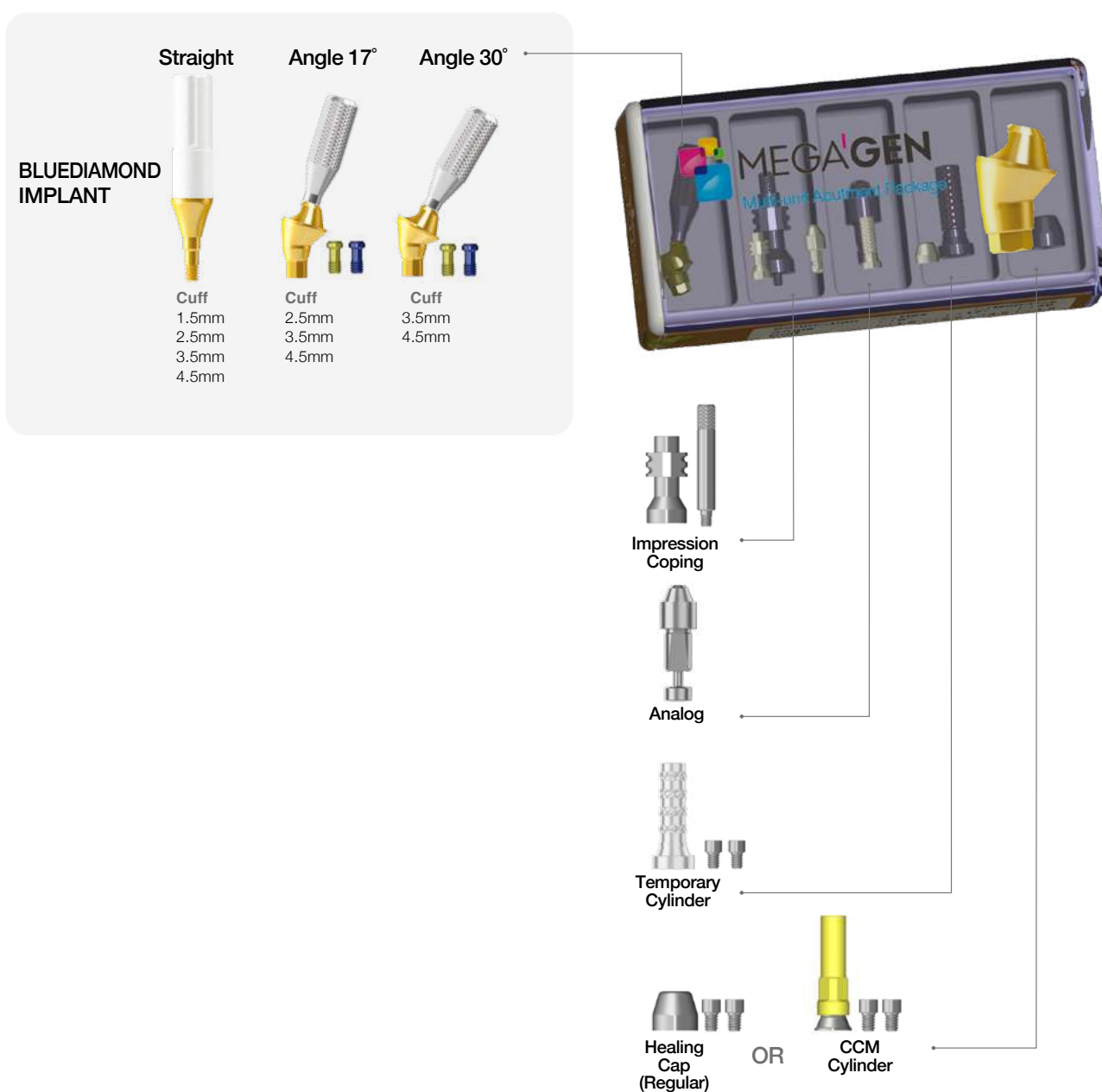
Order code : Available by changing to 'HP' instead of 'C' or 'TC' from current Ref.C

E.g.) MUAARONO3035TC → MUAARONO3035 **HP**

### Multi-unit Abutment CCM-type Set Reference Code

Order code : Available by changing to 'P' instead of 'C' or 'TC' from current Ref.C

E.g.) MUAARONO3035TC → MUAARONO3035 **P**

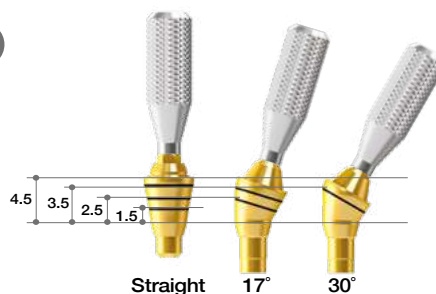


## ➡ Components for Multi-unit Abutment (Continued)

### Try-in Abutment

- Cuff height indicated with laser markings
- Straight, 17°, 30°

| Angle    | Type     | Cuff Marking          | Ref.C         |
|----------|----------|-----------------------|---------------|
| Straight | Non-Octa | 1.5 / 2.5 / 3.5 / 4.5 | MUTIAARON00C  |
|          |          |                       | MUTIAAROR00C  |
| 17°      | Octa     | 2.5 / 3.5 / 4.5       | MUTIAARON17OC |
|          |          |                       | MUTIAAROR17OC |
|          | Non-Octa |                       | MUTIAARON17NC |
|          |          |                       | MUTIAAROR17NC |
| 30°      | Octa     | 3.5 / 4.5             | MUTIAARON30OC |
|          |          |                       | MUTIAAROR30OC |
|          | Non-Octa |                       | MUTIAARON30NC |
|          |          |                       | MUTIAAROR30NC |



### Try-in Abutment Set reference code

Order code: **MUTIAARON00OC<sup>P</sup>**  
**MUTIAARON00NC<sup>P</sup>**  
**MUTIAAROR00OC<sup>P</sup>**  
**MUTIAAROR00NC<sup>P</sup>**

NC Octa  
RC Non-Octa



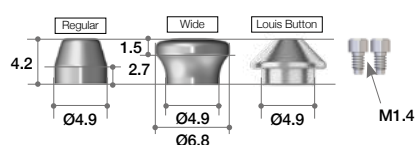
\* Kit contents: Straight, 17°, 30° Try-in abutments (1 each)



### Healing Cap

- Cylinder screws (MUAS) 2ea included
- Select size according to soft tissue volume or type of restoration

| Height (mm) | Type         | Ref.C      |
|-------------|--------------|------------|
| 4.2         | Regular      | MUAHCL     |
| 5.5         |              | MUAHC55L   |
| 4.2         | Wide         | MUAHCWL    |
| 5.5         |              | MUAHCW55L  |
| 4.2         | Louis Button | MUAHCWL42L |
| 5.5         |              | MUAHCWL55L |

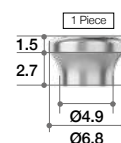


### Healing Cap

(1-Piece) (Coming Soon)

- Select size according to soft tissue volume or type of restoration

| Height (mm) | Type    | Ref.C     |
|-------------|---------|-----------|
| 4.5         | 1 Piece | MUAHCWS45 |
| 5.5         |         | MUAHCWS55 |



### Healing Cap Set Reference Code

Order code : Available by changing to 'P' instead of 'L' from current Ref.C

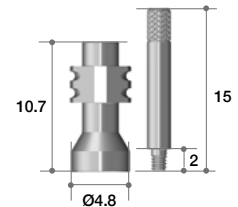
E.g.) MUAHCL → MUAHCP



## Impression Coping (Pick-up)

- Guide pin (MUAGP) included
- For use with impression taking at abutment level

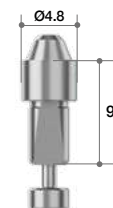
| Connection | Ref.C  |
|------------|--------|
| Non-Hex    | MUAICT |



## Analog

- For use with duplicating multi-unit abutment in working model
- Available as RP Analog for 3D-printed working model

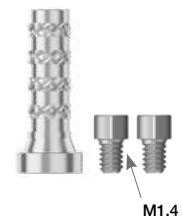
| Head form                  | Ref.C  |
|----------------------------|--------|
| Multi-unit Abutment(Nobel) | MUAALT |



## Temporary Cylinder (Groove) (Coming Soon)

- Cylinder screws (MUAS) 2EA included
- For use with fabricating acrylic provisional restoration
- Grooves on post cylinder for storing resin adhesion
- Back-up screw is included
- Recommended torque: 15Ncm

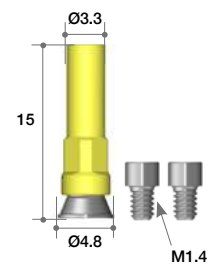
| Connection | Ref.C   |
|------------|---------|
| Non-Hex    | MUATCGL |



## CCM Cylinder

- Cylinder screws (MUAS) 2EA included
- For use with fabricating screw-retained prosthesis with metal-reinforced or bar-structured overdenture
- Can be cast using non-precious dental alloys (Ni-Cr, Cr-Co alloys)
- Melting temperature of CCM base: 1300~1400°C
- Back-up screw included
- Recommended torque: 15Ncm

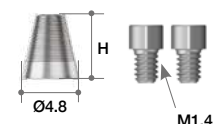
| Connection | Ref.C  |
|------------|--------|
| Non-Hex    | MUACML |



## EZ Post Cylinder (Coming Soon)

- Cylinder screws (MUAS) 2EA included
- Recommended torque: 15Ncm

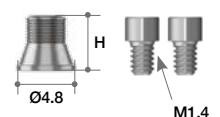
| Height (mm) | Connection | Ref.C       |
|-------------|------------|-------------|
| 5.5         | Non-Hex    | MUAEPC4805L |
| 7.0         |            | MUAEPC4807L |



## EZ Post Cylinder (X-Type) (Coming Soon)

- Cylinder screws (MUAS) 2EA included
- Recommended torque: 15Ncm

| Height (mm) | Connection | Ref.C        |
|-------------|------------|--------------|
| 4.5         | Non-Hex    | MUAEPCX4804L |
| 6.0         |            | MUAEPCX4806L |
| 7.0         |            | MUAEPCX4807L |

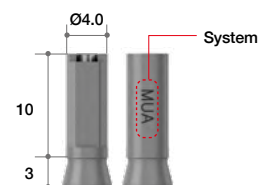


## ➡ Components for Multi-unit Abutments

### Scan Abutment

- Abutment Screw(SAMUAS) included
- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape / Exocad / Dental Wings
- Recommend torque : By Hand (5~8Ncm)

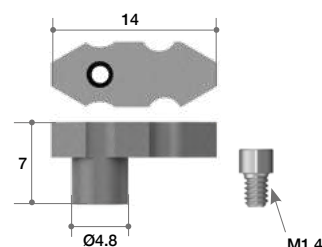
| Profile Diameter | Height (mm) | Ref.C       |
|------------------|-------------|-------------|
| Ø4.0             | 13          | AMUASR4013T |



### Scan Bar (Coming Soon)

- Cylinder Screw(MUAS) included.
- For Chairside/ Labside
- Supporting Dental CAD
  - 3Shape / Exocad / Dental Wings
- Recommend torque : By Hand (5~8Ncm)

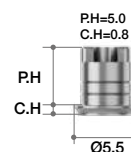
| Connection | Ref.C  |
|------------|--------|
| Non-Hex    | MUASBT |



### ZrGEN Abutment

- Cylinder Screw(MUAS) included.
- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
- Supporting Dental CAD
  - 3Shape / Exocad / Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 5mm → Groove : 2ea
  - Post Height : 6mm → Groove : 4ea
  - Post Height : 8mm → Groove : 6ea
- Recommend torque : 15Ncm

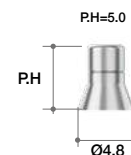
| Profile Diameter | Cuff Height (mm) | Post Height (mm) | Type   | Ref.C           |
|------------------|------------------|------------------|--------|-----------------|
| Ø5.5             | 0.8              | 5                | N Type | AMUAPR5515N.MTN |
|                  |                  | 6                |        | AMUAPR5516N.MTN |
|                  |                  | 8                |        | AMUAPR5518N.MTN |



### ZrGEN Abutment (No Cuff Type) (Coming Soon)

- Cylinder Screw(MUAS) included.
- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
- Supporting Dental CAD
  - 3Shape / Exocad / Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 5.5mm → Groove : 2ea
  - Post Height : 6.5mm → Groove : 4ea
  - Post Height : 8.5mm → Groove : 6ea
- Recommend torque : 15Ncm

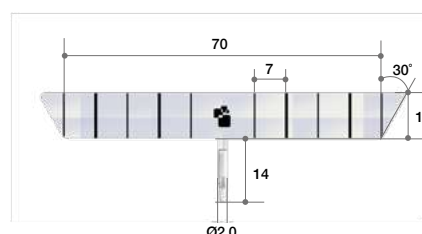
| Profile Diameter | Post Height (mm) | Type         | Ref.C         |
|------------------|------------------|--------------|---------------|
| Ø4.8             | 5.5              | No Cuff Type | MUAZG4805.MTN |
|                  | 6.5              |              | MUAZG4806.MTN |
|                  | 8.5              |              | MUAZG4808.MTN |



### Surgical Guide

- 7mm distance between lines
- Place center pin after initial drilling at center of arch

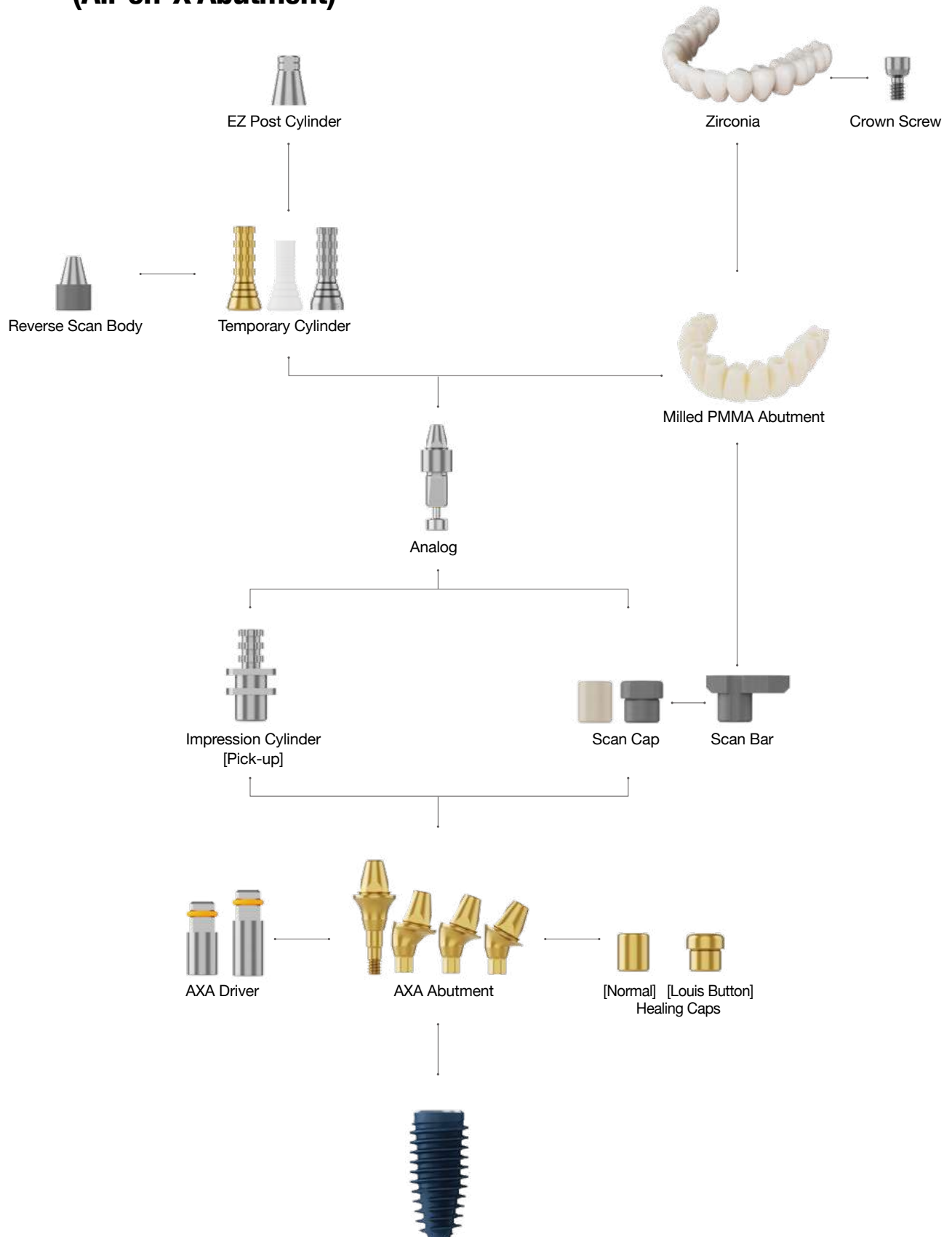
| Angle | Marking Length (mm) | Ref.C  |
|-------|---------------------|--------|
| 30°   | 7                   | MUSG70 |



**NEW**

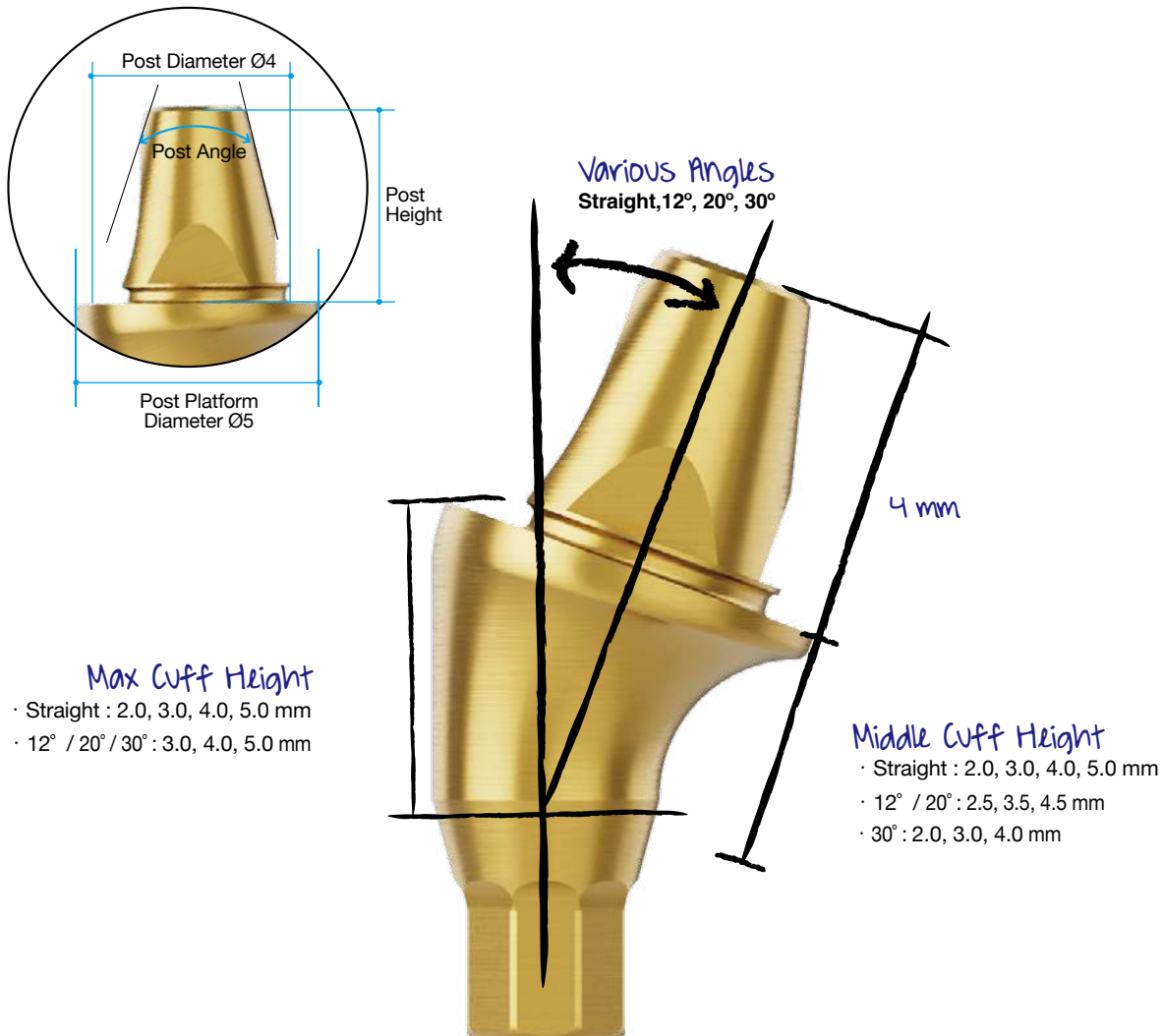
## II. Abutment Level Prosthesis

## 4. AXA Abutment & Components (All-on-X Abutment)



## ►► AXA Abutment

New advanced design concept for All-on-X solution



### Benefit

1. The post part is longer than the existing multi-unit abutment, so it can be stably connected with the prosthesis.
2. Cylinder screw loosening and strength has been developed (M1.4 → M1.6)
3. Performance improvement through optimized scan cap shape
4. Direct crown connection is possible through crown screw
5. Various prosthetic solutions available (CRP, SRP, SCRP, Bar denture)

## ➡ AXA Abutment & Components (Continued)

### AXA Abutment (Straight)

- AXA Straight Carrier (AXAPC) included

- Use with AXA Driver
- Recommended torque: 35Ncm



NC

| Profile Diameter | Cuff Height (mm) | Ref.C        |
|------------------|------------------|--------------|
| Ø5.0             | 2                | AXBDNS52400C |
|                  | 3                | AXBDNS53400C |
|                  | 4                | AXBDNS54400C |
|                  | 5                | AXBDNS55400C |

RC

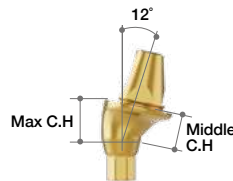
| Profile Diameter | Cuff Height (mm) | Ref.C        |
|------------------|------------------|--------------|
| Ø5.0             | 2                | AXBDRS52400C |
|                  | 3                | AXBDRS53400C |
|                  | 4                | AXBDRS54400C |
|                  | 5                | AXBDRS55400C |

### AXA Abutment (12°)

- Abutment Screw (AXBAS1603/AXBAS1604/AXBAS1605) included

- AXA Carrier (AXAC) included

- Recommended torque: 35Ncm



NC

| Cuff Height (mm) |             | Type | Ref.C         |
|------------------|-------------|------|---------------|
| Max Cuff         | Middle Cuff |      |               |
| 3                | 2.5         | Octa | AXBDNS53410TC |
| 4                | 3.5         |      | AXBDNS54410TC |
| 5                | 4.5         |      | AXBDNS55410TC |

RC

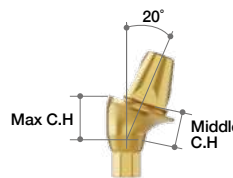
| Cuff Height (mm) |             | Type | Ref.C         |
|------------------|-------------|------|---------------|
| Max Cuff         | Middle Cuff |      |               |
| 3                | 2.5         | Octa | AXBDRS53410TC |
| 4                | 3.5         |      | AXBDRS54410TC |
| 5                | 4.5         |      | AXBDRS55410TC |

### AXA Abutment (20°)

- Abutment Screw (AXBAS1603/AXBAS1604/AXBAS1605) included

- AXA Carrier (AXAC) included

- Recommended torque: 35Ncm



NC

| Cuff Height (mm) |             | Type | Ref.C         |
|------------------|-------------|------|---------------|
| Max Cuff         | Middle Cuff |      |               |
| 3                | 2.5         | Octa | AXBDNS53420TC |
| 4                | 3.5         |      | AXBDNS54420TC |
| 5                | 4.5         |      | AXBDNS55420TC |

RC

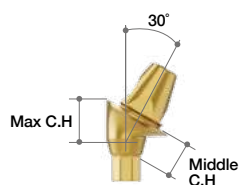
| Cuff Height (mm) |             | Type | Ref.C         |
|------------------|-------------|------|---------------|
| Max Cuff         | Middle Cuff |      |               |
| 3                | 2.5         | Octa | AXBDRS53420TC |
| 4                | 3.5         |      | AXBDRS54420TC |
| 5                | 4.5         |      | AXBDRS55420TC |

## ➡ AXA Abutment & Components (Continued)

### AXA Abutment (30°)

- Abutment Screw (AXBAS1603/AXBAS1604/AXBAS1605) included
- AXA Carrier (AXAC) included

- Recommended torque: 35Ncm



NC

| Cuff Height (mm) |             | Type | Ref.C        |
|------------------|-------------|------|--------------|
| Max Cuff         | Middle Cuff |      |              |
| 3                | 2           | Octa | AXBDN53430TC |
| 4                | 3           |      | AXBDN54430TC |
| 5                | 4           |      | AXBDN55430TC |



RC

| Cuff Height (mm) |             | Type | Ref.C        |
|------------------|-------------|------|--------------|
| Max Cuff         | Middle Cuff |      |              |
| 3                | 2           | Octa | AXBDR53430TC |
| 4                | 3           |      | AXBDR54430TC |
| 5                | 4           |      | AXBDR55430TC |

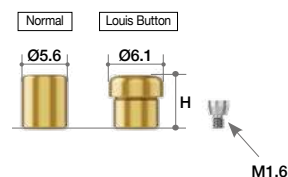
### Healing Cap

- Healing Cap Screw (AXHCS16) included

- The size of the Healing Cap is selected depending on the amount of soft tissue or type of restoration.

- Recommended torque : by Hand (5~8Ncm)

| Height (mm) | Type         | Ref.C      |
|-------------|--------------|------------|
| 6           | Normal       | AXHCS504T  |
|             | Louis Button | AXHCLS504T |

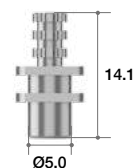


### Impression Cylinder (Pick-up)

- Guide Pin (AXGPP10) included

- Used when making impressions from the abutment level

| Height (mm) | Ref.C     |
|-------------|-----------|
| 14.1        | AXICS504T |



## Analog

- Analog Screw (ALS18) included

- Used instead of Multi-unit Abutment in Working Model
- Used as RP Analog in 3D Printed Working Model

| Post Height (mm) | Ref.C     |
|------------------|-----------|
| 4.0              | AXALS504T |

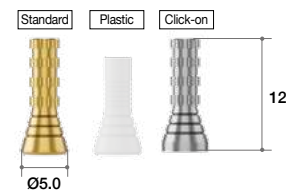


## Temporary Cylinder

- Cylinder Screw (AXCS16) included

- Used when making Acrylic Provisional Restoration
- The groove of the Post Cylinder holds the resin strongly
- Back-up Screw Included
- Recommended Torque: 25Ncm

| Type     | Ref.C      |
|----------|------------|
| Standard | AXTCS504T  |
| Plastic  | AXTCSP504T |
| Click-on | AXTCS504CT |

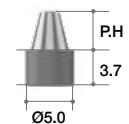


## Reverse Scan

- Cylinder Screw (AXCS16) included

- For chairside / Labside
- Supporting Dental CAD
  - 3Shape / exocad / Dental Wings
- Recommended torque: by hand (5-8Ncm)

| Post Height (mm) | Ref.C     |
|------------------|-----------|
| 4.0              | AXRSS504T |

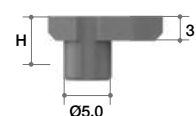


## Scan Bar

- Cylinder Screw (AXCS16) included

- For chairside / Labside
- Supporting Dental CAD
  - 3Shape / exocad / Dental Wings
- Recommended torque: by hand (5-8Ncm)

| Height (mm) | Ref.C     |
|-------------|-----------|
| 7.1         | AXSBS504T |



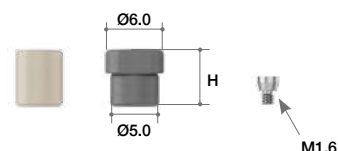
## ➡ AXA Abutment & Components

### Scan Cap

- Healing Cap Screw (AXHCS16) included

- For chairside / Labside
- Supporting Dental CAD
  - 3Shape / exocad / Dental Wings
- Recommended torque: by hand (5~8Ncm)

| Height (mm) | Ref.C      |
|-------------|------------|
| 6           | AXSCSP504T |

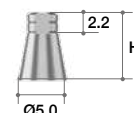


### EZ Post Cylinder

- Cylinder Screw (AXCS16) included

- Recommended torque: 25Ncm

| Height (mm) | Ref.C     |
|-------------|-----------|
| 7           | AXEPCS504 |

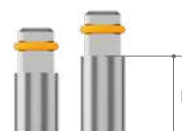


### AXA Driver

(Ratchet type)

- Use to torque straight type AXA Abutments.
- Pick-up available

| Length (mm) | Ref.C     |
|-------------|-----------|
| 9           | MAXDR320S |
| 15          | MAXDR320L |



### Torque Adapter

| Type                            | Ref.C    |
|---------------------------------|----------|
| Torque Wrench Adapter (Ratchet) | *TTAR100 |

(\*) Separate sales item

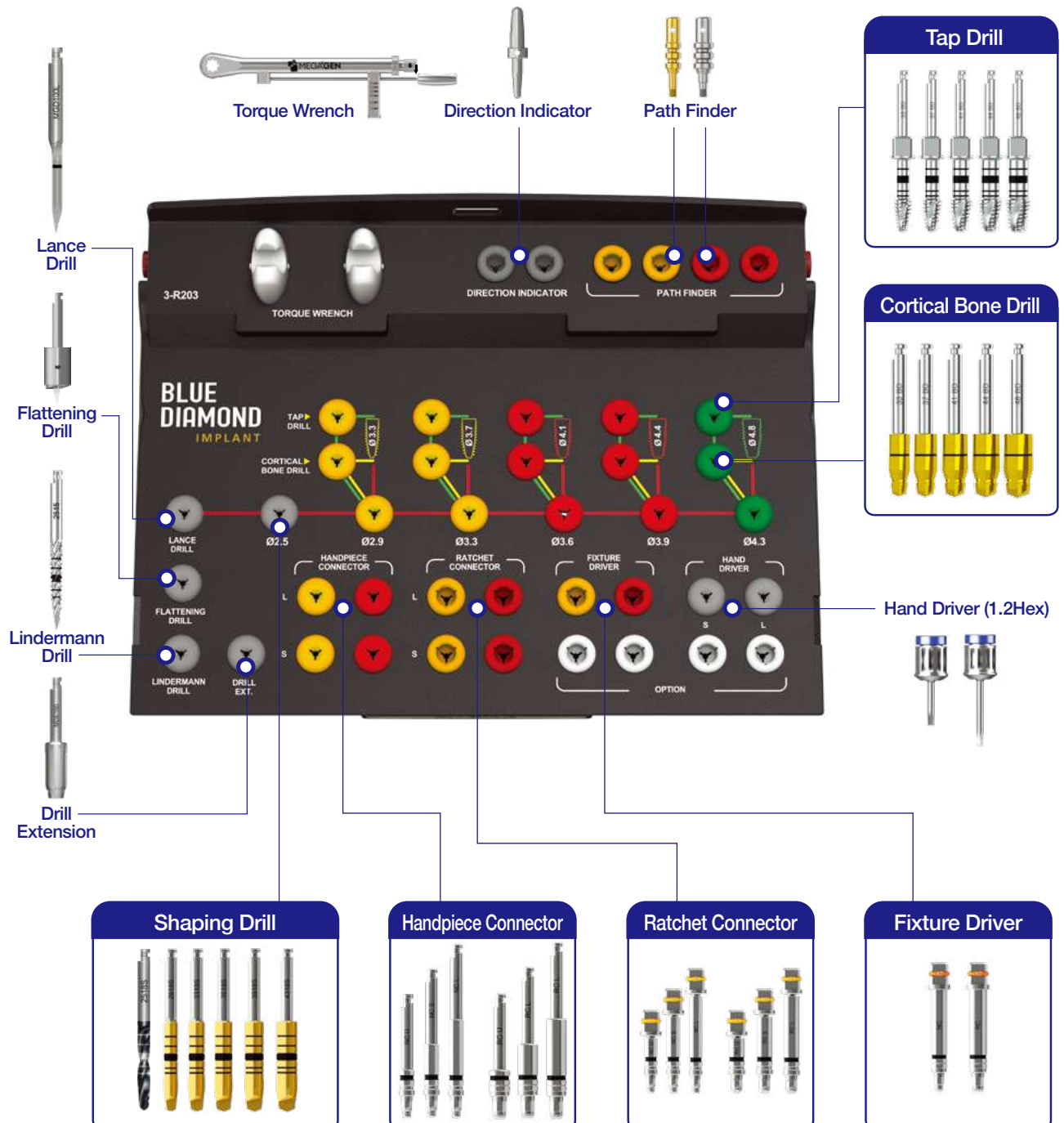


# BLUEDIAMOND IMPLANT Kit

## I. Surgical Kit : Standard Type

Ref.C

KARO3003



KARO3001



## ►► Drilling Protocols (Continued)

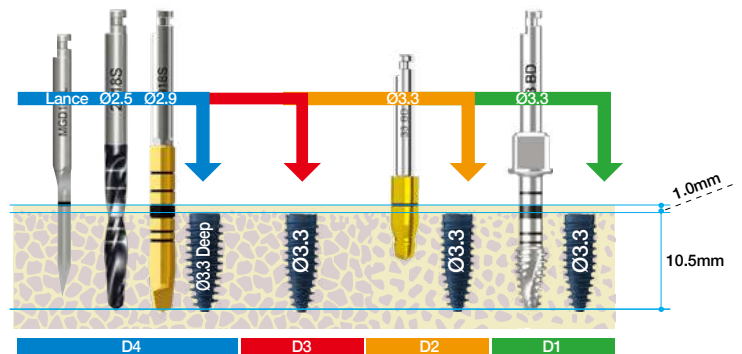
- BLUEDIAMOND® implants achieve optimum initial stability when used with a guided drilling sequence
- BLUEDIAMOND implants should be placed 1mm sub-crestal  
0.5 ~ 1mm sub-crestal placement has been proven to show a better crestal bone response

|         | Flattening Drill                                                                  | Lance                                                                             | Shaping Drills                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Cortical Bone Drills                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Tap Drills                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Stopper Drills                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|         | Ø5.0 / Ø2.0                                                                       | Ø2.0                                                                              | Ø2.5                                                                              | Ø2.9                                                                              | Ø3.3                                                                              | Ø3.6                                                                              | Ø3.9                                                                              | Ø4.3                                                                              | Ø3.6                                                                              | Ø4.0                                                                              | Ø4.4                                                                              | Ø4.7                                                                              | Ø5.0                                                                              | Ø3.3                                                                               | Ø3.7                                                                                | Ø4.1                                                                                | Ø4.4                                                                                | Ø4.8                                                                                | Ø2.5                                                                                | Ø2.9                                                                                | Ø3.3                                                                                | Ø3.6                                                                                | Ø3.9                                                                                | Ø4.3                                                                                |
|         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rpm max | 400~600                                                                           | 800~1000                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 300                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15                                                                                |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 800~1000                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

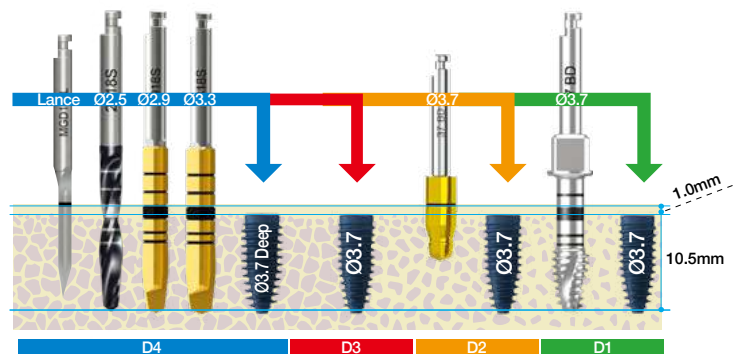
Standard Type

Full Type

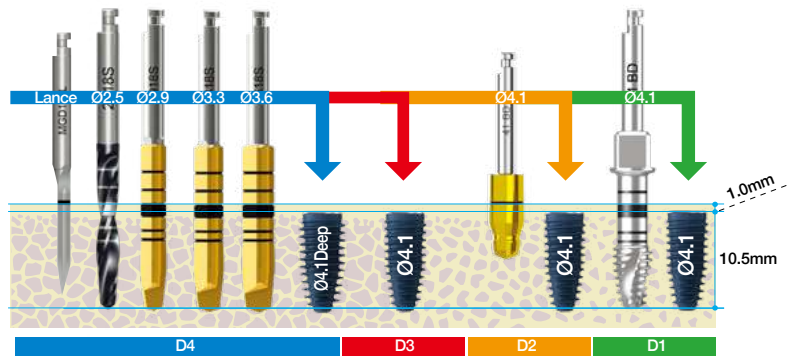
### Ø3.3 Fixture Drilling Sequence



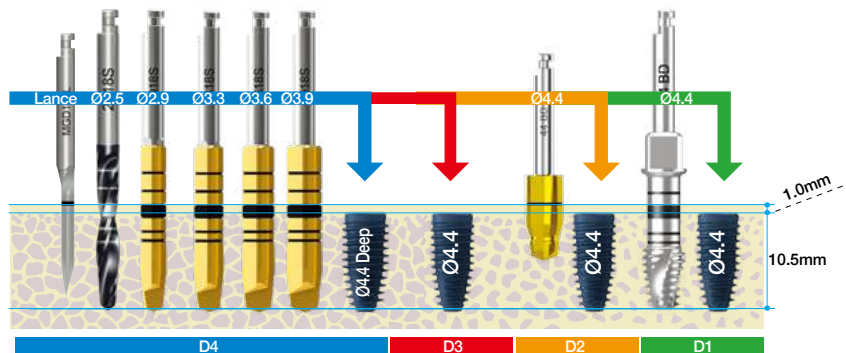
### Ø3.7 Fixture Drilling Sequence



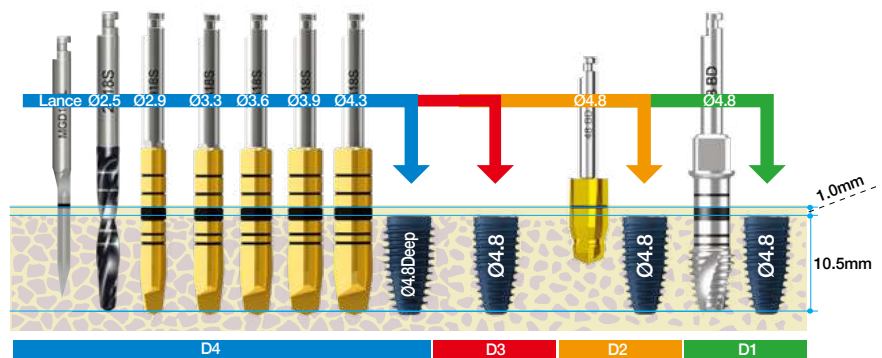
## Ø4.1 Fixture Drilling Sequence



## Ø4.4 Fixture Drilling Sequence



## Ø4.8 Fixture Drilling Sequence



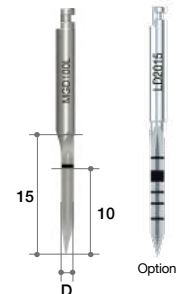
## ➡ Surgical Kit Component (Continued)

### Lance Drill

- Use to make indentation in cortical bone to confirm exact drilling location

| Diameter | Type       | Ref.C   |
|----------|------------|---------|
| Ø2.0     | Long       | MGD100L |
|          | Short      | *LD2015 |
|          | Long       | *LD2025 |
|          | Ultra-Long | *LD2030 |

(\*) Separate sales item

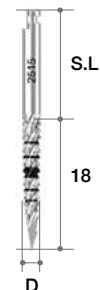


### Lindermann Drill

- Use to correct path during drilling

| Diameter | Shank Length(mm) | Ref.C     |
|----------|------------------|-----------|
| Ø2.5     | 15 (Short)       | LDMD2515  |
|          | 20 (Middle)      | *LDMD2520 |
|          | 25 (Long)        | *LDMD2525 |

(\*) Separate sales item

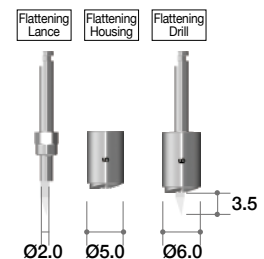


### Flattening Drill

- Use to flatten irregular bone & allow exact drilling with stopper drills
- Designed to engage with Flattening Lance & 2 kinds of Housing to match diameters of different final drills (Ø5.0 & Ø6.0)
- Ø5.0 = Stopper Drill Ø2.0 ~ Ø4.3
- Ø6.0 = Stopper Drill Ø4.8 ~ Ø5.4
- Housing boundary becomes indicator for drilling position of next fixture

| Diameter    | Length(mm) | Ref.C   |
|-------------|------------|---------|
| Ø5.0 / Ø2.0 | 3.5        | FD5020  |
| Ø6.0 / Ø2.0 |            | *FD6020 |

(\*) Separate sales item

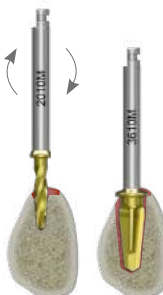


1



- Flattening Drill ensures correct drilling position for accurate fixture placement (If final drill diameter is Ø2.0~Ø4.3, use Ø5.0 Housing, if final drill diameter is Ø4.8, Ø5.4, use Ø6 Housing)

2



- Drilling sequence should consider fixture size & bone density

3



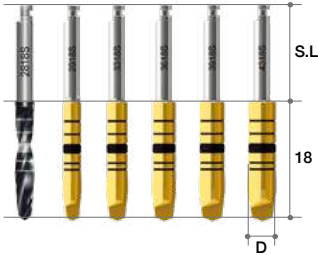
- Place fixture using Handpiece & Ratchet Connector

Shaping Drill

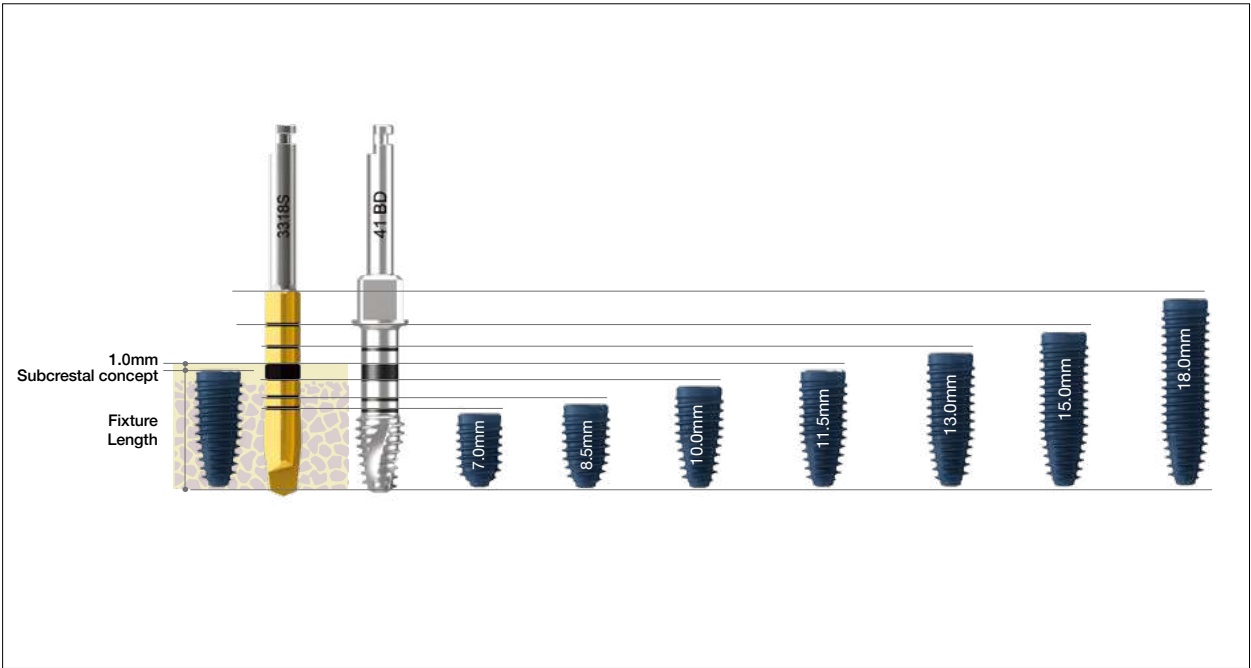
- Each drill has depth markings from 7.0mm to 15.0mm
- Dual marking system (grooves & laser markings) provides visual & radiographic depth verification during surgery
- TiN coating on drills for enhanced corrosion resistance & abrasion resistance
- \* Actual drill length does not normally include Y length of drill
- \* Markings on Shaping Drills are 0.8mm longer than fixture, so fixtures will automatically be placed 1mm sub-crestally if drilling protocol is followed

| Diameter | Blade Length(mm) | Shank Length(mm) | Ref.C       |
|----------|------------------|------------------|-------------|
| Ø2.5     | 18               | 15(Short)        | SD2518S     |
|          |                  | 25(Long)         | *SD2518L    |
| Ø2.9     |                  | 15(Short)        | AROSD2918S  |
|          |                  | 25(Long)         | *AROSD2918L |
| Ø3.3     |                  | 15(Short)        | AROSD3318S  |
|          |                  | 25(Long)         | *AROSD3318L |
| Ø3.6     |                  | 15(Short)        | AROSD3618S  |
|          |                  | 25(Long)         | *AROSD3618L |
| Ø3.9     |                  | 15(Short)        | AROSD3918S  |
|          |                  | 25(Long)         | *AROSD3918L |
| Ø4.3     |                  | 15(Short)        | AROSD4318S  |
|          |                  | 25(Long)         | *AROSD4318L |

(\*) Separate sales item



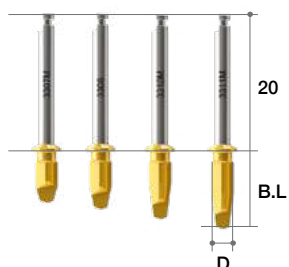
►► Drill Depth Guide



## ➡ Surgical Kit Component (Continued)

### Stopper Drill

- Each diameter has drill lengths of 7.0 / 8.5 / 10 / 11.5mm
- TiN coating on drills for enhanced corrosion resistance & abrasion resistance



| Diameter | Blade Length(mm) | Ref.C      |
|----------|------------------|------------|
| Ø2.5     | 7.0              | SD2507M    |
|          | 8.5              | SD2508M    |
|          | 10               | SD2510M    |
|          | 11.5             | SD2511M    |
| Ø2.9     | 7.0              | AROSD2907M |
|          | 8.5              | AROSD2908M |
|          | 10               | AROSD2910M |
|          | 11.5             | AROSD2911M |
| Ø3.3     | 7.0              | AROSD3307M |
|          | 8.5              | AROSD3308M |
|          | 10               | AROSD3310M |
|          | 11.5             | AROSD3311M |
| Ø3.6     | 7.0              | AROSD3607M |
|          | 8.5              | AROSD3608M |
|          | 10               | AROSD3610M |
|          | 11.5             | AROSD3611M |
| Ø3.9     | 7.0              | AROSD3907M |
|          | 8.5              | AROSD3908M |
|          | 10               | AROSD3910M |
|          | 11.5             | AROSD3911M |
| Ø4.3     | 7.0              | AROSD4307M |
|          | 8.5              | AROSD4308M |
|          | 10               | AROSD4310M |
|          | 11.5             | AROSD4311M |



### Stopper Drill

#### (Long type)

- Use products which has long shanks to avoid interference with adjacent teeth
- \* Availability may vary by country



| Diameter | Blade Length(mm) | Shank Length(mm) | Ref.C       |
|----------|------------------|------------------|-------------|
| Ø2.5     | 7.0              | 25               | *SD2507L    |
|          | 8.5              | 24               | *SD2508L    |
| Ø2.9     | 7.0              | 25               | *AROSD2907L |
|          | 8.5              | 24               | *AROSD2908L |
| Ø3.3     | 7.0              | 25               | *AROSD3307L |
|          | 8.5              | 24               | *AROSD3308L |
| Ø3.6     | 7.0              | 25               | *AROSD3607L |
|          | 8.5              | 24               | *AROSD3608L |
| Ø3.9     | 7.0              | 25               | *AROSD3907L |
|          | 8.5              | 24               | *AROSD3908L |
| Ø4.3     | 7.0              | 25               | *AROSD4307L |
|          | 8.5              | 24               | *AROSD4308L |

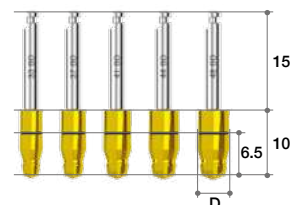
(\*) Separate sales item



## Cortical Bone Drill

- Use to remove & shape cortical bone to control initial stability in dense bone (type II)
- TiN coating on drills for enhanced corrosion resistance & abrasion resistance

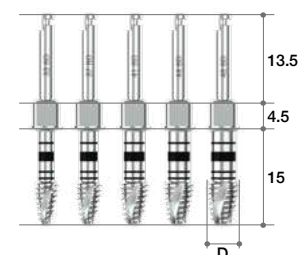
| Diameter | Blade Length(mm) | Shank Length(mm) | Ref.C  |
|----------|------------------|------------------|--------|
| Ø3.6     | 10               | 15               | AROC33 |
| Ø4.0     |                  |                  | AROC37 |
| Ø4.4     |                  |                  | AROC41 |
| Ø4.7     |                  |                  | AROC44 |
| Ø5.0     |                  |                  | AROC48 |



## Tap Drill

- Can be used with both Handpiece (dental implant engine) & Ratchet Wrench

| Diameter | Marking                  | Ref.C   |
|----------|--------------------------|---------|
| Ø3.6     | 7/ 8.5/ 10/ 11.5/ 13/ 15 | AROTD33 |
| Ø4.0     |                          | AROTD37 |
| Ø4.4     |                          | AROTD41 |
| Ø4.7     |                          | AROTD44 |
| Ø5.0     |                          | AROTD48 |



## Handpiece Connector

- Use with Handpiece when removing fixture from ampule & placing fixture
- Spring-type connection allows easy & secure pick-up & positioning of fixture
- First mark on shaft indicates position of fixture platform
- Bottom & top of black line indicate 3mm & 4mm from fixture platform, respectively
- Especially useful in flapless surgery

| Length (mm) | Type        | Connection | Ref.C     |
|-------------|-------------|------------|-----------|
| 5           | Ultra-short | NC         | *AROHCU21 |
| 10          | Short       |            | AROHCS21  |
| 15          | Long        |            | AROHCL21  |
| 5           | Ultra-short | RC         | *AROHCU25 |
| 10          | Short       |            | AROHCS25  |
| 15          | Long        |            | AROHCL25  |

(\*) Separate sales item



## Ratchet Connector

- Use with Ratchet Wrench when inserting or removing fixture
- Make sure Ratchet Connector is securely seated in Ratchet Wrench before using
- Excessive force can cause damage to internal Octa of fixture
- Marks on shaft indicate position of fixture platform
- Bottom & top of black line indicate 3mm & 4mm from fixture platform, respectively
- Especially useful in flapless surgery
- Fracture of the neck when a torque of 190 Ncm or more is applied (Recommended to use 80 Ncm or less)

| Length (mm) | Type        | Connection | Ref.C     |
|-------------|-------------|------------|-----------|
| 5           | Ultra-short | NC         | *ARORCU21 |
| 10          | Short       |            | ARORCS21  |
| 15          | Long        |            | ARORCL21  |
| 5           | Ultra-short | RC         | *ARORCU25 |
| 10          | Short       |            | ARORCS25  |
| 15          | Long        |            | ARORCL25  |

(\*) Separate sales item



## ➡ Surgical Kit Component (Continued)

### Fixture Driver

- If Ratchet Connector breaks from over-torquing during placement, connect Fixture Driver to Torque Wrench (Ratchet type) to remove fixture
- Excessive force can cause damage to internal Octa of fixture

| Length (mm) | Connection | Ref.C  |
|-------------|------------|--------|
| 20          | NC         | AROFDN |
|             | RC         | AROFDR |



### Hand Driver (1.2 Hex)

- For use with all Cover Screws, Abutment Screws & Healing Abutments
- 4 lengths available
- Directly insert into Torque Wrench without adapter
- Hex tip can withstand 35-45Ncm of torque without distorting

| Length(mm) | Type        | Ref.C        |
|------------|-------------|--------------|
| 5          | Ultra-short | *TCMH DU1200 |
| 10         | Short       | TCMH DS1200  |
| 15         | Long        | TCMH DL1200  |
| 20         | Extra-long  | *TCMH DE1200 |
| 30         | Extra-long  | *TCMH DE1230 |

(\*) Separate sales item



### Drill Extension

- For extending drills & other handpiece tools
- Up to 45Ncm torque: can be distorted when too much force is applied

| Ref.C  |
|--------|
| MDE150 |



### Direction Indicator

- Confirms drilling direction & functions as parallel guide for additional osteotomies
- Each end of Direction Indicator has different diameter - Ø2.0 & Ø2.8.

| Length (mm) | Ref.C  |
|-------------|--------|
| Ø2.0 / Ø2.8 | MDI100 |



## Path Finder

- Use to guide parallel placement of subsequent fixtures
- Grooves measure gingival depth, especially useful for flapless surgery

| Length(mm) | Type | Ref.C  |
|------------|------|--------|
| 10         | NC   | AROPFN |
|            | RC   | AROPFR |



## Torque Wrench (Ratchet type)

- Torque range: 15Ncm to 70Ncm
- Use for implant placement & final tightening of abutment screw

| Type          | Ref.C  |
|---------------|--------|
| Torque Wrench | TWSQ70 |

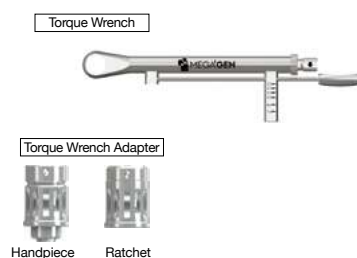


## Torque Wrench & Adapter

- Torque range: 15Ncm to 70Ncm
- Use for implant placement & final tightening of abutment screw

| Type                              | Ref.C    |
|-----------------------------------|----------|
| Torque Wrench (~70Ncm)            | *TW70    |
| Torque Wrench (~45Ncm)            | *MTW300A |
| Torque Wrench Adapter (Handpiece) | *TTAI100 |
| Torque Wrench Adapter (Ratchet)   | *TTAR100 |

(\*) Separate sales item



## Connection Repair Tool

- A tool that restores fixture connection damage.
- Cause of Fixture Connection Damage: Excessive torque when connector & fixture are incompletely connected.
- Occurrence phenomenon: Impression or abutment not combined.

\*Caution: Please refer to the instructions for use.

\* Availability may vary by country

| Length (mm) | Type  | Connection | Ref.C     |
|-------------|-------|------------|-----------|
| 15          | Short | NC         | *BDCRTN15 |
| 20          | Long  |            | *BDCRTN20 |
| 15          | Short | RC         | *BDCRTR15 |
| 20          | Long  |            | *BDCRTR20 |

(\*) Separate sales item

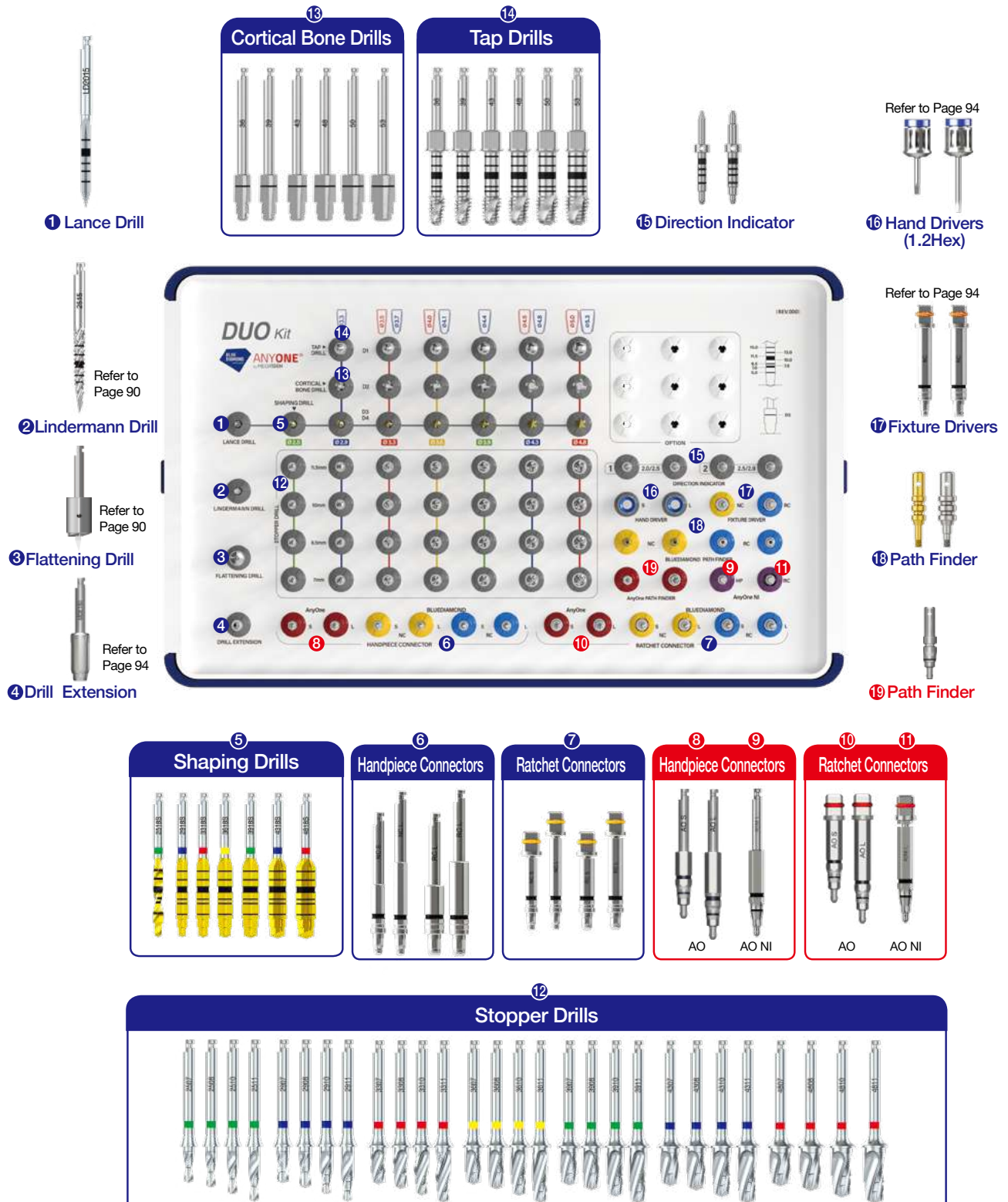


## II. Duo Surgical Kit : AnyOne Type

※ Availability may vary by country

Ref.C

MKBDAO3000L



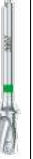
Ref.C

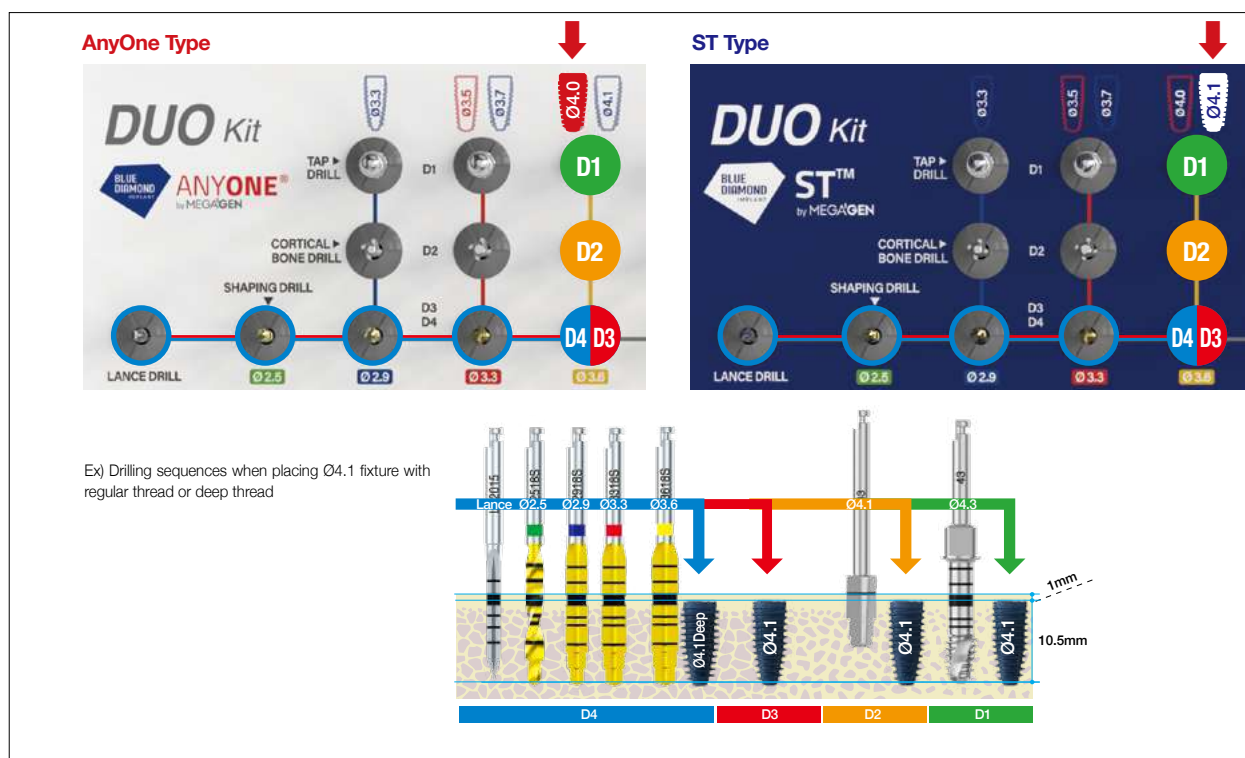
MKBDST3000L



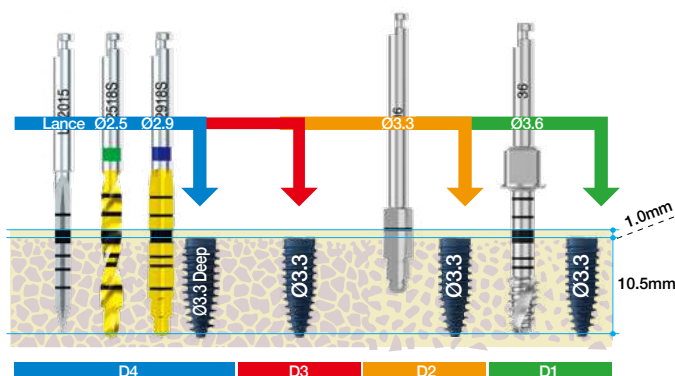
## ►► Drilling Protocols (Continued)

- BLUEDIAMOND® implants achieve optimum initial stability when used with a guided drilling sequence
- BLUEDIAMOND implants should be placed 1mm sub-crestal  
0.5 ~1mm sub-crestal placement has been proven to show a better crestal bone response

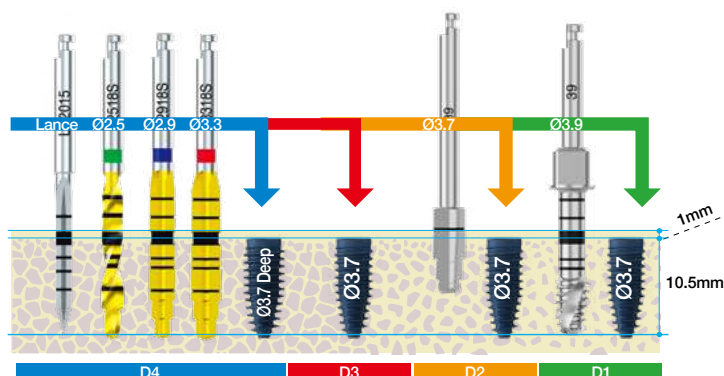
|         | Flattening Drill                                                                  | Lance                                                                             | Shaping Drills                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Cortical Bone Drills                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    | Tap Drills                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Stopper Drills                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|         | Ø5.0 / Ø2.0                                                                       | Ø2.0                                                                              | Ø2.5                                                                              | Ø2.9                                                                              | Ø3.3                                                                              | Ø3.6                                                                              | Ø3.9                                                                              | Ø4.3                                                                              | Ø4.8                                                                              | Ø3.6                                                                              | Ø3.9                                                                              | Ø4.3                                                                              | Ø4.8                                                                              | Ø5.0                                                                               | Ø3.6                                                                                | Ø3.9                                                                                | Ø4.3                                                                                | Ø4.8                                                                                | Ø5.0                                                                                | Ø2.5                                                                                | Ø2.9                                                                                | Ø3.3                                                                                | Ø3.6                                                                                | Ø3.9                                                                                | Ø4.3                                                                                | Ø4.8                                                                                |
|         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rpm max | 400~600                                                                           | 800~1000                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 300                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 800~1000                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |



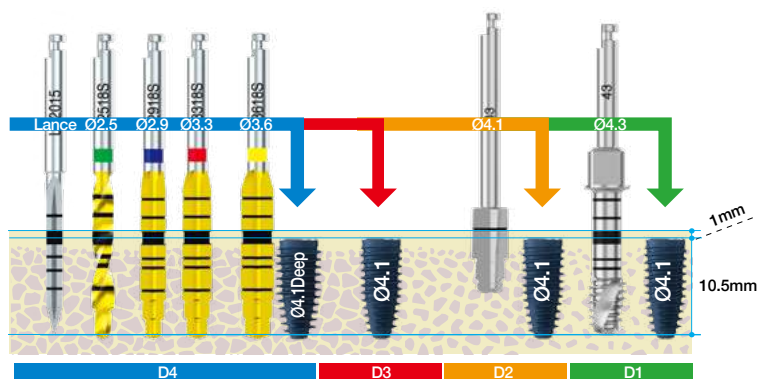
### Ø3.3 Fixture Drilling Sequence



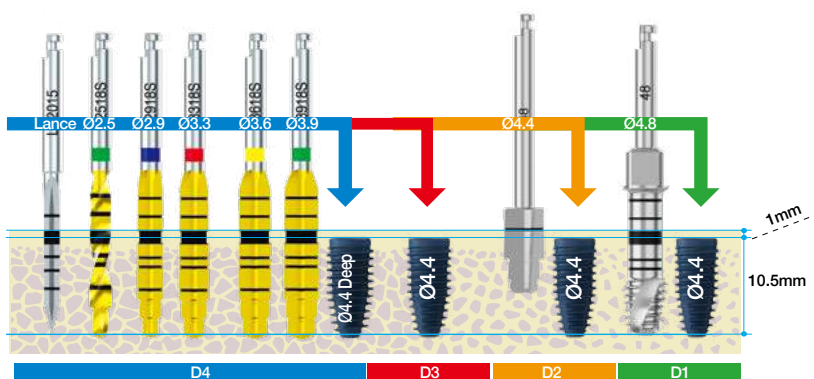
## Ø3.7 Fixture Drilling Sequence



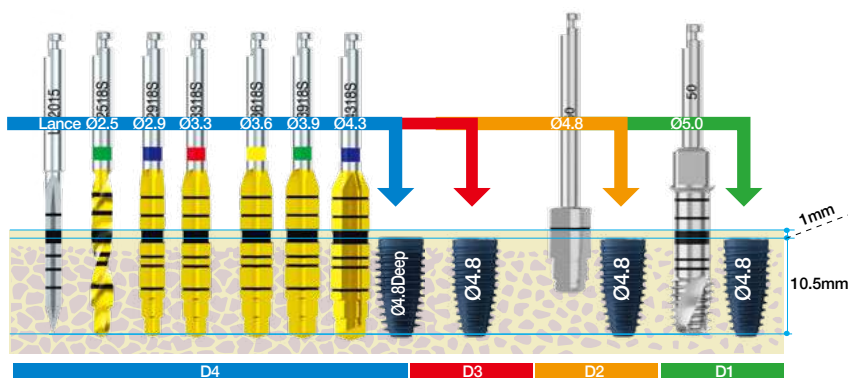
## Ø4.1 Fixture Drilling Sequence



## Ø4.4 Fixture Drilling Sequence



## Ø4.8 Fixture Drilling Sequence



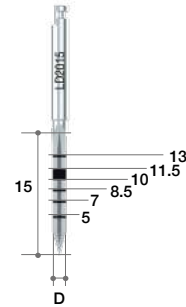
## ➡ Duo Kit Component (Continued)

### Lance Drill

- Use to make indentation in cortical bone to confirm exact drilling location
- Each drill has depth markings from 5.0mm to 13.0mm

| Diameter | Type       | Ref.C   |
|----------|------------|---------|
| Ø2.0     | Short      | LD2015  |
|          | Long       | *LD2025 |
|          | Ultra-Long | *LD2030 |

(\*) Separate sales item

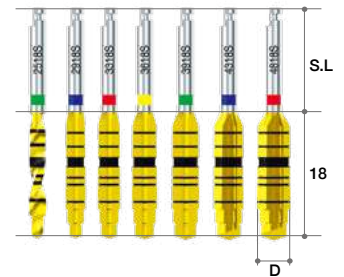


### Shaping Drill

- Each drill has depth markings from 5.0mm to 15.0mm
- Dual marking system (grooves & laser markings) provides visual & radiographic depth verification during surgery
- TiN coating on drills for enhanced corrosion resistance & abrasion resistance
- \* Actual drill length does not normally include Y length of drill
- \* Markings on Shaping Drills are 0.8mm longer than fixture, so fixtures will automatically be placed 1mm sub-crestally if drilling protocol is followed
- \* Availability may vary by country

| Diameter | Blade Length(mm) | Shank Length(mm) | Ref.C      |
|----------|------------------|------------------|------------|
| Ø2.5     | 18               | 15(Short)        | CMSD2518S  |
|          |                  | 20(Middle)       | *CMSD2518M |
|          |                  | 25(Long)         | *CMSD2518L |
| Ø2.9     | 18               | 15(Short)        | CMSD2918S  |
|          |                  | 20(Middle)       | *CMSD2918M |
|          |                  | 25(Long)         | *CMSD2918L |
| Ø3.3     | 18               | 15(Short)        | CMSD3318S  |
|          |                  | 20(Middle)       | *CMSD3318M |
|          |                  | 25(Long)         | *CMSD3318L |
| Ø3.6     | 18               | 15(Short)        | CMSD3618S  |
|          |                  | 20(Middle)       | *CMSD3618M |
|          |                  | 25(Long)         | *CMSD3618L |
| Ø3.9     | 18               | 15(Short)        | CMSD3918S  |
|          |                  | 20(Middle)       | *CMSD3918M |
|          |                  | 25(Long)         | *CMSD3918L |
| Ø4.3     | 18               | 15(Short)        | CMSD4318S  |
|          |                  | 20(Middle)       | *CMSD4318M |
|          |                  | 25(Long)         | *CMSD4318L |
| Ø4.8     | 18               | 15(Short)        | CMSD4818S  |
|          |                  | 20(Middle)       | *CMSD4818M |
|          |                  | 25(Long)         | *CMSD4818L |

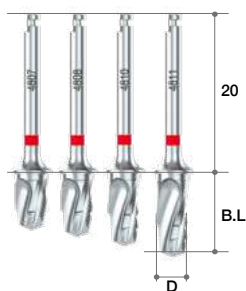
(\*) Separate sales item



## Stopper Drill

• 7.5 / 8.5 / 10 / 11.5mm

\* Availability may vary by country



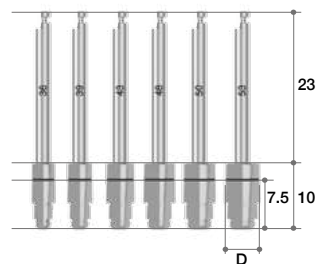
| Diameter | Blade Length(mm) | Ref.C    |
|----------|------------------|----------|
| Ø2.5     | 7.5              | CMSD2507 |
|          | 8.5              | CMSD2508 |
|          | 10               | CMSD2510 |
|          | 11.5             | CMSD2511 |
| Ø2.9     | 7.5              | CMSD2907 |
|          | 8.5              | CMSD2908 |
|          | 10               | CMSD2910 |
|          | 11.5             | CMSD2911 |
| Ø3.3     | 7.5              | CMSD3307 |
|          | 8.5              | CMSD3308 |
|          | 10               | CMSD3310 |
|          | 11.5             | CMSD3311 |
| Ø3.6     | 7.5              | CMSD3607 |
|          | 8.5              | CMSD3608 |
|          | 10               | CMSD3610 |
|          | 11.5             | CMSD3611 |
| Ø3.9     | 7.5              | CMSD3907 |
|          | 8.5              | CMSD3908 |
|          | 10               | CMSD3910 |
|          | 11.5             | CMSD3911 |
| Ø4.3     | 7.5              | CMSD4307 |
|          | 8.5              | CMSD4308 |
|          | 10               | CMSD4310 |
|          | 11.5             | CMSD4311 |
| Ø4.8     | 7.5              | CMSD4807 |
|          | 8.5              | CMSD4808 |
|          | 10               | CMSD4810 |
|          | 11.5             | CMSD4811 |



## Cortical Bone Drill

- Use to remove & shape cortical bone to control initial stability in dense bone (type I, type II)
- TiN coating on drills for enhanced corrosion resistance & abrasion resistance

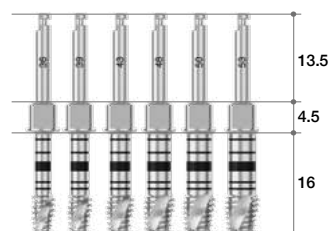
| Diameter | Blade Length(mm) | Shank Length(mm) | Ref.C  |
|----------|------------------|------------------|--------|
| Ø3.6     | 10               | 23               | CMCD36 |
| Ø4.0     |                  |                  | CMCD39 |
| Ø4.3     |                  |                  | CMCD43 |
| Ø4.8     |                  |                  | CMCD48 |
| Ø5.0     |                  |                  | CMCD50 |
| Ø5.3     |                  |                  | CMCD53 |



## Tap Drill

- Can be used with both Handpiece (dental implant engine) & Ratchet Wrench

| Diameter | Marking                         | Ref.C  |
|----------|---------------------------------|--------|
| Ø3.6     | 7.5 / 8.5 / 10 / 11.5 / 13 / 15 | CMTD36 |
| Ø4.0     |                                 | CMTD39 |
| Ø4.3     |                                 | CMTD43 |
| Ø4.8     |                                 | CMTD48 |
| Ø5.0     |                                 | CMTD50 |
| Ø5.3     |                                 | CMTD53 |



## ➡ Duo Kit Component

### Handpiece Connector

- Use with Handpiece when removing fixture from ampule & placing fixture
- Spring-type connection allows easy & secure pickup & positioning of fixture
- First mark on shaft indicates position of fixture platform
- Bottom & top of black line indicate 3mm & 4mm from fixture platform, respectively
- Especially useful in flapless surgery

| Length (mm) | Type  | Connection | Ref.C    |
|-------------|-------|------------|----------|
| 10          | Short | NC         | AROHCS21 |
| 15          | Long  |            | AROHCL21 |
| 10          | Short | RC         | AROHCS25 |
| 15          | Long  |            | AROHCL25 |

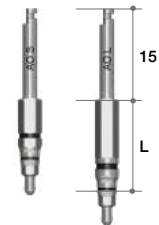


### Handpiece Connector

- Used with Handpiece to remove fixture from ampule and to place the fixture.
- Spring type connection allows for easy and secure pick-up and positioning of the fixture.
- First mark on the shaft indicate the position of the fixture platform, For second mark, the bottom of the black line is 3mm and the top of the black line is 4mm(from fixture platform).
- Especially useful in flapless surgery.

#### AnyOne Internal& External

| Length(mm) | Type  | Connection | Ref.C |
|------------|-------|------------|-------|
| 10         | Short | Hex. 2.5   | HCS25 |
| 15         | Long  |            | HCL25 |



### Handpiece Connector

- Used with Handpiece to remove fixture from ampule and to place the fixture.
- Spring type connection allows for easy and secure pick-up and positioning of the fixture.
- First mark on the shaft indicate the position of the fixture platform, For second mark, the bottom of the black line is 3mm and the top of the black line is 4mm(from fixture platform).
- Especially useful in flapless surgery.

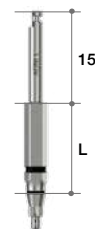
#### ST

| Length(mm) | Type  | Connection | Ref.C   |
|------------|-------|------------|---------|
| 15         | Long  | Mini       | STHCL21 |
| 10         | Short | Regular    | STHCS25 |
| 15         | Long  | Regular    | STHCL25 |



#### AnyOne NI & ST NI

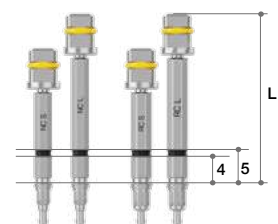
| Length(mm) | Type | Connection | Ref.C  |
|------------|------|------------|--------|
| 15         | Long | Torx 2.4   | HCTL25 |



### Ratchet Connector

- Use with Torque Wrench when inserting or removing fixture
- Make sure Ratchet Connector is securely seated in Torque Wrench before using
- Excessive force can cause damage to internal Octa of fixture
- Marks on shaft indicate position of fixture platform
- Bottom & top of black line indicate 3mm & 4mm from fixture platform, respectively
- Especially useful in flapless surgery
- Fracture of the neck when a torque of 190 Ncm or more is applied (Recommended to use 80 Ncm or less)

| Length (mm) | Type  | Connection | Ref.C    |
|-------------|-------|------------|----------|
| 20          | Short | NC         | ARORCS21 |
| 25          | Long  |            | ARORCL21 |
| 20          | Short | RC         | ARORCS25 |
| 25          | Long  |            | ARORCL25 |



## Ratchet Connector

- Use with Ratchet Wrench when inserting or removing fixture
- Make sure Ratchet Connector is securely seated in Ratchet Wrench before using
- Excessive force can cause damage to internal Octa of fixture
- Marks on shaft indicate position of fixture platform
- Bottom & top of black line indicate 3mm & 4mm from fixture platform, respectively
- Especially useful in flapless surgery
- Fracture of the neck when a torque of 190 Ncm or more is applied (Recommended to use 80 Ncm or less)

### Internal & External

| Length(mm) | Type  | Connection | Ref.C |
|------------|-------|------------|-------|
| 15         | Short | Hex. 2.5   | RCS25 |
| 20         | Long  |            | RCL25 |



## Ratchet Connector

- For placing or removing fixture using ratchet wrench
- Check if ratchet wrench & ratchet connector are connected properly before use
- Too much torque can damage internal hex
- First (bottom) mark on shaft indicates position of fixture platform, while second (top) mark indicates distance from fixture platform. Lower part indicates 3.5mm from bone level & upper part indicates 4.5mm as guide for flapless surgery.

### ST

| Length(mm) | Type  | Connection | Ref.C   |
|------------|-------|------------|---------|
| 20         | Long  | Mini       | STRCL21 |
| 15         | Short | Regular    | STRCS25 |
| 20         | Long  | Regular    | STRCL25 |



### AnyOne NI & ST NI

| Length(mm) | Type | Connection | Ref.C  |
|------------|------|------------|--------|
| 20         | Long | Torx 2.4   | RCTL25 |



## Path Finder

- Use to guide parallel placement of subsequent fixtures
- Grooves measure gingival depth, especially useful for flapless surgery

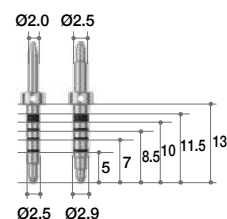
| Length(mm) | Type | Ref.C  |
|------------|------|--------|
| 10         | NC   | AROPFN |
|            | RC   | AROPFR |



## Direction Indicator

- Confirms drilling direction & functions as parallel guide for additional osteotomies
- Each end of Direction Indicator has different diameter - Ø2.0, Ø2.5, Ø2.9
- Laser Marking can check drilling depth

| Diameter    | Ref.C    |
|-------------|----------|
| Ø2.0 / Ø2.5 | CMDI2025 |
| Ø2.5 / Ø2.9 | CMDI2529 |

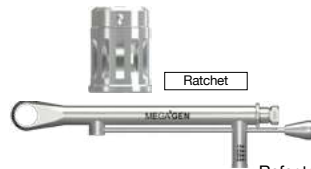


# III. Prosthetic Kit

Includes various drivers required for prosthetics

Ref.C

KANPK3000



6 Torque Wrench & Adapter

Refer to Page 95



7 Transger Impression Coping Driver

1 Abutment Removal Driver

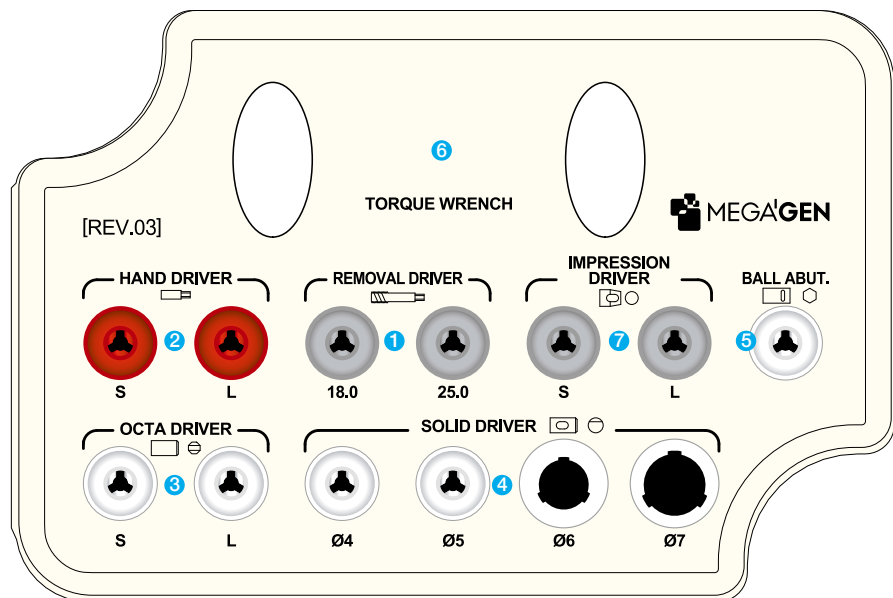


Refer to Page 109

2 Hand Driver



Refer to Page 94



3 Octa Driver



4 Solid Driver



5 Ball Driver



## ➡ Prosthetic kit Component

### Solid Driver

- For delivering solid abutment
- Color coded: Ø4-magenta, Ø5-blue, Ø6-yellow, Ø7-green
- Heights: 8.5 & 13.5mm
- Directly connectable to Torque Wrench

| Solid Abutment Profile Diameter | Length(mm) | Ref.C       |
|---------------------------------|------------|-------------|
| Ø4                              | 8.5        | TANSDS400   |
|                                 | 13.5       | *TANS DL400 |
| Ø5                              | 8.5        | TANSDS500   |
|                                 | 13.5       | *TANS DL500 |
| Ø6                              | 8.5        | TANSDS600   |
|                                 | 13.5       | *TANS DL600 |
| Ø7                              | 8.5        | TANSDS700   |
|                                 | 13.5       | *TANS DL700 |



(\*) Separate sales item

### Octa Driver

- For seating Octa Abutment into fixture
- Can also be connected to Torque Wrench

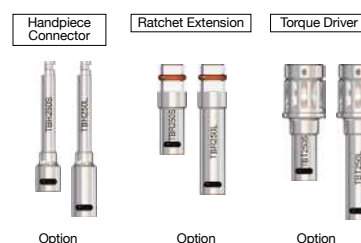
| Length(mm) | Ref.C   |
|------------|---------|
| 7          | MOD300S |
| 13         | MOD300L |



### Ball Driver

- For seating Ball Abutment into fixture
- Connections for Handpiece, Ratchet & Torque Wrench
- Available as long or short

| Type                       | Ref.C    |
|----------------------------|----------|
| Handpiece Connector(Short) | *TBH250S |
| Handpiece Connector(Long)  | *TBH250L |
| Ratchet Extension(Short)   | *TBR250S |
| Ratchet Extension(Long)    | *TBR250L |
| Torque Driver(Short)       | *TBT250S |
| Torque Driver(Long)        | TBT250L  |

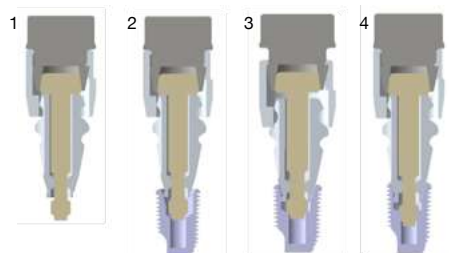


(\*) Separate sales item

### Impression Coping Driver (Transfer)

- For transfer-type impression coping
- Small yet powerful grip

| Type                            | Ref.C  |
|---------------------------------|--------|
| For two-piece impression coping | TCMID  |
| For one-piece impression coping | TCMIDE |



1. Connect Impression Coping & Impression Driver
2. Adjust connection with fixture by turning Holder clockwise
3. Push Holder & insert Impression Coping into fixture.
4. Turn Driver clockwise to ensure connection of Impression Coping & Fixture.

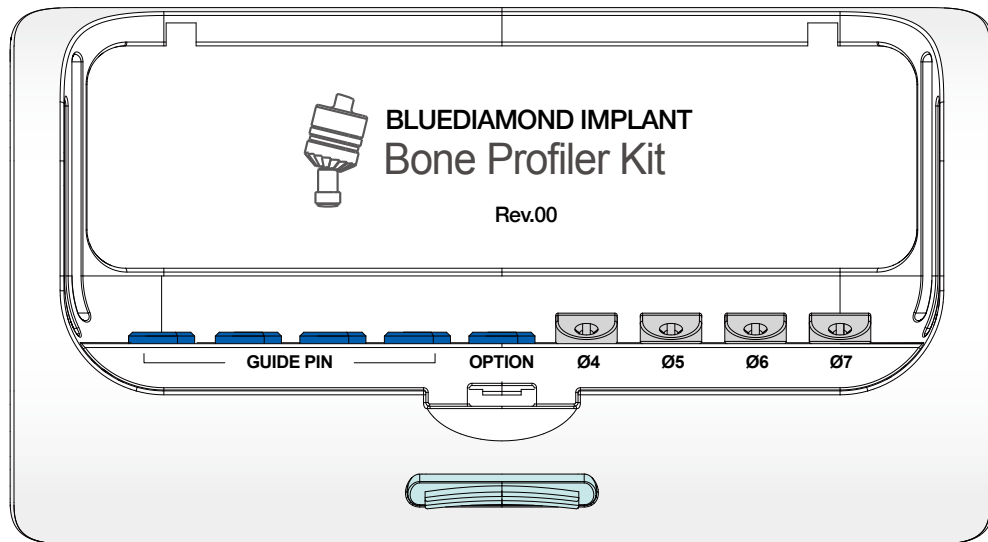
## IV. Bone Profiler Kit

Removes overhanging bone around fixture to allow adequate seating of Healing Abutment or Prosthetic Abutment

Ref.C

KAROBP3000

- Insert guide pin into fixture & select appropriate Bone Profiler
- Kit includes 4 sizes of bone profiler & 4 guide pins



### Bone Profiler

- Guide pin (AROBPGP) included

- Each bone profiler can be purchased separately, as refill
- Each package includes bone profiler & guide pin

| Profile Diameter | Length (mm) | Ref.C     |
|------------------|-------------|-----------|
| Ø4               | 13          | AROBPL40G |
| Ø5               |             | AROBPL50G |
| Ø6               | 8           | AROBPS60G |
| Ø7               |             | AROBPS70G |



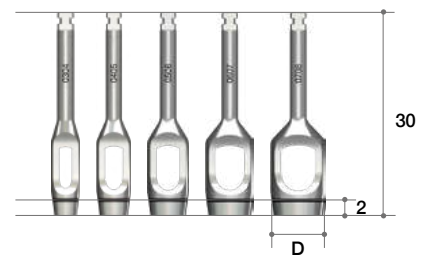
## V. Optional Component (continued)

- not included in surgical kit
- may be purchased separately & placed in spaces provided in surgical kit

### Tissue Punches

- For removing soft tissue from osteotomy socket, especially useful in flapless surgery
- Identify soft tissue thickness using laser marking at 2mm
- Minimizes loss of soft tissue in flapless surgery
- Can stop bleeding when used with healing abutmen

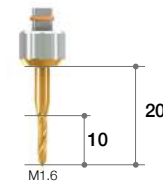
| Diameter             | Marking | Ref.C      |
|----------------------|---------|------------|
| In. Ø2.1 / Out. Ø2.6 | 2mm     | TCMTPM2535 |
| In. Ø3 / Out. Ø4     |         | TCMTPM0304 |
| In. Ø4 / Out. Ø5     |         | TCMTPM0405 |
| In. Ø5 / Out. Ø6     |         | TCMTPM0506 |
| In. Ø6 / Out. Ø7     |         | TCMTPM0607 |
| In. Ø7 / Out. Ø8     |         | TCMTPM0708 |



### Hand Tap

- Useful when internal screw of fixture has been damaged
- For re-tapping disabled thread
- Caution: use of excessive force can cause further damage, so apply force slowly & gradually

| Length(mm) | Type | Ref.C   |
|------------|------|---------|
| 10         | M1.6 | THT160L |



### Ratchet Wrench

- Used to exert more force than Handpiece
- No bearing system: no breakage or corrosion problems
- Attaches to Ratchet Extension
- Arrow laser marking indicates direction of force

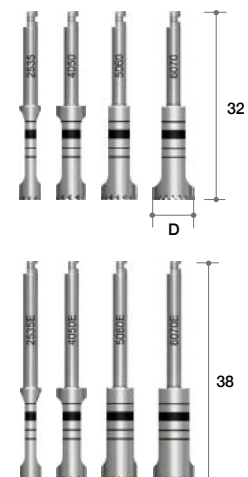
| Ref.C   |
|---------|
| MRW040S |



### Trephine Burs

- Use to minimize drilling steps, especially for wider fixtures
- Helpful for collecting autogenous bone
- Useful for removing failed & fractured fixtures
- Depth markings are 7, 8.5, 10, 11.5, 13mm, same as fixture depths (no Y dimension, so markings are actual length)
- Markings on drill shaft represent inside / outside diameter of Trephine Burs

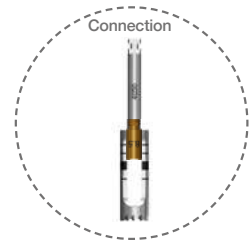
| Diameter       | Type         | Ref.C      |
|----------------|--------------|------------|
| Ø3.5 (in Ø2.5) | Short (32mm) | TANTBL2535 |
| Ø5.0 (in Ø4.0) |              | TANTBL4050 |
| Ø6.0 (in Ø5.0) |              | TANTBL5060 |
| Ø7.0 (in Ø6.0) |              | TANTBL6070 |
| Ø3.5 (in Ø2.5) | Long (38mm)  | TANTBE2535 |
| Ø5.0 (in Ø4.0) |              | TANTBE4050 |
| Ø6.0 (in Ø5.0) |              | TANTBE5060 |
| Ø7.0 (in Ø6.0) |              | TANTBE6070 |



## Trephine Bur Stopper

- Controls depth of trephination
- Especially useful in cases with limited available bone

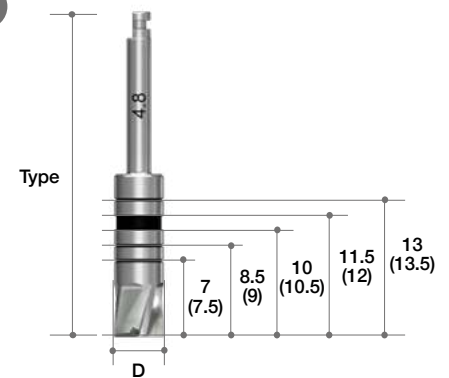
| Type | Ref.C      |
|------|------------|
| 7.0  | TANTSF2307 |
| 8.5  | TANTSF2308 |
| 10.0 | TANTSF2310 |
| 11.5 | TANTSF2311 |



## Bottom Drill

- Removes remaining bone in osteotomy socket after trephine drilling
- Laser markings of fixture sizes: 7, 8.5, 10, 11.5 & 13mm

| Diameter | Type            | Ref.C    |
|----------|-----------------|----------|
| Ø3.3     | Short<br>(32mm) | TCMBDS33 |
| Ø3.8     |                 | TCMBDS38 |
| Ø4.8     |                 | TCMBDS48 |
| Ø5.8     |                 | TCMBDS58 |
| Ø6.8     |                 | TCMBDS68 |
| Ø3.3     | Long<br>(38mm)  | TCMBDL33 |
| Ø3.8     |                 | TCMBDL38 |
| Ø4.8     |                 | TCMBDL48 |
| Ø5.8     |                 | TCMBDL58 |
| Ø6.8     |                 | TCMBDL68 |

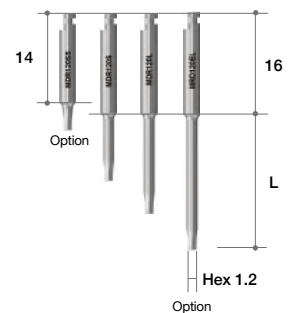


## Right Angle Drivers (1.2 HEX)

- For engaging with cover screws, abutment screws & healing abutments
- Hex tip designed to withstand torque force of 35~45 Ncm

| Length(mm) | Type        | Ref.C     |
|------------|-------------|-----------|
| 4          | Ultra-short | *MDR120SS |
| 10         | Short       | MDR120S   |
| 15         | Long        | MDR120L   |
| 20         | Extra Long  | *MDR120EL |

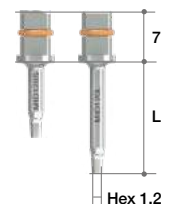
(\*) Separate sales item



## Insert Drivers (1.2 HEX)

- For engaging with cover screws, abutment screws & healing abutments
- Hex tip designed to withstand torque force of 35~45 Ncm

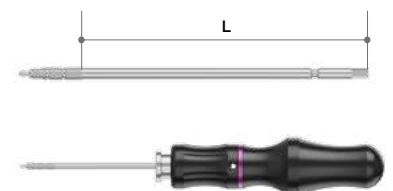
| Length(mm) | Type  | Ref.C   |
|------------|-------|---------|
| 10         | Short | MID120S |
| 15         | Long  | MID120L |



## Manual Inserter Tip

- Specially designed for manual placement of BLUE-DIAMOND fixture.
  - Especially useful at immediate implant placement on maxillary anterior.
  - To use, attach to the Tip Driver (TD) (refer to p.109)
- ※Availability may vary by country

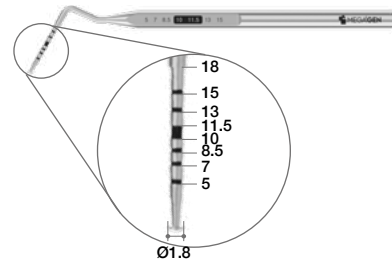
| Length(mm) | Type | Ref.C    |
|------------|------|----------|
| 70         | NC   | BDMITN70 |
| 90         |      | BDMITN90 |
| 70         | RC   | BDMITR70 |
| 90         |      | BDMITR90 |



## Depth Gauge

- It is used to check the hole depth after drilling

| Diameter | Ref.C  |
|----------|--------|
| Ø1.8     | CMDG18 |



## Reamer Drill & Center Pin

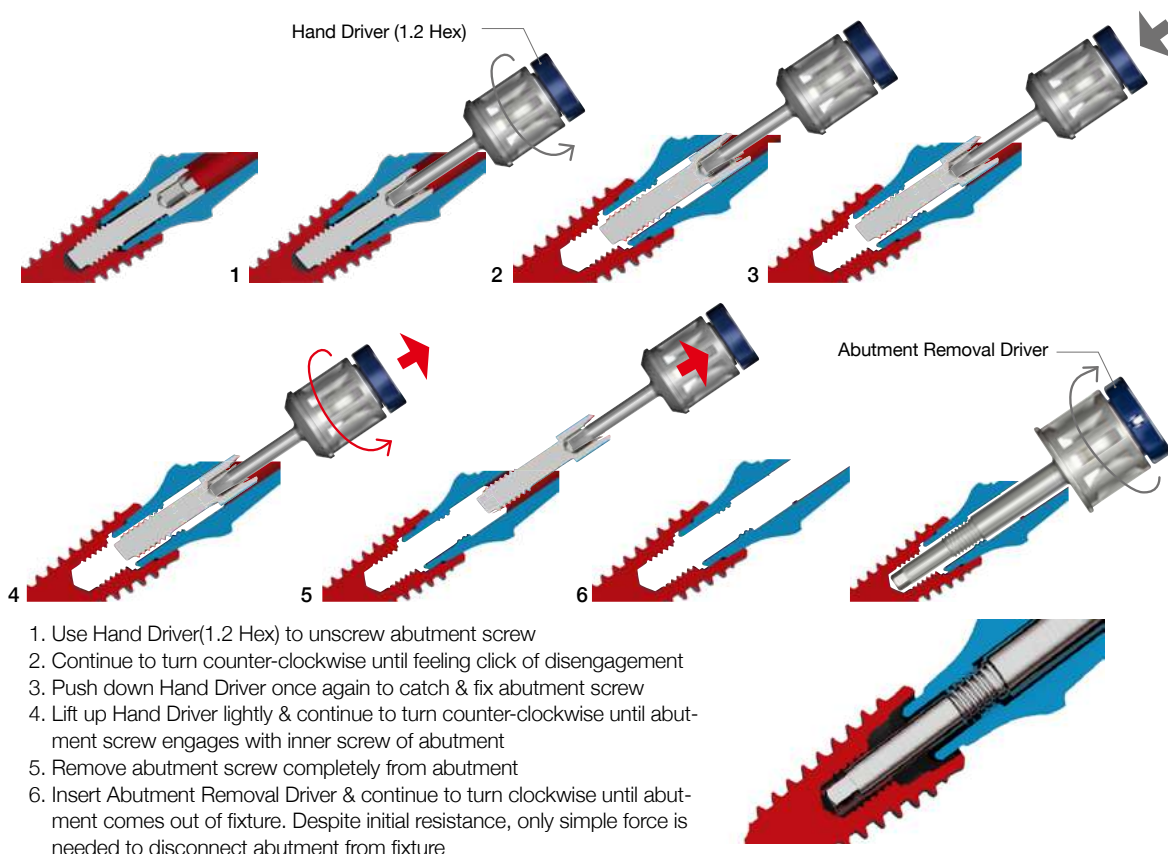
- For removing inner lip of cast after casting burn-out cylinders of solid abutment
- Center pins have 4 diameters according to profile diameter of solid abutment

| Diameter | Type         | Ref.C    |
|----------|--------------|----------|
| Ø10.0    | Reamer Drill | TANRD    |
| Ø4.0     | Center Pin   | TANRDJ40 |
| Ø4.5     |              | TANRDJ50 |
| Ø5.5     |              | TANRDJ60 |
| Ø6.5     |              | TANRDJ70 |



## Removal Driver

| Length(mm) | Type | Ref.C    |
|------------|------|----------|
| 21         | M1.6 | ARORDS16 |

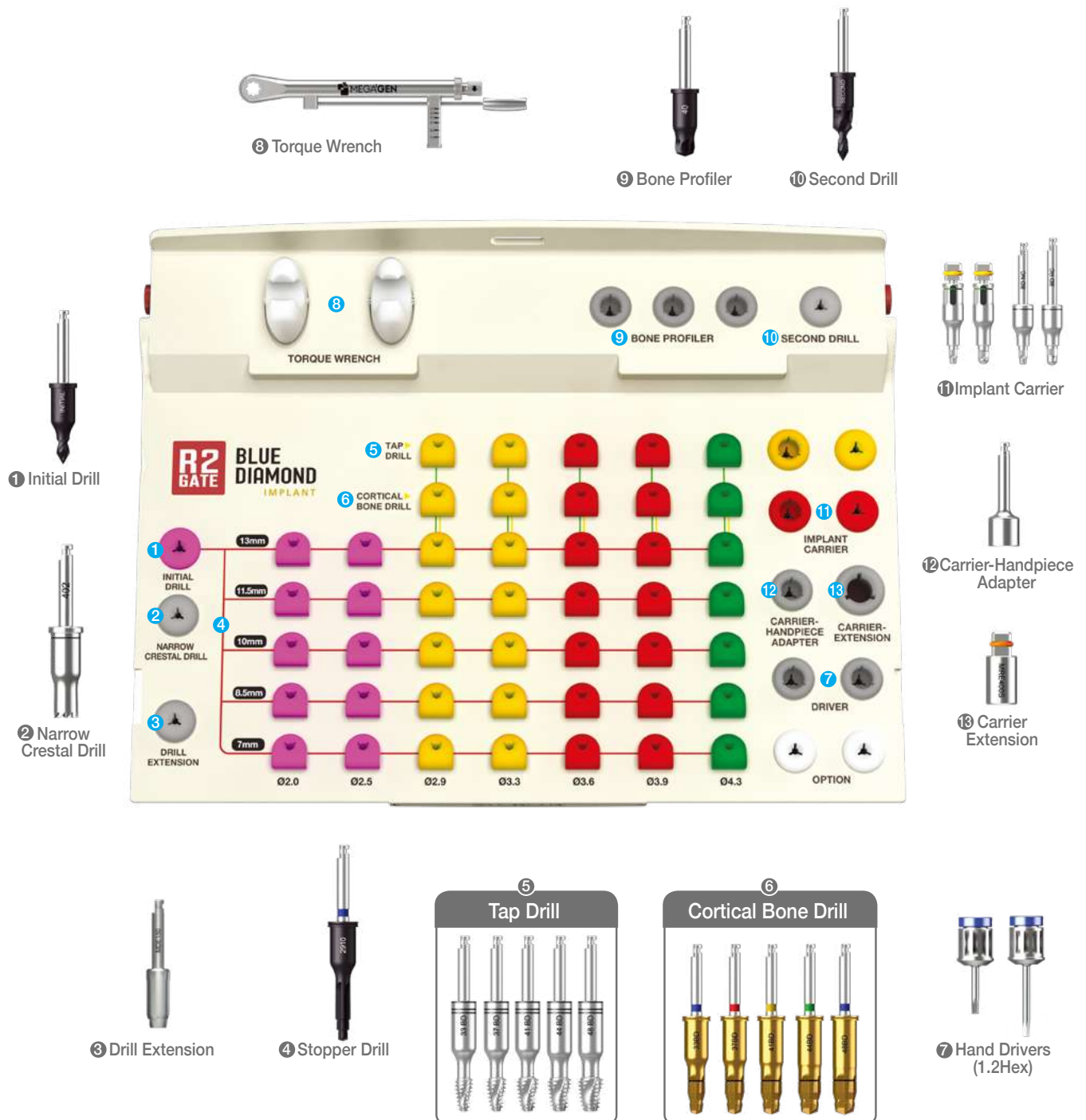


# BLUEDIAMOND R2 GUIDE Kit

Contains all drills & components required for Digital Guided Surgery using BLUEDIAMOND R2 GUIDE following diagnosis using R2GATE Software  
Minimally invasive surgery can achieve same results, while minimizing surgical errors

Ref.C

KAGIN3002



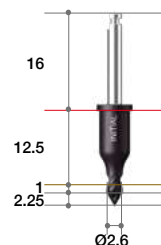
## ➡ Component for BLUEDIAMOND R2 GUIDE Kit



### Initial Drill

- Use for marking drilling position on bone
- Start drilling slowly after drill guide part is fully inserted into drilling core of R2GATE GUIDE™.
- Recommended drilling speed: 300 ~ 800 RPM with copious irrigation

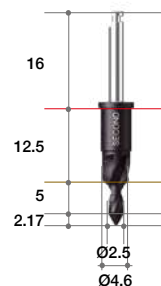
| Diameter | Guide Diameter | Length(mm) | Ref.C    |
|----------|----------------|------------|----------|
| Ø2.6     | Ø5.0           | 1.0        | R2ID2601 |



### Second Drill

- Unique step – drilling (from Ø2.0 to Ø4.6) is used to flare out upper cortical bone of osteotomy
- This helps with rest of drilling procedure & abutment connection
- With hard bone, if 2nd drilling is disturbed by thick cortical bone, stop & try again before fixture placement
- Recommended drilling speed: 300 ~ 800 RPM with copious irrigation

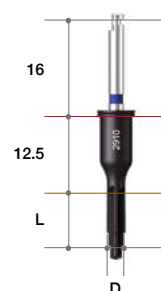
| Diameter | Guide Diameter | Length(mm) | Ref.C    |
|----------|----------------|------------|----------|
| Ø2.5     | Ø5.0           | 5.0        | R2SD2505 |



### Stopper Drill

- Drill lengths: 7.0, 8.5, 10, 11.5, 13mm appropriate for most implant lengths
- Recommended drilling speed: 800 ~ 1200 RPM with copious irrigation.

| Diameter | Guide Diameter | Length(mm) | Ref.C    |
|----------|----------------|------------|----------|
| Ø2.0     | Ø5.0           | 6.5        | R2SD2007 |
|          |                | 8          | R2SD2008 |
|          |                | 9.5        | R2SD2010 |
|          |                | 11         | R2SD2011 |
|          |                | 12.5       | R2SD2013 |
| Ø2.5     |                | 6.5        | R2SD2507 |
|          |                | 8          | R2SD2508 |
|          |                | 9.5        | R2SD2510 |
|          |                | 11         | R2SD2511 |
|          |                | 12.5       | R2SD2513 |
| Ø2.9     |                | 7          | R2UD2907 |
|          |                | 8          | R2UD2908 |
|          |                | 9.5        | R2UD2910 |
|          |                | 11         | R2UD2911 |
|          |                | 12.5       | R2UD2913 |
| Ø3.3     |                | 7          | R2UD3307 |
|          |                | 8          | R2UD3308 |
|          |                | 9.5        | R2UD3310 |
|          |                | 11         | R2UD3311 |
|          |                | 12.5       | R2UD3313 |
| Ø3.6     | 7              | R2UD3607   |          |
|          | 8              | R2UD3608   |          |
|          | 9.5            | R2UD3610   |          |
|          | 11             | R2UD3611   |          |
|          | 12.5           | R2UD3613   |          |
| Ø3.9     | 7              | R2UD3907   |          |
|          | 8              | R2UD3908   |          |
|          | 9.5            | R2UD3910   |          |
|          | 11             | R2UD3911   |          |
|          | 12.5           | R2UD3913   |          |
| Ø4.3     | 7              | R2UD4307   |          |
|          | 8              | R2UD4308   |          |
|          | 9.5            | R2UD4310   |          |
|          | 11             | R2UD4311   |          |
|          | 12.5           | R2UD4313   |          |



### Bone Profiler

- Recommended drilling speed: 300 ~ 800 RPM

| Diameter | Guide Diameter | Ref.C  |
|----------|----------------|--------|
| Ø4.0     | Ø5.0           | AGBP40 |
| Ø5.0     |                | AGBP50 |
| Ø6.0     | Ø6.5           | AGBP60 |

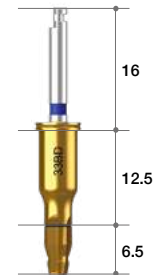


## ➔ Component for BLUEDIAMOND R2 GUIDE Kit

### Cortical Bone Drill

- Recommended drilling speed : 300 ~ 800 RPM

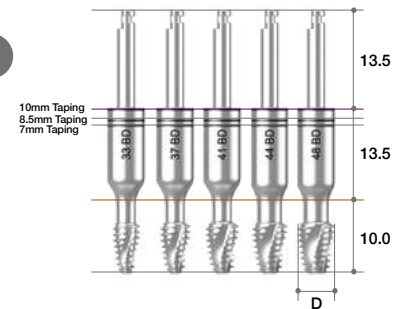
| Diameter | Guide Diameter | Length(mm) | Ref.C    |
|----------|----------------|------------|----------|
| Ø3.6     | Ø5.0           | 6.5        | R2BDCD33 |
| Ø4.0     |                |            | R2BDCD37 |
| Ø4.4     |                |            | R2BDCD41 |
| Ø4.7     |                |            | R2BDCD44 |
| Ø4.95    |                |            | R2BDCD48 |



### Tap Drills

- For insertion test before placing fixture
- To avoid enlarging osteotomy, select tap drill one-size smaller than osteotomy
- Recommended insertion torque & speed: 45 ~ 50Ncm, under 15 RPM.

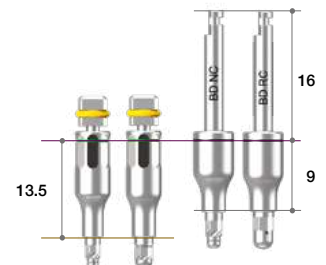
| Diameter | Guide Diameter | Length(mm) | Ref.C     |
|----------|----------------|------------|-----------|
| Ø3.6     | Ø5.0           | 9.5        | R2TD33ARO |
| Ø4.0     |                |            | R2TD37ARO |
| Ø4.4     |                |            | R2TD41ARO |
| Ø4.7     |                |            | R2TD44ARO |
| Ø5.0     |                |            | R2TD48ARO |



### Implant Carrier

- Use to pick-up fixture from ampule, then insert into osteotomy socket & rotate clockwise 2-3 times by hand
- To tighten fixture, use Handpiece Adapter & Handpiece (Surgery Engine) (Ratchet Type)
- Recommended insertion torque: 45~50Ncm

| Connection | Guide Diameter | Type      | Ref.C     |
|------------|----------------|-----------|-----------|
| NC         | Ø5.0           | Ratchet   | ICRO2127  |
| RC         |                |           | ICRO2530  |
| NC         | Ø5.0           | Handpiece | ICRO2127H |
| RC         |                |           | ICRO2530H |
| RC         | Ø6.5           | Ratchet   | ICWO2530  |
|            |                | Handpiece | ICWO2530H |



### Carrier-Handpiece Adapter

- Use with handpiece for implant placement following initial delivery of fixture using implant carrier

| Square | Ref.C |
|--------|-------|
| 4.0    | AGHA  |



### Carrier Extension

- Extends length of implant carrier

| Square | Ref.C   |
|--------|---------|
| 4.0    | MRE400S |



### Drill Extension

- Extends drills & other handpiece instruments
- Recommended torque: <35Ncm
- Can be distorted with excessive force

| Ref.C  |
|--------|
| MDE150 |

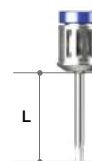


## Hand Driver (1.2 Hex)

- For use with all cover screws, abutment screws & healing abutments
- 4 lengths for added convenience
- Directly insert into Torque Wrench without adaptor
- Hex tip can withstand 35-45Ncm of torque without distorting

| Length(mm) | Type        | Ref.C       |
|------------|-------------|-------------|
| 5          | Ultra-short | *TCMHDU1200 |
| 10         | Short       | TCMHDS1200  |
| 15         | Long        | TCMHDL1200  |
| 20         | Extra-long  | *TCMHDE1200 |
| 30         | Extra-long  | *TCMHDE1230 |

(\*) Separate sales item



## Torque Wrench (Ratchet type)

- Use for implant placement & final tightening of abutment screw
- Torque range: 15Ncm to 70Ncm

| Type          | Ref.C  |
|---------------|--------|
| Torque Wrench | TWSQ70 |

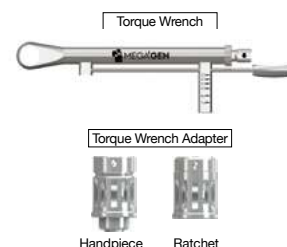


## Torque Wrench & Adapter

- Use for implant placement & final tightening of abutment screw
- Torque range: 15Ncm to 70Ncm

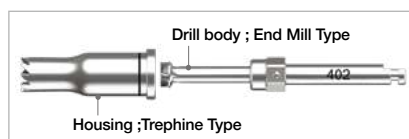
| Type                              | Ref.C    |
|-----------------------------------|----------|
| Torque Wrench (~70Ncm)            | *TW70    |
| Torque Wrench (~45Ncm)            | *MTW300A |
| Torque Wrench Adapter (Handpiece) | *TTA100  |
| Torque Wrench Adapter (Ratchet)   | *TTAR100 |

(\*) Separate sales item

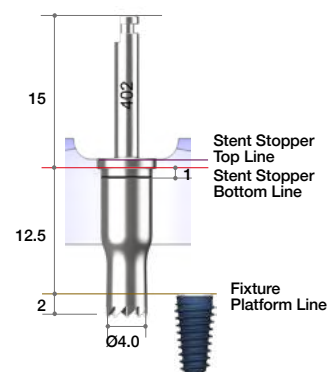


## Narrow Crest Drill

- Use for angled fixture placement or to flatten bone surface of narrow ridge to prevent slipping during drilling
- Use to harvest autogenous bone if used after soft tissue
- 2-piece design: drill body & housing
- Disassemble to remove bone chips & for easy cleaning



| Diameter | Guide Diameter | Length(mm)   | Ref.C  |
|----------|----------------|--------------|--------|
| Ø4.0     | Ø5.0           | 15.5(12.5/2) | NCD402 |



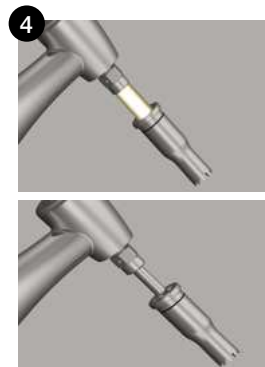
Set site by drilling counter-clockwise at low speed ( $\leq 100\text{rpm}$ )



Start drilling clockwise (400~600rpm)



Once bone is flat, proceed with drilling sequence



Disassemble body and housing after drilling to remove bone chip. Clean and sterilize after every usage.

# Anchor Kit

In edentulous or free-end cases, R2 GUIDE™ is fixed using specially designed Anchor Pins

| System      | Ref.C     |
|-------------|-----------|
| BLUEDIAMOND | KAGAS3002 |



## Required Accessory Kit

For fixing complete edentulous R2 GUIDE

### Anchor Pin:

Combine the R2 GUIDE & Putty Bite, place them in the patient's mouth, and ask the patient bite strongly. Insert an Anchor Pin into each anchor hole in the R2 GUIDE and tighten them using a screwdriver. In the case of hard bone, drill lightly with a 2.0 x 13.0mm drill for better fixation

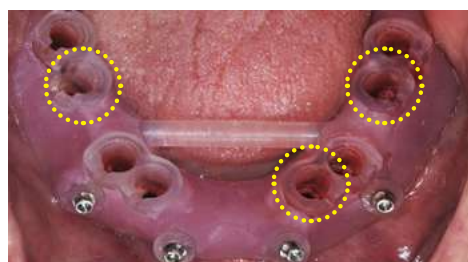


[Anchor Pin]

### Stent Anchor :

With a complete edentulous guide, a triangular placement of implants & stent anchors is recommended for more stability, as shown.

R2GATE provides 2 guides & stent anchors, so both guides can stay fixed when placing regular & wide implants into an edentulous jaw.



[Stent Anchor]

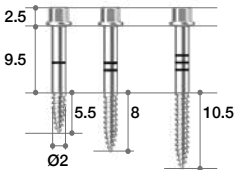
➡ Components for Anchor Kit



Anchor Pins

- Distinguish length by number of line markings
- Connect via Torx Tip

| Diameter | Length(mm) | Marking Line | Ref.C      |
|----------|------------|--------------|------------|
| Ø2.0     | 5.5        | 1            | TCMACP2015 |
|          | 8.0        | 2            | TCMACP2018 |
|          | 10.5       | 3            | TCMACP2020 |

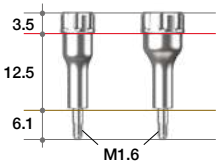


Stent Anchors

- Connect by hand or using Hand Driver

| Thread | Guide Diameter | Ref.C     |
|--------|----------------|-----------|
| M1.6   | Ø5.0           | AGSANR16  |
|        | Ø5.0           | AGSARR16  |
|        | Ø6.5           | *AGSARW16 |

(\*) Separate sales item



Torx Tip

| Length(mm) | Ref.C  |
|------------|--------|
| 80         | AGTT80 |



Tip Driver

| Ref.C |
|-------|
| TD    |





A CUT ABOVE THE REST

# BLUEDIAMOND

IMPLANT



Rev. 04



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