adentta

For Lifetime Smiles

MEGAGEN

provides reliable, precise, and long-term solutions for every clinical case with its AnyRidge, BlueDiamond, Anyone, ST, and Mini implant systems.



MEGA'GEN
For Lifetime Smiles

ANYRIDGE BLUEDIAMOND ANYONE ST MiNi

World-class Any

World 's first
core & thread technology

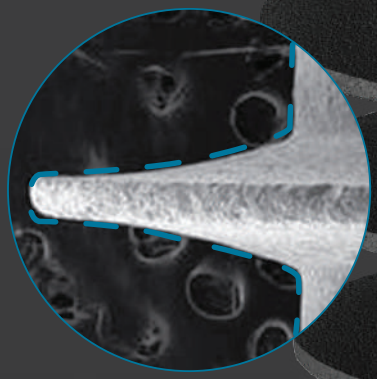
Core : long-term force resistant
Thread : high initial stability

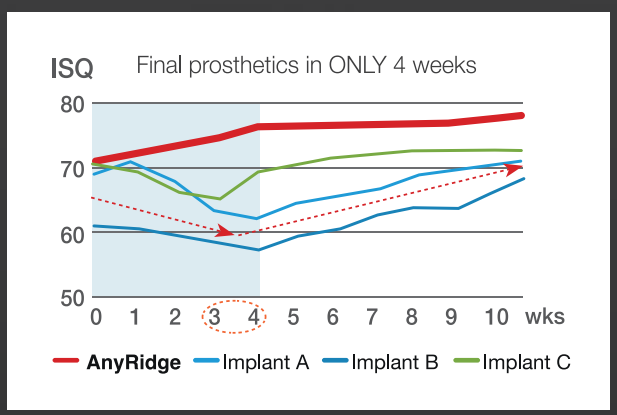
Various core sizes and thread depths ensure both long-term mechanical stability for all teeth and high initial stability even in loose(D4) bone.

World-first
KnifeThread®

Guarantees sustained implant stability

- Stable stress dispersion due to buttress thread shape
- Easier insertion without cutting edge due to thread shape
- Increased surface area due to round-faced design



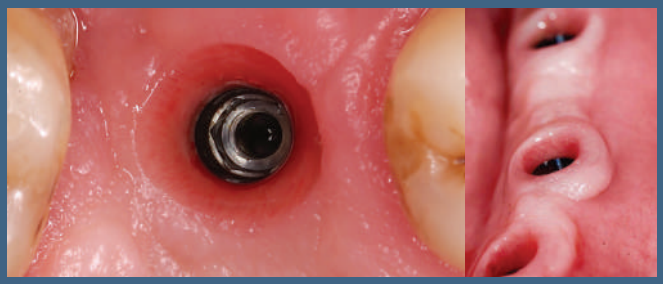


Ridge

premium choice
among clinicians
worldwide

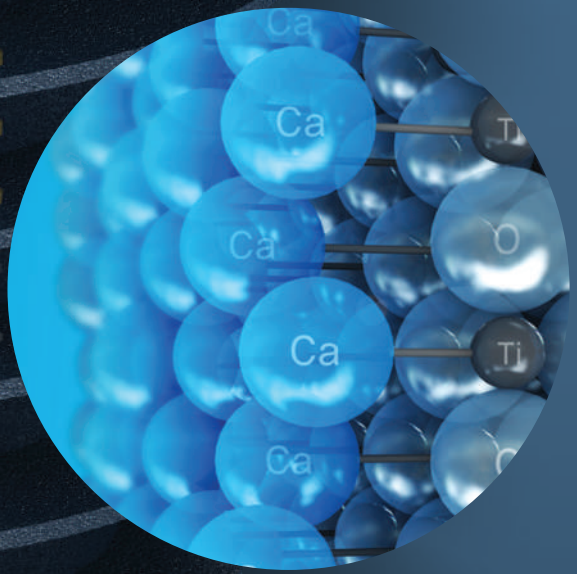
Double offset best for soft tissue

S-line: for better soft tissue thickness
Threadless: for better preservation of cortical bone / wider fixture in narrow crest



Magic 5° for minimal biologic width & NO screw loosening

No screw loosening reported over last 10 years!



XPEED®
S-L-A with nano Ca^{2+} incorporation

Clinically-proven safety
Faster & stronger osseointegration

World-first Core & Thread Technology

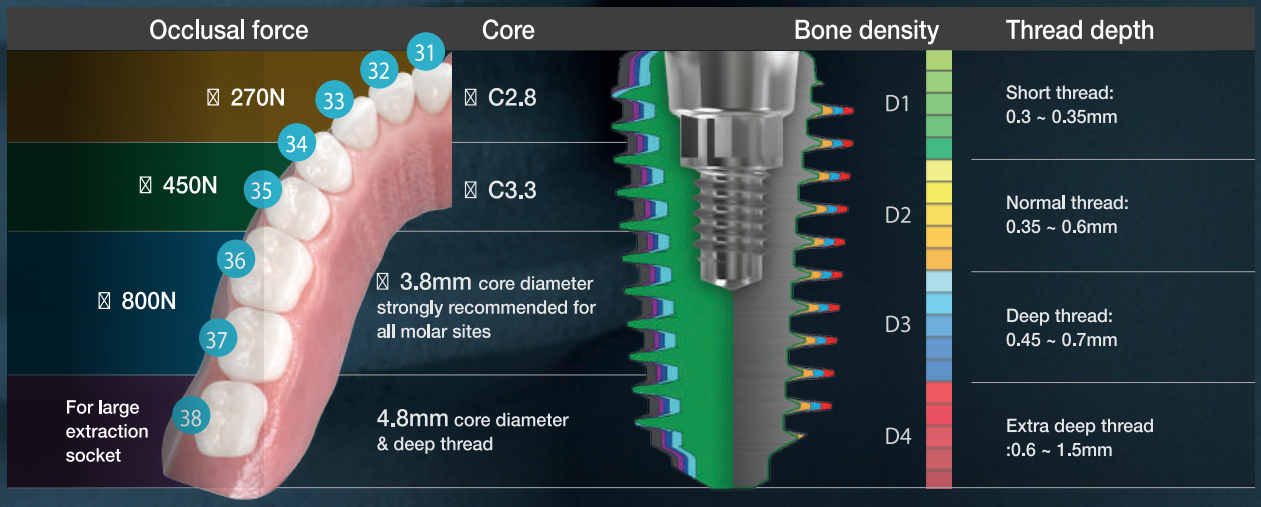
Consistently opening new chapters in implant history, MegaGen is realising the clinical utility of One-Day implants by focusing on the separate functions of the implant core and thread!

- **CORE** provides long-term resistance to external forces, such as occlusal pressure.
- **THREAD** controls & improves initial stability according to bone density.

In the right combination, the core and threads can realise a One-Day implant

· CORE for force resistance

· THREAD for initial stability

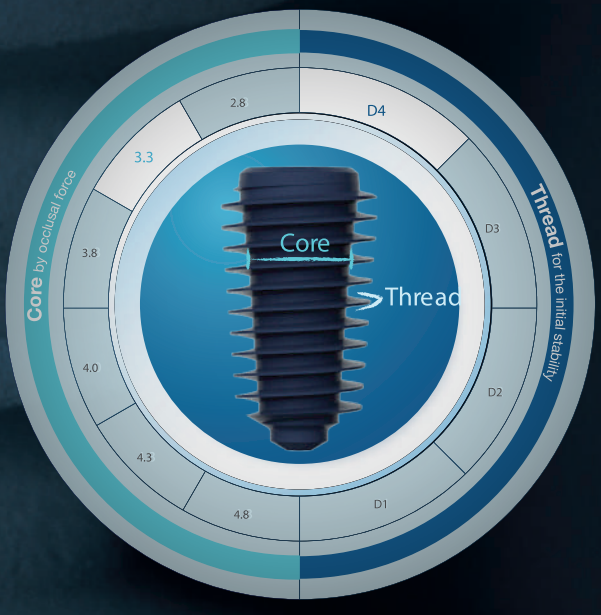


Various core sizes and thread depths ensure both long-term mechanical stability & high initial stability

Various core sizes can meet required stability for incisors to molars with same fixture size

Fixture diameter Ø5.5

Core	
33	5511
38	5511
40	5511
43	5511
48	5511



· Tooth position: #35
· Depth: 12mm
· Bone density: D4
· Fixture selection: (Ø3.3)5511

Various thread depths for D1-D4 with same core, regardless of bone quality

→ Same BIC
→ Same high initial stability
= Same start for prosthetics

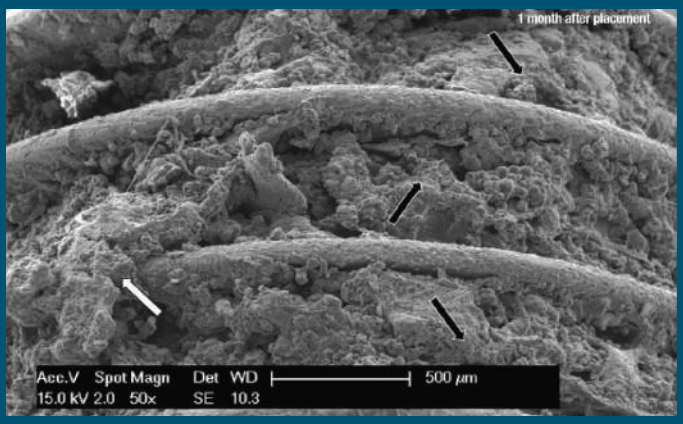
Core diameter Ø3.3

D1	33	40	11
D2	33	45	11
D3	33	50	11
D4	33	55	11

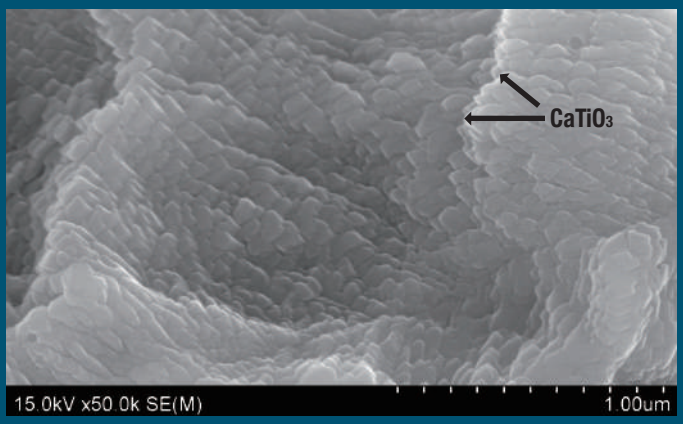
Fixture diameter
(Fix.D-Cor.D)/2
=Thread depth

XPEED® is MegaGen's unique surface treatment Pure grade 4 titanium implants are treated with S-L-A, followed by a special process that incorporates calcium ions to create $CaTiO_3$ nanostructures that activate osteoblasts.

Over 13 years of clinical evidence continue to prove excellent, rapid, & long-lasting osseointegration.

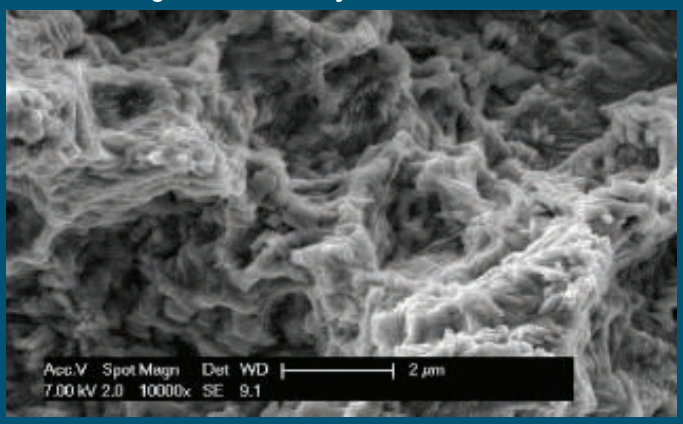


Histological studies in animals & humans consistently show rapid bone cell proliferation & long-term stability thanks to XPEED®'s unique properties.



$CaTiO_3$ nanostructures that activate osteoblasts are incorporated across all fixture surfaces.

Blue surface guarantees safety



100% acid-residue-free surface

XPEED® process neutralizes any potential acid residue on S-L-A surface and is visible indication of cleanliness.

Homogenous roughness value of Ra 1.8 ~ 2.5 μm over whole fixture guarantees more uniform bone growth.

XPEED®

S-L-A with nano Ca^{2+} incorporation

TRUSTED QUALITY 2017-2023 CLEAN IMPLANT MegaGen - AnyRidge

Be confident, you are using a CLEAN IMPLANT!

TRUSTED QUALITY Award 2017-2023
From the CLEAN IMPLANT FOUNDATION

Strong prosthetic connection - Magic 5°

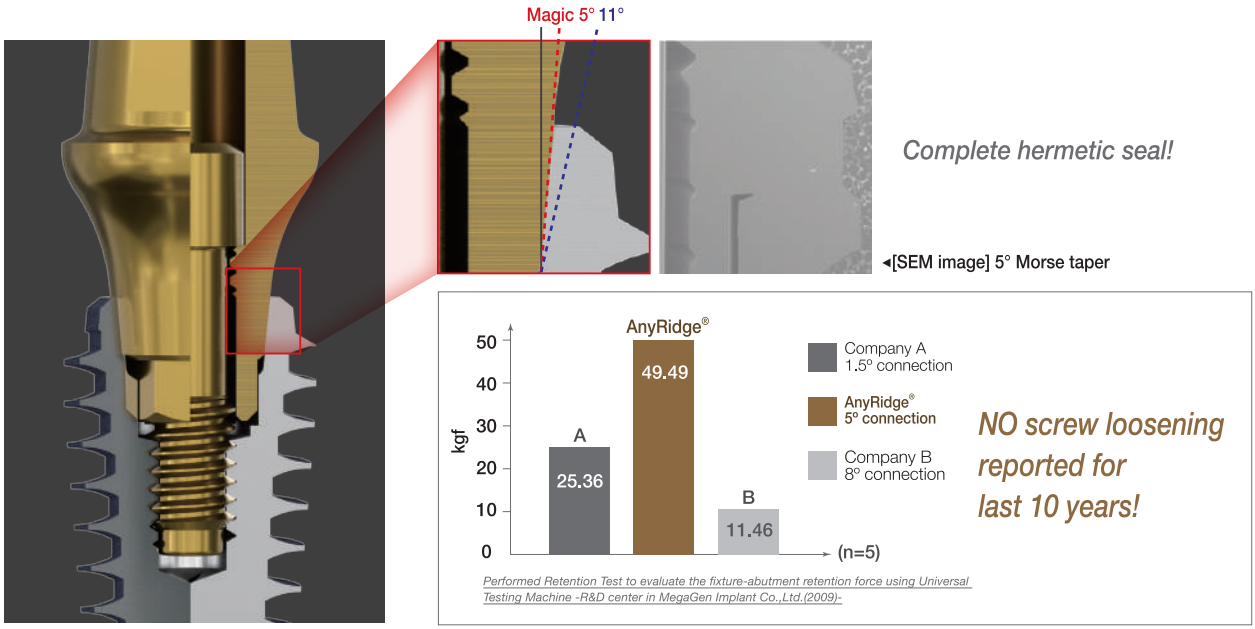
Guarantees minimal biologic width & NO screw loosening

The ‘connection’ is important for the biologic width and prosthetic stability. Most internal connection systems experience sinking due to occlusal force, which then causes screw loosening. However, AnyRidge guarantees NO screw loosening due to its revolutionary strong 5° Morse taper & internal hex.

NO screw loosening, minimal biologic width!

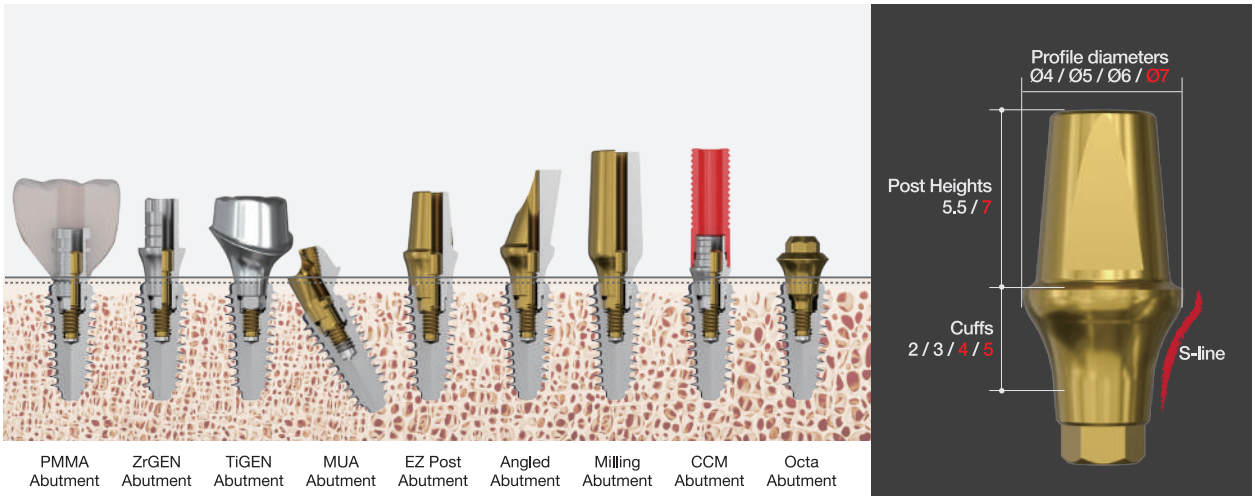
Magic Five (5° internal connection)

No more screw loosening with AnyRidge’s unique connection (5° Morse taper), which gives a perfect hermetic sealing. The biologic width is also minimized as there is no micro gap, plus the crestal bone health is well maintained.



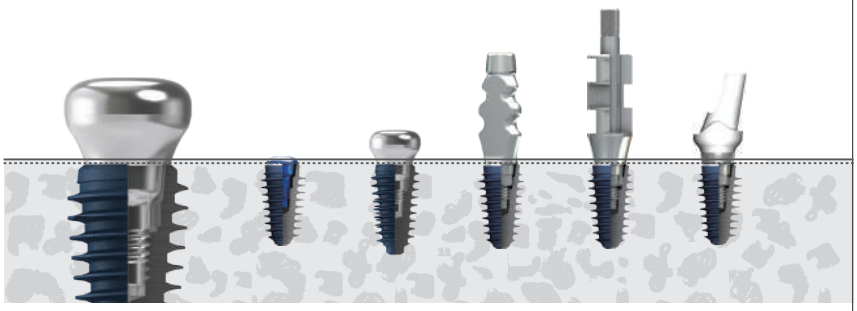
All indications, various abutment options

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



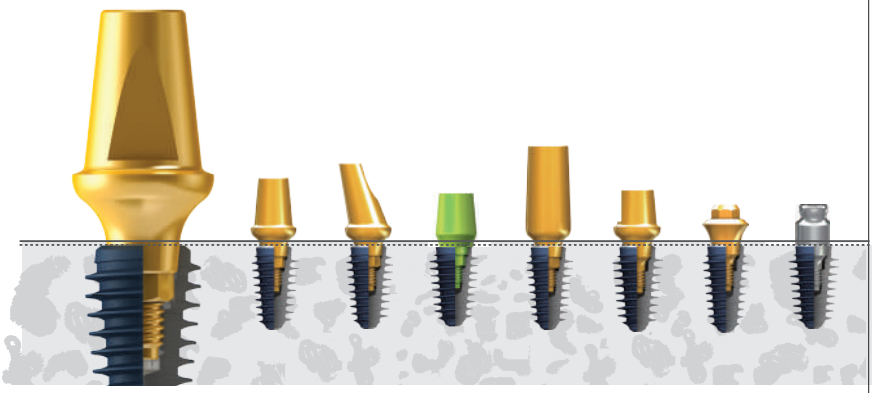
▸▸ Two different fixture/component connections

1. All transitional & temporary components have bottom 'ledges'



- All cover screws, healing abutments, impression copings (transfer & pick-up types), temporary cylinders have bottom ledges to prevent cold welding with the fixture.
- Hand drivers(1.2 Hex) or impression drivers can be used to screw these components in and out.

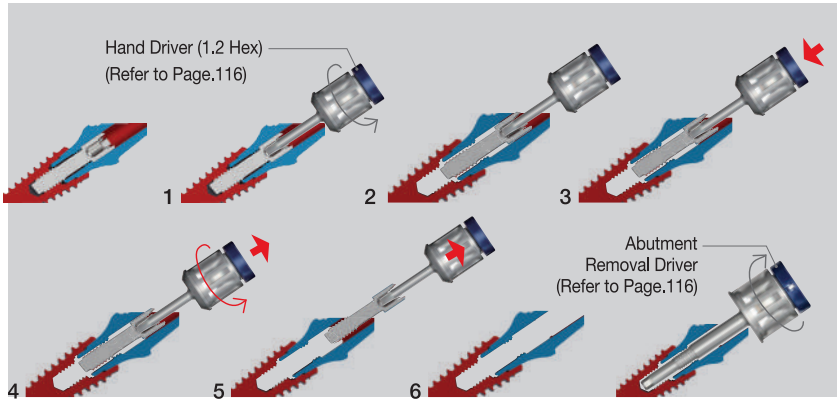
2. All permanent abutments make strong connections with fixtures, even with finger force!



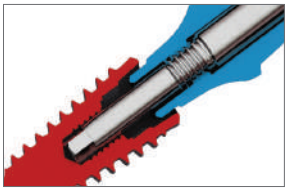
- 25~35Ncm is recommended to connect a permanent abutment into a fixture.
- Perfect cold welding means a permanent abutment cannot be removed with finger force, even after complete removal of the abutment screw. A permanent abutment can only be removed using an Abutment Removal Driver.

Removal of permanent abutment from fixture..

The extremely strong connection force means NO screw loosening. Use the special 'Abutment Removal Driver' to remove a permanent abutment from a fixture.

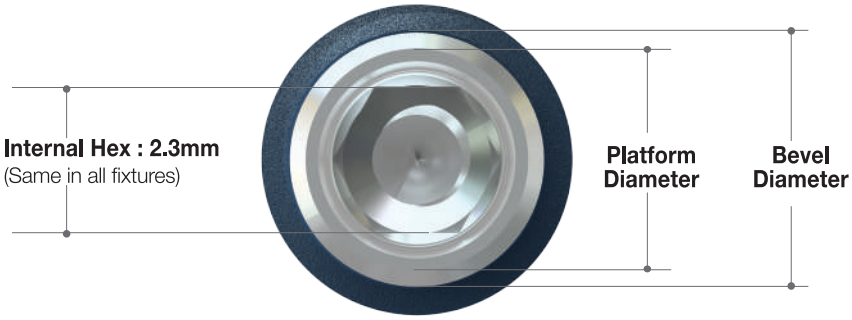


1. Use the Hand Driver(1.2 Hex) to unscrew the abutment screw.
2. Continue to turn counter-clockwisely until you feel a click of disengagement.
3. Push down on the Hand Driver once again to catch and fix the abutment screw.
4. Lift the Hand Driver gently and continue to turn counter-clockwisely until the abutment screw engages with the inner screw of the abutment.
5. Remove the abutment screw completely from the abutment.
6. Insert the 'Abutment Removal Driver' and continue to turn clockwise until the abutment is released from fixture. You may feel some resistance when turning the Abutment Removal Driver, but don't worry, some exertion is needed to disconnect the abutment from the fixture.

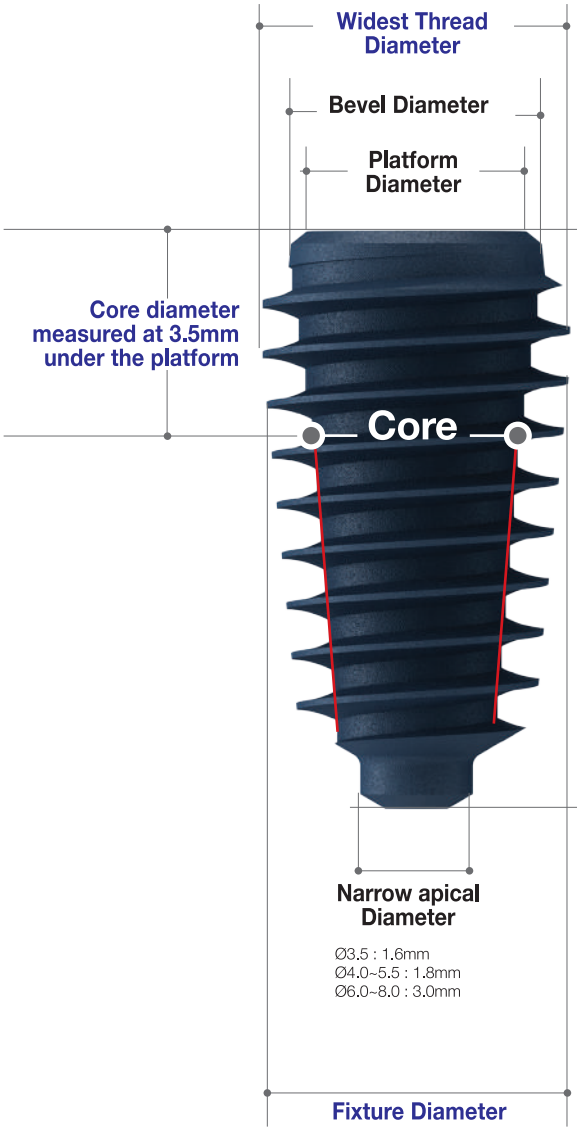


Fixture Product & Packaging

Fixture Dimension



Core (mm)	Platform (mm)	Bevel (mm)
Ø2.8	3.5	3.8
Ø3.3	3.5	4.0
Ø3.8	4.0	4.5
Ø4.0	4.25	4.75
Ø4.3	4.5	5.0
Ø4.8	5.0	5.5



Widest thread diameter is
0.5mm wider than fixture size at 3.5mm
0.4mm wider than fixture size at 4.0~8.0mm

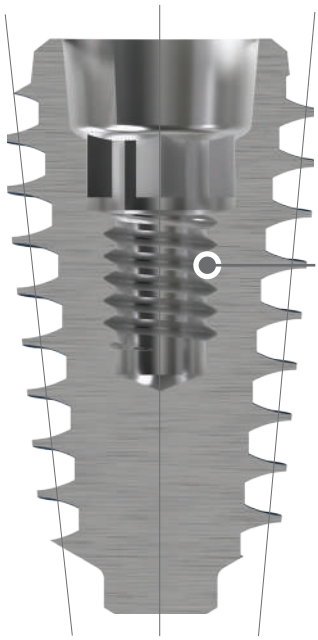
*For example
Ø3.5 = Fixture diameter + 0.5mm
Ø4.0~Ø8.0 = Fixture diameter + 0.4mm

Length

*Actual length of fixture
Core Ø3.3~4.3 fixture : 0.8mm shorter than the written length
Core Ø4.8 fixture : 0.6mm shorter than the written length

Important concept!

It has been proven that 0.5~1.0mm subcrestal placement shows better crestal bone response.
With AnyRigde system, a fixture goes down to the ideal position without further drilling avoiding damage to important anatomic structures.



Female screw
1.8mm diameter X
0.35mm pitch



[SEM image]

Small Ø3.5

- Cover Screw included.

- Availability of 7mm product is subject to local approval.

Fixture Diameter	Core Diameter	Length (mm)	Ref.C
Ø3.5	Ø2.8	7	FANIHX3507C
		8.5	FANIHX3508C
		10	FANIHX3510C
		11.5	FANIHX3511C
		13	FANIHX3513C
		15	FANIHX3515C



Regular Ø4.0

- Cover Screw included.

- Availability of 7mm product is subject to local approval.

Fixture Diameter	Core Diameter	Length (mm)	Ref.C
Ø4.0	Ø3.3	7	FANIHX4007C
		8.5	FANIHX4008C
		10	FANIHX4010C
		11.5	FANIHX4011C
		13	FANIHX4013C
		15	FANIHX4015C

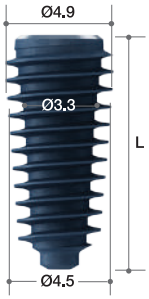


Regular Ø4.5

- Cover Screw included.

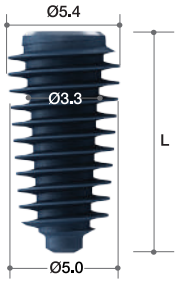
- Availability of 7mm product is subject to local approval.

Fixture Diameter	Core Diameter	Length (mm)	Ref.C
Ø4.5	Ø3.3	7	FANIHX4507C
		8.5	FANIHX4508C
		10	FANIHX4510C
		11.5	FANIHX4511C
		13	FANIHX4513C
		15	FANIHX4515C
	Ø3.8	7	AR384507C
		8.5	AR384508C
		10	AR384510C
		11.5	AR384511C
		13	AR384513C
		15	AR384515C



Wide Ø5.0

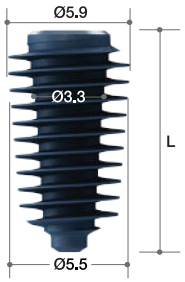
- Cover Screw included.



Fixture Diameter	Core Diameter	Length (mm)	Ref.C
Ø5.0	Ø3.3	7	FANIHX5007C
		8.5	FANIHX5008C
		10	FANIHX5010C
		11.5	FANIHX5011C
		13	FANIHX5013C
		15	FANIHX5015C
	Ø3.8	7	AR385007C
		8.5	AR385008C
		10	AR385010C
		11.5	AR385011C
		13	AR385013C
		15	AR385015C

Wide Ø5.5

- Cover Screw included.

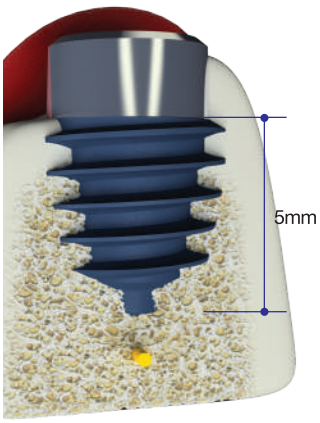


Fixture Diameter	Core Diameter	Length (mm)	Ref.C
Ø5.5	Ø3.3	7	FANIHX5507C
		8.5	FANIHX5508C
		10	FANIHX5510C
		11.5	FANIHX5511C
		13	FANIHX5513C
		15	FANIHX5515C
	Ø3.8	7	AR385507C
		8.5	AR385508C
		10	AR385510C
		11.5	AR385511C
		13	AR385513C
		15	AR385515C

Short Implant

- Cover Screw included

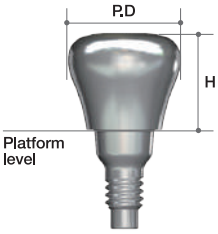
Fixture Diameter	Core Diameter	Length (mm)	Ref.C
Ø3.5	3.3	5	AR333505C
Ø4.0	3.3		AR334005C
Ø4.5	3.3		AR334505C
	3.8		AR384505C
Ø5.0	3.3		AR335005C
	3.8		AR385005C
	4.3		AR435005C
Ø5.5	3.3		AR335505C
	3.8		AR385505C
	4.3		AR435505C
	4.8		AR485505C



Cover Screw & Healing Abutment

Healing Abutment

- Use with a Hand Driver(1.2 Hex).
- Used for non-submerged type surgery or for two stage surgery.
- Choose appropriate diameter and height of Healing Abutment according to situation.
- Helps to form suitable emergence profile during period of gingival healing.
- Recommend torque : by hand (5 - 8Ncm)



Profile Diameter	Height (mm)	Ref.C
Ø4.0	3	AANHAF0403
	4	AANHAF0404
	5	AANHAF0405
	6	AANHAF0406
	7	AANHAF0407
	8	AANHAF0408
	9	AANHAF0409
Ø5.0	3	AANHAF0503
	4	AANHAF0504
	5	AANHAF0505
	6	AANHAF0506
	7	AANHAF0507
	8	AANHAF0508
	9	AANHAF0509
Ø6.0	3	AANHAF0603
	4	AANHAF0604
	5	AANHAF0605
	6	AANHAF0606
	7	AANHAF0607
	8	AANHAF0608
	9	AANHAF0609

All in one package

(Anatomic type)



Height (mm)	Connection	Ref.C
4	Hex	C-AHAR04HP
	Non-Hex	C-AHAR04NP
5	Hex	C-AHAR05HP
	Non-Hex	C-AHAR05NP
7	Hex	C-AHAR07HP
	Non-Hex	C-AHAR07NP

Healing Abutment

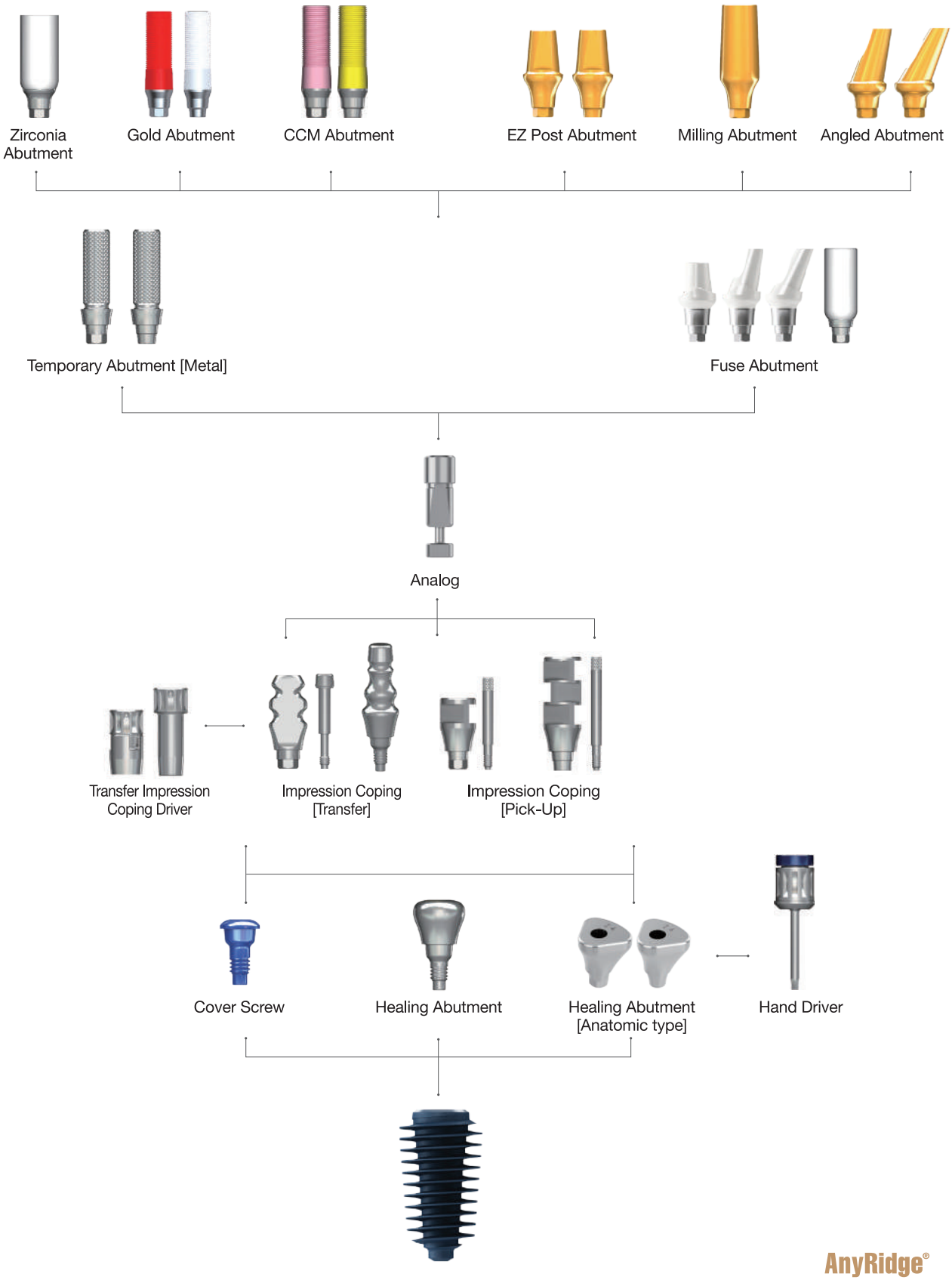
(Anatomic type)

- Use with a Hand Driver(1.2 Hex).
- Abutment Screw inclued.H=4 ARHAS1804/ H=5 ARHAS1805/ H=7 ARHAS1807
- Used for non-submerged type surgery or for two stage surgery.
- Choose appropriate diameter and height of Healing Abutment according to situation.
- Helps to form suitable emergence profile during period of gingival healing.
- Recommend torque : by hand (5 - 8Ncm)





Abutment & Prosthetic Options



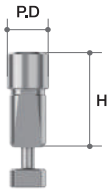
Analog

- Analog Screw(ALS18) included.

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



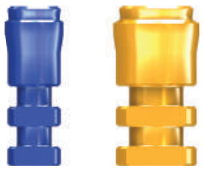
System	Profile Diameter	Height (mm)	Ref.C
AnyRidge	Ø4.0	9	ARIALT
MUA Level (N-Type)	Ø4.8	9	MUAALT



Lab Analog

- Blue : use Bevel type
- Yellow : use Platform type

Profile Diameter	Color	Ref.C
Ø4.0 ~ Ø5.5	Blue	AANLAF4055
Ø6.0 ~ Ø8.0	Yellow	AALLAF6080



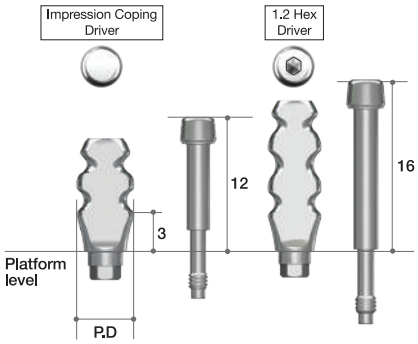
Impression Coping

(2-Piece, Transfer Type)
(For Closed-Tray Technique)

- Guide Pins : AANGPT/AANGPT12H/AANGPT16/ AANGPT16H)

- Streamlined shape ; easy to transfer.
- Anti-rotation grooves match with hex structure of fixtures.
- Should be tightened with Impression Driver (Page.394)
- Impression Coping Driver and Hand Driver(1.2Hex) should be used to ensure Impression Coping is properly tightened.

Profile Diameter	Height (mm)	Type	Ref.C
Ø4.0	12	2-Piece Hand driver (1.2 Hex)	AANITH4012HT
	16		AANITH4016HT
Ø5.0	12		AANITH5012HT
	16		AANITH5016HT



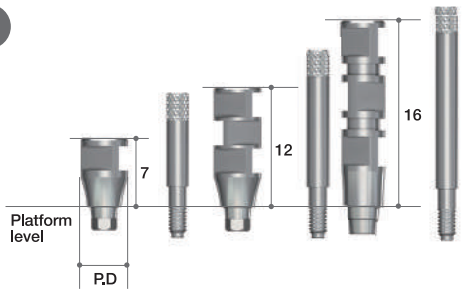
Impression Coping

(2-piece, Pick-up Type)
(For Open-tray Technique)

- Guide Pins : AANGPP0010 (7mm : Short)
  AANGPP0015 (12mm : Long)
  AANGPP0020 (20mm : Extra-long)

- Square structure ; strong anti - rotation function.
- Designed for easy and accurate pick-up impression.
- Extra-long guide pin can be purchased separately.

Profile Diameter	Height (mm)	Type	Ref.C
Ø4.0	7	Hex	AANIPH4007T
	12		AANIPH4012T
	16		AANIPH4016T
Ø5.0	7	Hex	AANIPH5007T
	12		AANIPH5012T
Ø6.0	7	Hex	AANIPH6007T
	12		AANIPH6012T



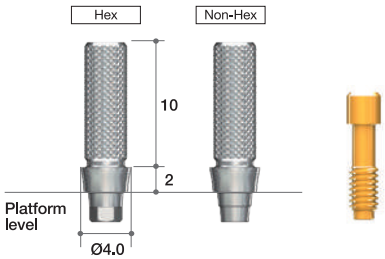
Temporary Abutment

(Titanium)

- Multi Post Screw(AANMSF) included.

- For making provisional restoration.
- Grooved on the post allows strong resin adherence.
- Recommend torque : 25Ncm

Profile Diameter	Cuff Height (mm)	Type	Ref.C
Ø4.0	2	Hex	AANTMH4012T
		Non-Hex	AANTMN4012T



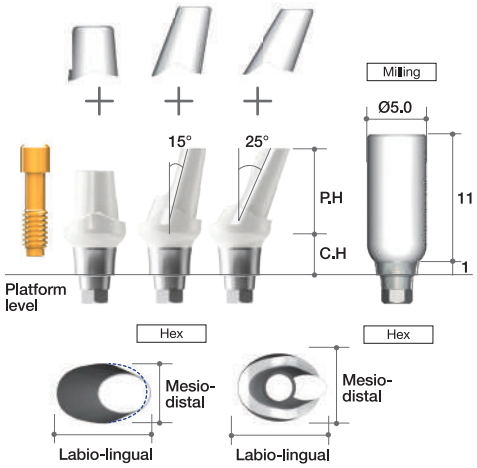
Fuse Abutment

- Straight, 15°, 25° ; Multi Post Screw(AANMSF) included + Fuse Cap included.
- Milling ; Multi Post Screw(AANMSF) included.

• Recommend torque : 25Ncm

Diameter Labio-lingual	Diameter Mesio-distal	C.H (mm)	P.H (mm)	Type	Ref.C
Ø5.5	Ø5.5	4	5.5	Straight	AFAP5545P
	Ø4.5		7	15°	AFAA5415P
				25°	AFAA5425P
Ø5.0		1	11	Milling	AANTAH5012T

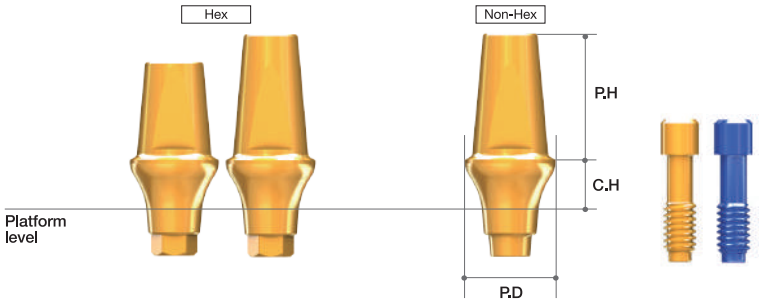
NEW : 4mm cuff height available
→ Adequate for deeply placed implants or thick gingival cases



EZ Post Abutment

- Multi Post Screw(AANMSF/AANMST) included.

- Use with a Hand Driver (1.2 Hex).
- Esthetic gold coloring.
- Two different post heights. (5.5, 7.0mm)
- Four different profile diameters. (Ø4.0, 5.0, 6.0, 7.0)
- Four different cuff heights. (2.0, 3.0, 4.0, 5.0mm)
- Recommend torque : 35Ncm



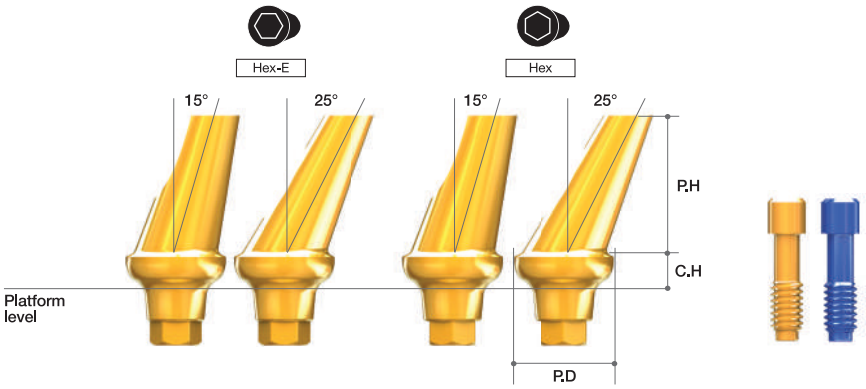
Profile Diameter	Cuff Height(mm)	Post Height(mm)	Type	Ref.C
Ø4.0	2	7	Hex	AANEPH4027L
	3			AANEPH4037L
	4			AANEPH4047L
	5			AANEPH4057L
Ø5.0	2	7	Hex	AANEPH5027L
	3			AANEPH5037L
	4			AANEPH5047L
	5			AANEPH5057L

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Type	Ref.C
Ø6.0	2	7	Hex	AANEPH6027L
	3			AANEPH6037L
	4			AANEPH6047L
	5			AANEPH6057L
Ø7.0	2	7	Hex	AANEPH7027L
	3			AANEPH7037L
	4			AANEPH7047L
	5			AANEPH7057L

Angled Abutment

- Multi Post Screw(AANMSF/AANMST) included.

- Two different angulations. (15°, 25°)
- Four different profile diameters. (Ø4.0, 5.0, 6.0, 7.0)
- Four different cuff heights. (2, 3, 4, 5mm)
- Can cover 12 different directions. [six to the surface(Hex), six to the edge of hex(Hex-E)]
- Esthetic gold coloring.
- Minimized screw head length needs minimum height to prevent milling problems.
- Recommend torque : 35Ncm



Profile Diameter	Cuff Height(mm)	Post Height(mm)	Type	Angle	Ref.C
Ø4.0	2	7	Hex	15°	AANAAH4215L
	3				AANAAH4315L
	4				AANAAH4415L
	5				AANAAH4515L
	2		Hex	25°	AANAAH4225L
	3				AANAAH4325L
	4				AANAAH4425L
	5				AANAAH4525L

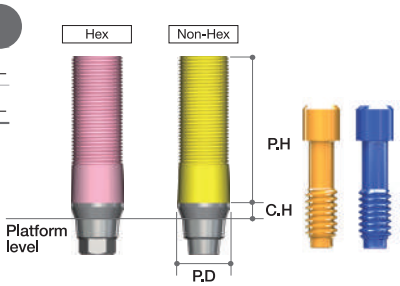
Profile Diameter	Cuff Height(mm)	Post Height(mm)	Type	Angle	Ref.C
Ø5.0	2	7	Hex	15°	AANAAH5215L
	3				AANAAH5315L
	4				AANAAH5415L
	5				AANAAH5515L
	2		Hex	25°	AANAAH5225L
	3				AANAAH5325L
	4				AANAAH5425L
	5				AANAAH5525L

CCM Abutment

- Multi Post Screw(AANMSF/AANMST) included.

- Useful to make a customized abutment in difficult situations.
- Can be casted with non-precious alloys (Ni-Cr, Cr-Co alloys).
- Non-precious melting temperature : Depend on Manufacturer
- Threaded sleeves for convenient Resin / Wax-up.
- Melting temperature of CCM : 1300~1400°C
- Recommend torque : 35Ncm

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Type	Ref.C
Ø4.0	1	11	Hex	AANCAH4012L
			Non-Hex	AANCAN4012L



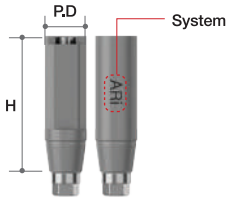
Scan Abutment

- Abutment Screw included.
  - ✓ AnyRidge (SAAANMSF)
  - ✓ Octa Level (SAIRCS200)
  - ✓ MUA Level (SAMUAS)

- For Chairside/ Labside
- Included spare Abutment Screw
- Surpporting Dental CAD
  - 3Shape / exocad / Dental Wings
- Recommend torque : By Hand (5~8Ncm)

Standard

System	Profile Diameter	Height (mm)	Ref.C
AnyRidge	Ø4.0	9	AANISR4009T
		13	AANISR4013T
Octa Level	Ø4.0	11	AOCESC4011T
MUA Level (N Type)	Ø4.0	13	AMUASR4013T

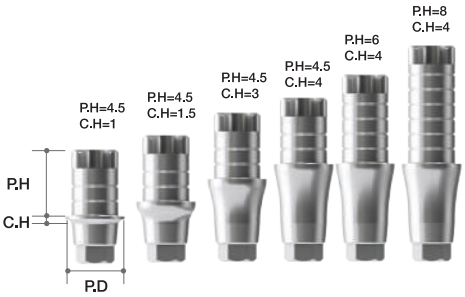


ZrGEN Abutment

- Abutment Screw included.
  - ✓ AnyRidge (AANMSF)
  - ✓ Octa Level (IRCS200)
  - ✓ MUA Level (MUAS)

- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
  - MiNi ZrGEN has special abutment screw (Available only in ZrGEN Abutment)

- Supporting DentalCAD
  - 3 Shape
  - Exocad
  - Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 4.5mm ▯ Groove : 2ea
  - Post Height : 5mm ▯ Groove : 3ea
  - Post Height : 6mm ▯ Groove : 4ea
  - Post Height : 8mm ▯ Groove : 6ea
- Recommend torque : 35Ncm



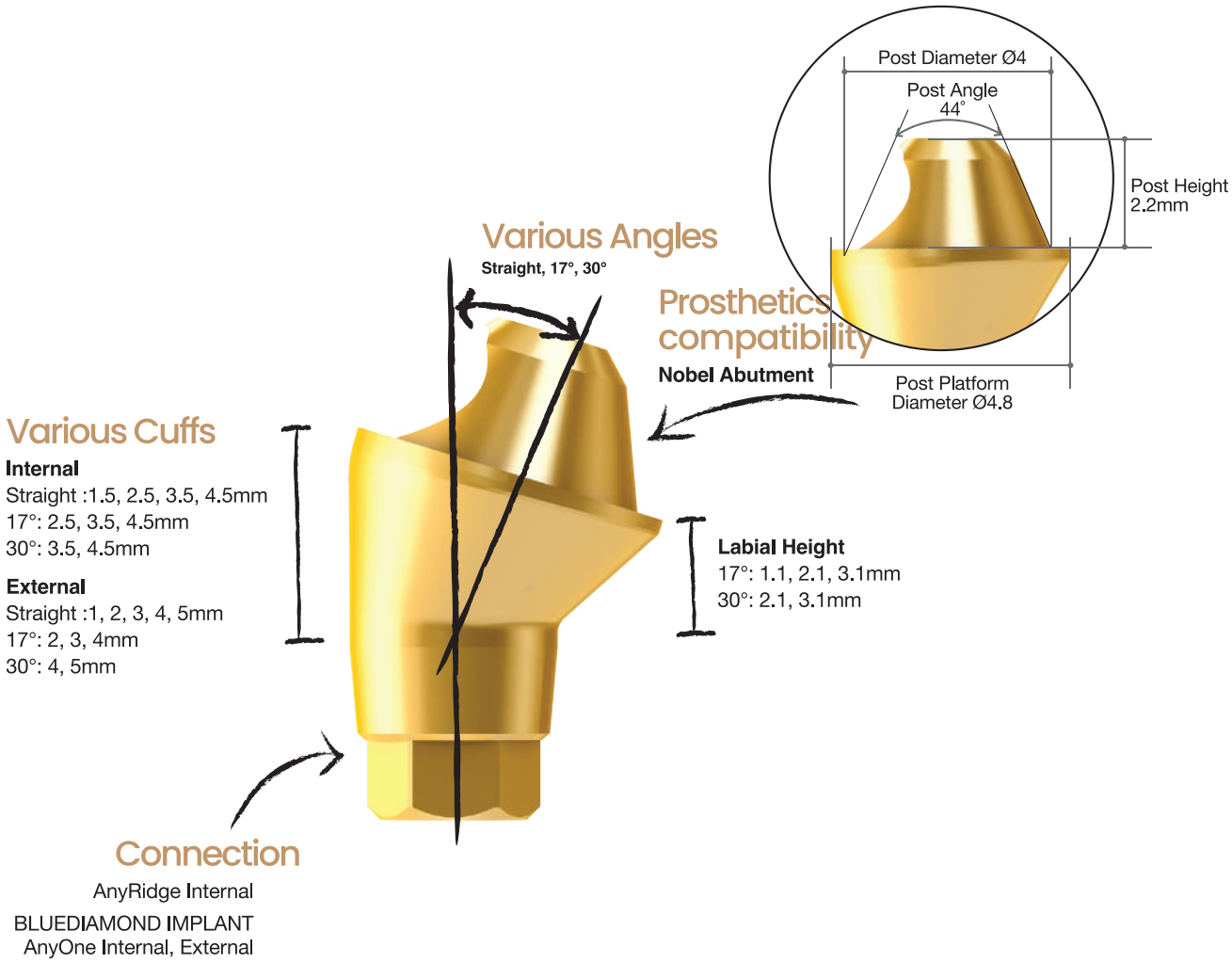
Standard

System	Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
AnyRidge	Ø4.0	0.6	4.5	Hex	AANIPR4015.MTN
			6		AANIPR4016.MTN
			8		AANIPR4018.MTN
		1.5	4.5		AANIPR4025.MTN
			6		AANIPR4026.MTN
			8		AANIPR4028.MTN
		3.0	4.5		AANIPR4035.MTN
			6		AANIPR4036.MTN
			8		AANIPR4038.MTN
		4.0	4.5		AANIPR4045.MTN
			6		AANIPR4046.MTN
			8		AANIPR4048.MTN
		0.6	4.5	Non-Hex	AANIPR4015N.MTN
			6		AANIPR4016N.MTN
			8		AANIPR4018N.MTN
		1.5	4.5		AANIPR4025N.MTN
			6		AANIPR4026N.MTN
			8		AANIPR4028N.MTN
		3.0	4.5		AANIPR4035N.MTN
			6		AANIPR4036N.MTN
			8		AANIPR4038N.MTN
		4.0	4.5		AANIPR4045N.MTN
			6		AANIPR4046N.MTN
			8		AANIPR4048N.MTN

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

▸▸ Multi-unit Abutment N Type

The solution for the edentulous patients



Benefit

1. Easy and economical treatment solution for compromised edentulous cases.
2. Expensive and time consuming bone graft may not be necessary.
3. Multiple angles (0°, 17°, 30°) support different implant insertion paths.
4. Universally compatible with other Multi-unit systems.

Available implant System

- AnyRidge Internal
- BLUEDIAMOND IMPLANT
- AnyOne Internal
- AnyOne External

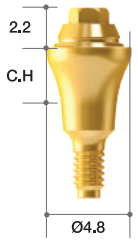
Compatibility with others' Multi-unit level prosthetic components

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

Multi-unit Abutment [AR] - Straight

- MUA Straight Carrier (MUASC) included
- Recommend torque : 35Ncm

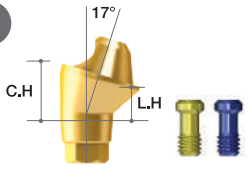
Cuff Height (mm)	Type	Ref.C
1.5	1-piece (M1.8)	MUAARN0015C
2.5		MUAARN0025C
3.5		MUAARN0035C
4.5		MUAARN0045C



Multi-unit Angled Abutment [AR] - 17°

- MUA Screw (MUAARS) included
- MUA Angled Carrier (MUAAC) included
- Recommend torque : 25Ncm

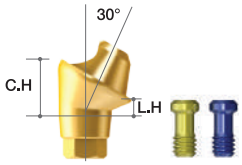
Cuff Height (Labial) (mm)	Type	Ref.C
2.5 (1.1)	Hex	MUAARH1725LC
3.5 (2.1)		MUAARH1735LC
4.5 (3.1)		MUAARH1745LC



Multi-unit Angled Abutment [AR] - 30°

- MUA Screw (MUAARS) included
- MUA Angled Carrier (MUAAC) included
- Recommend torque : 25Ncm

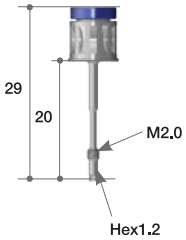
Cuff Height (Labial) (mm)	Type	Ref.C
3.5 (1.1)	Hex	MUAARH3035LC
4.5 (2.1)		MUAARH3045LC



Removal Driver

- Use for abutment screw with 1.2 hex hole.
- Use up to 15° divergent.
- Exclusively for AnyRidge system.
- It should use under 30Ncm torque.

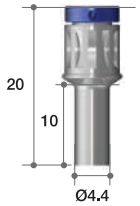
Hex	Length	Ref.C
1.2	20	MUARD20



Multi-unit Driver

- Use to torque straight type Multi-unit Abutments.
- Use with a torque wrench **(ref code: MTW300A)**

Hex	Length	Ref.C
2.0	10	MUD10

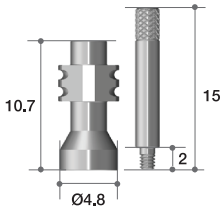


Impression Coping

(Pick-up)

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

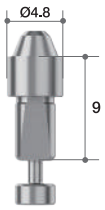
Connection	Ref.C
Non-Hex	MUAICT



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

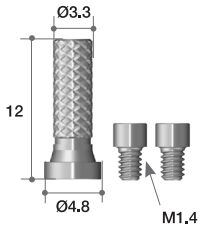


Temporary Cylinder

- 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	MUATCL

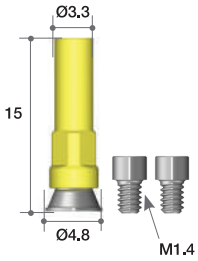


CCM Cylinder

- 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	MUACCML

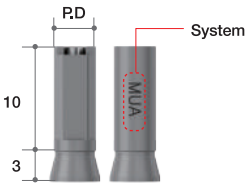


Scan Abutments

- Abutment Screw(SAMUAS) included

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

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



ZrGEN Abutments

- 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

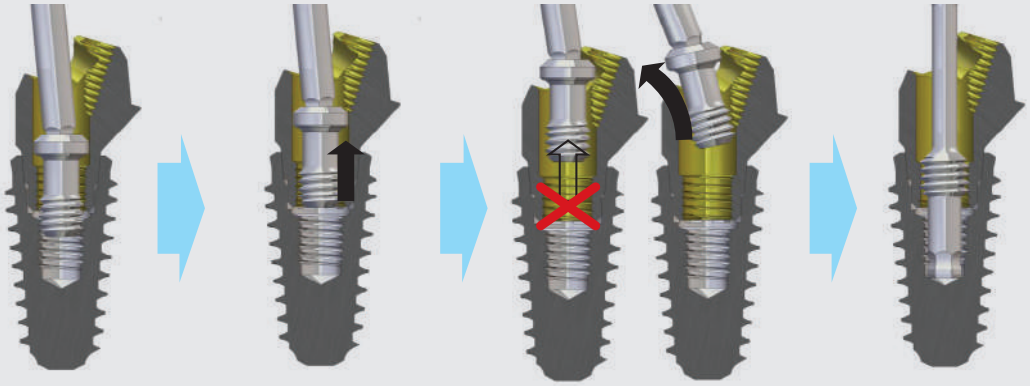
Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
Ø5.5	0.8	5	N Type	AMUAPR5515N.MTN
		6		AMUAPR5516N.MTN
		8		AMUAPR5518N.MTN



▸▸ Screw & Abutment Tightening Torque Guide

- Abutment Screw (M1.8 & M2.0) : 25Ncm
- Cylinder Screw (M1.4) : 15Ncm
- Straight Abutment (M1.8 &M2.0) : 35Ncm

Instruction for removing abutment screw from Multi-unit abutment [Exclusively for AnyRidge system]



1. Completely unscrew abutment screw by rotating it counterclock wise (approximately 4 rotations are required). It should sue with a Hand Driver **(ref code: MUHD1220)**

2. Pull the Hand Driver up straight until it is visible through abutment crew hole. Shaking left and right may be required if the screw becomes stuck inside of the abutment hole.

3. Slightly rotate the screw to the main access hole. Otherwise the screw could fall back into the screw hole due to distur bance of abutment structure.

4. Remove abutment with the Removal Driver **(ref code: MUARD20)** by rotating it clockwise.

Driver Tightening Torque Guide

1. Multi-unit Abutment Remover Driver



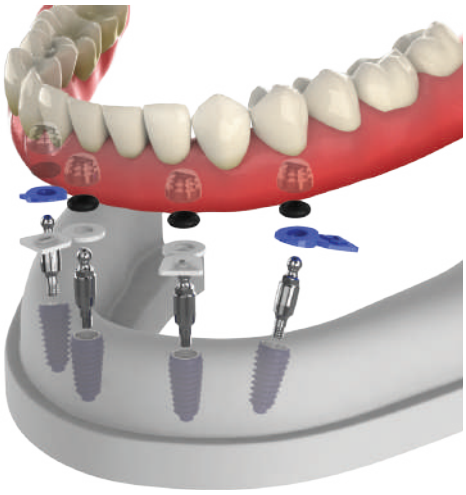
< 30Ncm

2. Multi-unit Hand Driver



< 30Ncm

- Excessive torque more than 30Ncm may cause fracturing of the driver.
- Straight type Multi-unit abutment needs to use the Multi-unit Driver that is provided in the starting package. **(ref code: MUD10)**
- Strongly recommended to pick up the abutment screw by pressing the Hand Driver to remove the abutment screw from the Multi-unit abutment.



Meg-Ball

Smallest housing, retentive ring with longer life!
Even when the implant angle is not parallel, a stable denture can still be produced!

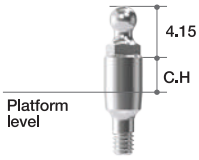
Compatible with other products with Ø2.25 head size, minimized patient inconvenience due to small-size housing, simpler to arrange artificial teeth as space occupied by denture is reduced, and easier to maintain than other systems.
Retentive ring has a high elasticity, abrasion resistance, and durability, thereby doubling the length of life when compared to a silicone O-ring and guaranteeing a longer life than NBR products.
Positioner (0/5/10/15 degrees) maintains parallel housing direction, even with distorted implant placement angle, ensuring denture stability.

Meg-Ball Abutment

- Angle compensation to one side 15 °
  (both sides 30 °)
- Ø2.25 Ball shape

• Recommend torque : 35Ncm

Cuff Height (mm)	Ref.C
0	MBAR00
1.0	MBAR10
2.0	MBAR20
3.0	MBAR30
4.0	MBAR40
5.0	MBAR50
6.0	MBAR60
7.0	MBAR70



Meg-Ball Package

- Composed of Meg-Ball Abutment/
  Metal Housing Set/
  Housing Positioner (0°,5°,10°,15°)

Cuff Height (mm)	Ref.C
0	MBAR00P
1.0	MBAR10P
2.0	MBAR20P
3.0	MBAR30P
4.0	MBAR40P
5.0	MBAR50P
6.0	MBAR60P
7.0	MBAR70P



Meg-Ball Metal Housing Set

- 1 Metal Housing
- 1 Retentive Ring

Ref.C
MBHR



Retentive Ring Set

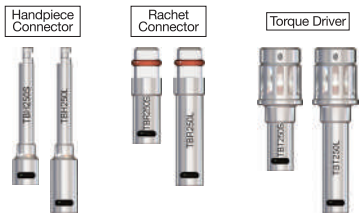
Quantity	Ref.C
5	MBR5
10	MBR10

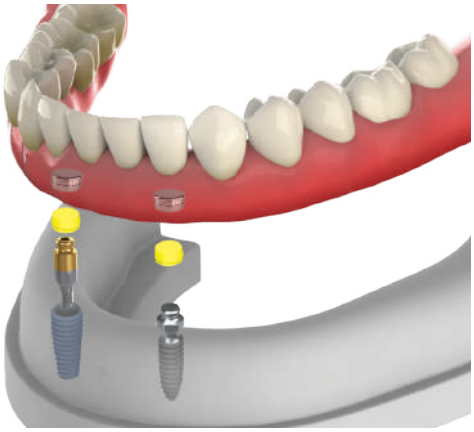


Ball Driver

- For seating of the Ball Abutment into the fixture.
- Can connect to a Handpiece, Ratchet or Torque Wrench.
- Available in long and short.
- Refer to Page. 100

Type	Ref.c
Toque Driver(Short)	TBT250S
Toque Driver(Long)	TBT250L





Meg-Rhein

Can compensate for tilted implant placement angle up to 50°

Combined head and housing structure is smallest on the market.

Retentive cap is based on Italian technology and has uniform physical properties. Various retention forces (600gf, 1200gf, 1800gf, 2700gf) classified by color can be selected according to each patient.

Dynamic housing with double structure enables tilting to 25 ° angle, allowing stable denture even when with distorted implant placement angle.

Meg-Rhein Overdenture System

- 1 Meg-Rhein Abutment
- 1 Plastic Impression Coping
- 1 Stainless Steel Housing
- 1 Protective Disk
- 5 Retentive Caps
  (Black-Lab, Yellow-0.6kgf, Pink-1.2kgf, White-1.8kgf, Violet-2.7kgf)

- Perfect compatibility with the Rhein83 from Italy.
- Recommend torque : 35Ncm.

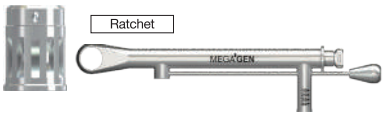
Cuff Height (mm)	Ref.C
0	ADR00P
1.0	ADR01P
2.0	ADR02P
3.0	ADR03P
4.0	ADR04P
5.0	ADR05P
6.0	ADR06P



Surgical Kit_Full Type

Ref.C
KARIN3001

Easier and safer to drill for the depth as you need with the stopper drills.



⑨ Torque Wrench & Adapter



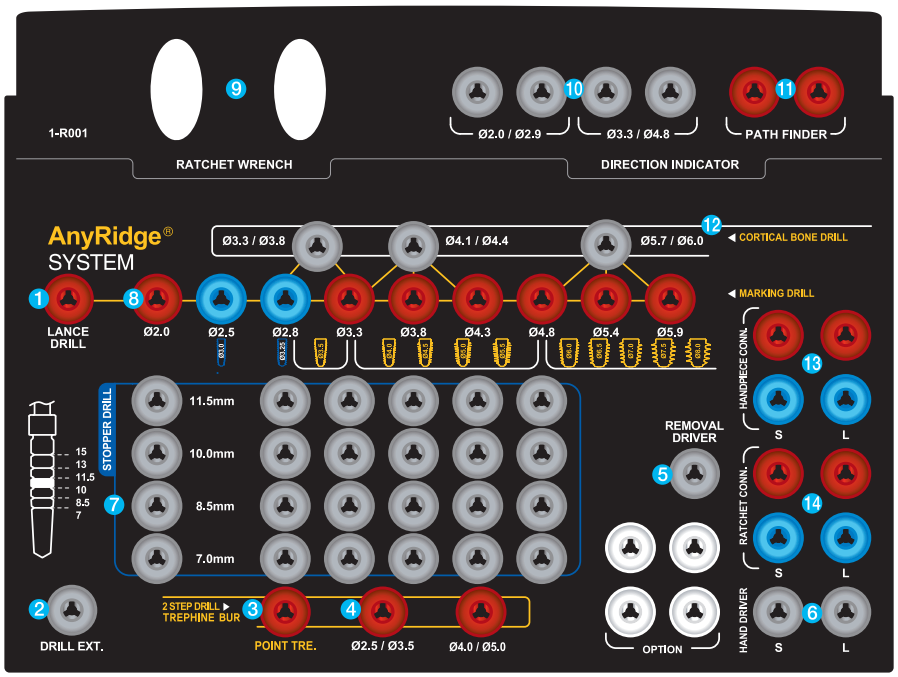
⑩ Direction Indicator (for osteotomy socket)



⑪ Path Finder (for pre-placed fixtures)

⑫ Cortical Bone Drill





① Lance Drill



② Drill Extension



⑬ Handpiece Connectors



⑭ Ratchet Connectors



③ Point Trepine Bur



④ Trepine Bur



⑤ Abutment Removal Driver



⑥ Hand Driver



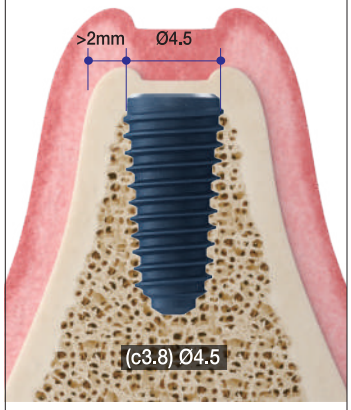
⑦ Stopper Drills



⑧ Marking Drills



Customized drilling sequence concept



A customized drilling sequence is created by the clinician based on the core size according to the occlusal force and thread-depth according to the bone density.
When understanding the benefits of AnyRidge [guaranteed high initial stability in any case], the drilling sequence can be customized for the desired initial stability..

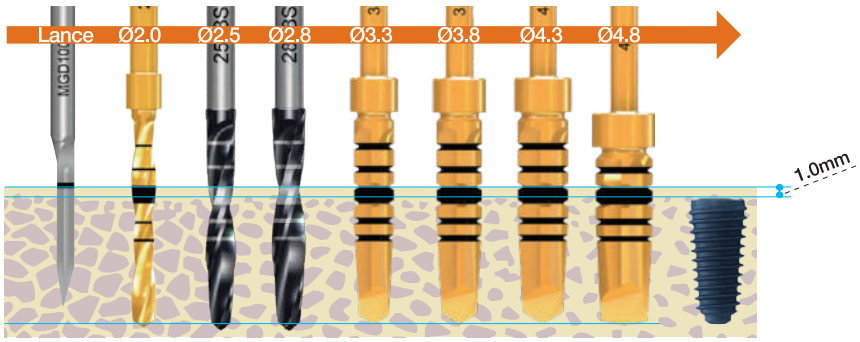
EX) Core Ø3.8

- AnyRidge is easier to place than conventional implant systems due to its KnifeThread design.
- The super self-tapping KnifeThread of AnyRidge implants means larger implants can be placed according to the bone density with minimal drilling thanks to the various thread depths for each core diameter.

Various Thread Depth



(c3.8) Ø4.5 x 11.5mm implant



Hard bone

- Before placing, drill sequentially up to a drill size 1mm larger than the core diameter of the fixture selected based on the bone width and occlusal force, while the fixture diameter (thread depth) is selected according to bone density.
- If a fixture gets stuck in hard bone leaving more than 1mm above the crest, use the next drill size and drill to a depth of 7mm, then place the implant according to the “One Millimeter Rule”.

Soft bone

- In a soft bone density, drill to the core size of the selected implant and then place the implant.

Molar extraction socket

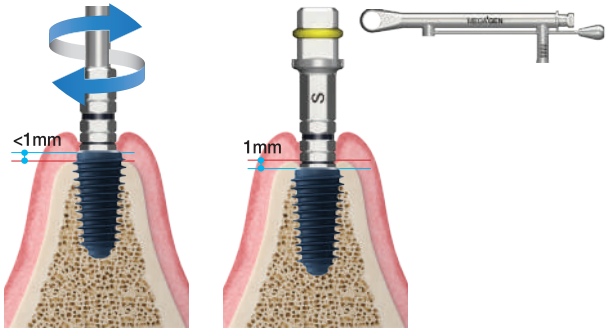
- Use a 4.8mm core and select the fixture diameter (thread depth) depending on the size of the extraction socket and bone density.

▸▸ Check points for best results

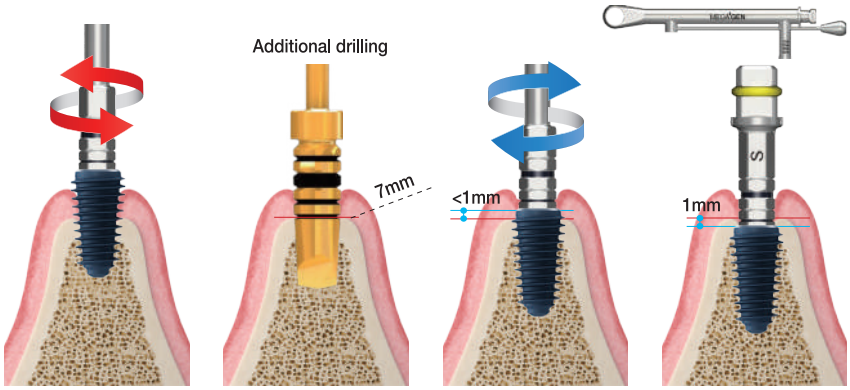
Point #1

Consider **'One millimeter Rule'** to avoid any sticking

1. Due to the extra strong initial stability of AnyRidge fixtures, they can get stuck during placement, especially in mandibular hard bone. The best and easiest way to avoid this is to remember the 'One Millimeter Rule'. A full understanding of the AnyRidge system will allow clinicians to customize their drilling sequence to achieve the preferred initial stability. The 'One Millimeter Rule' is simple: first, use an implant engine to place the implant 1mm above the crest bone (recommended torque: 40Ncm), then use a ratchet wrench to position the implant platform 1.0mm below the crest bone.



2. If a fixture gets stuck in hard mandibular bone leaving more than 1mm above the crest, remove the fixture using a Ratchet Wrench instead of screwing further with excessive torque. Next, using a drill one size larger than the previous drill, drill up to the 7mm mark and place another implant the same size as the removed implant (recommended torque: 40Ncm). The depth of the additional drilling can be modified depending on the bone density.

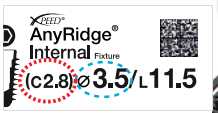


Point #2

As too much torque can cause fatigue, ⊠ **50Ncm** is strongly recommended

Over-torquing can cause irreversible damage to connection &/or linear cracking of fixture wall.

For smaller diameter AnyRidge [⊠ 3.5mm (2.8mm core)], recommended insertion torque is ⊠ 50Ncm to avoid any structural damage to fixture.





Elastic Area — Plastic Area

	35NCm	50NCm	100NCm	150NCm	200NCm
AnyRidge (ø3.5)	411.0MPa	443.6MPa	1041.4MPa	1298.0MPa	1343.5MPa
AnyOne Internal (ø3.5)	588.9MPa	687.7MPa	1208.4MPa	1360.4MPa	1376.2MPa



Material: Titanium Gr4CW (fixture) / Tensile strength: 1258.63MPa / Yield strength: 1010.34MPa

R2 Full Surgical KIT

Ref.C

KAGIN3000

- If you only use a specific system, corresponding system's full kit can be provided.
- R2 full surgical kit is composed with all of drills and components that are needed for the Digital Guided Surgery which uses R2GATE Guide™ after R2GATE™ diagnosis. It helps to actualize minimally invasive surgery and makes exact clinical result as the diagnosis.



⑤ Ratchet Wrench

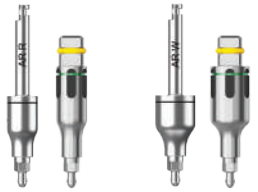
⑥ Bone Profiler



This is used to minimize the interference of the crestal bone when connecting ZrGEN Abutment, [Used before placing the fixture / Recommended RPM 600 ~1000]

⑦ Implant Carrier

: Handpiece type
: Ratchet type



R – AnyRidge Regular (ø3.5 ~ø4.5)

W – AnyRidge Wide (ø5.0 ~ø6.0)



⑧ Carrier-Handpiece Adapter



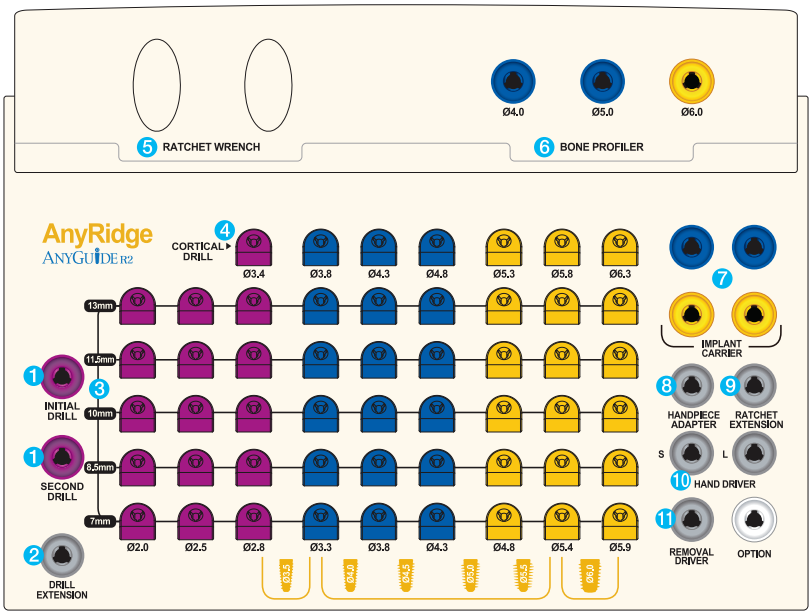
⑨ Carrier Extension

① Initial Drill



Initial Drill Second Drill

Drilling to make the initial drill path





⑩ Hand Driver

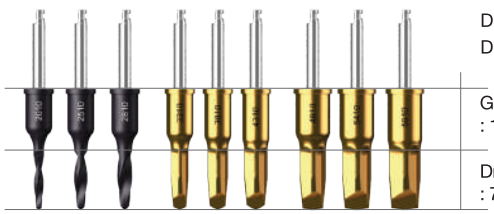


② Drill Extension



⑪ Abutment Remover Driver

③ Guide Stop Drill

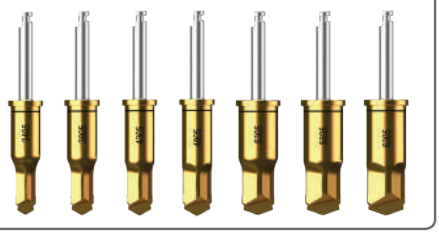


Drill Diameter : Ø2.0 ~ Ø5.9
Drill Length : 7.0 ~ 13.0mm

Guide length
: 13.5mm

Drilling length
: 7.0 ~ 13.0mm

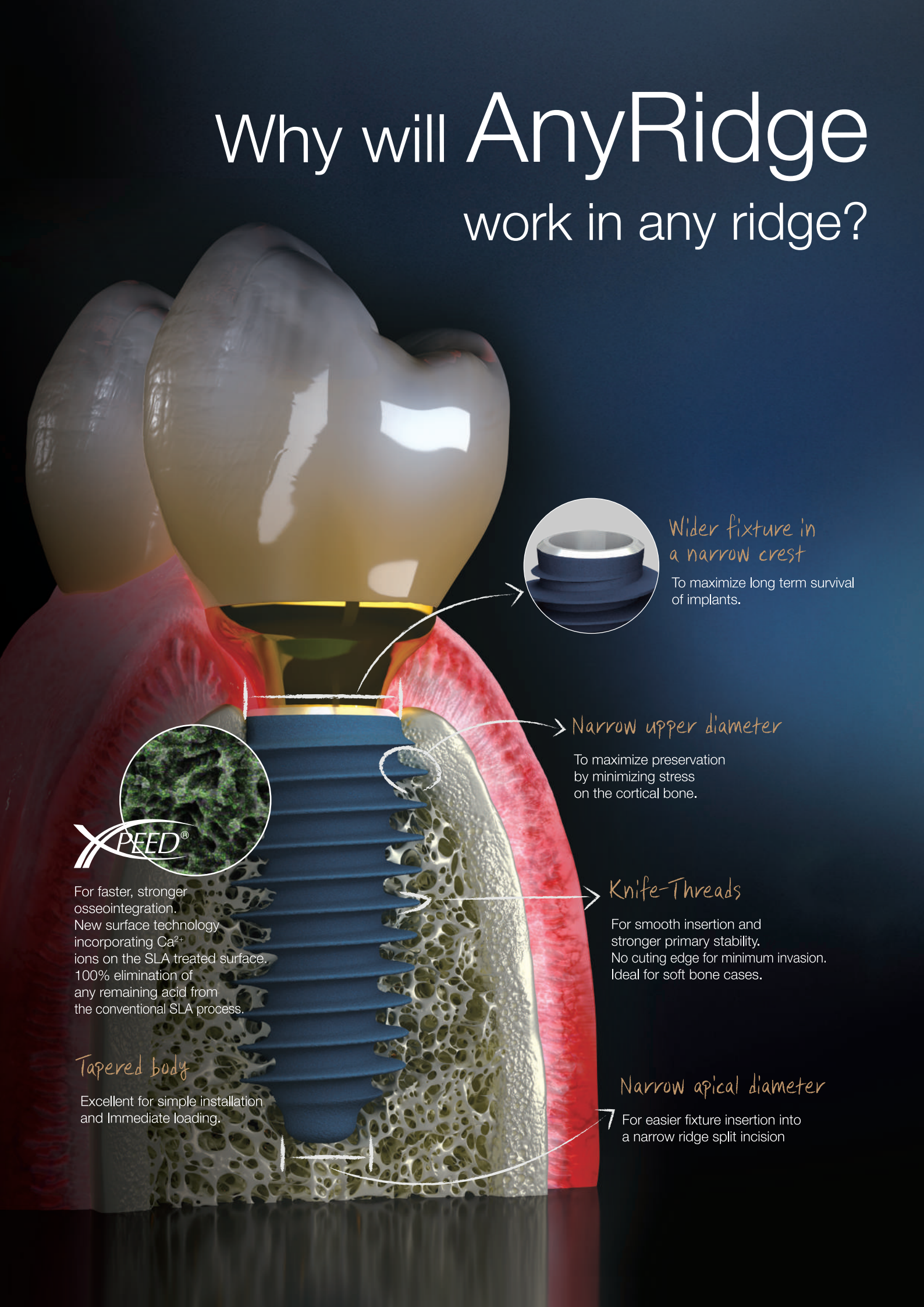
④ Cortical Bone Drill



In type I or II bone, crestal bone is partly reduced to lower the pressure against the fixture during placement.

Product coordinator : Jung Ho Nam, rnd_implant1@imegagen.com

Why will AnyRidge work in any ridge?



Wider fixture in a narrow crest

To maximize long term survival of implants.

Narrow upper diameter

To maximize preservation by minimizing stress on the cortical bone.

Knife-Threads

For smooth insertion and stronger primary stability.
No cuting edge for minimum invasion.
Ideal for soft bone cases.

Narrow apical diameter

For easier fixture insertion into a narrow ridge split incision

XPEED®

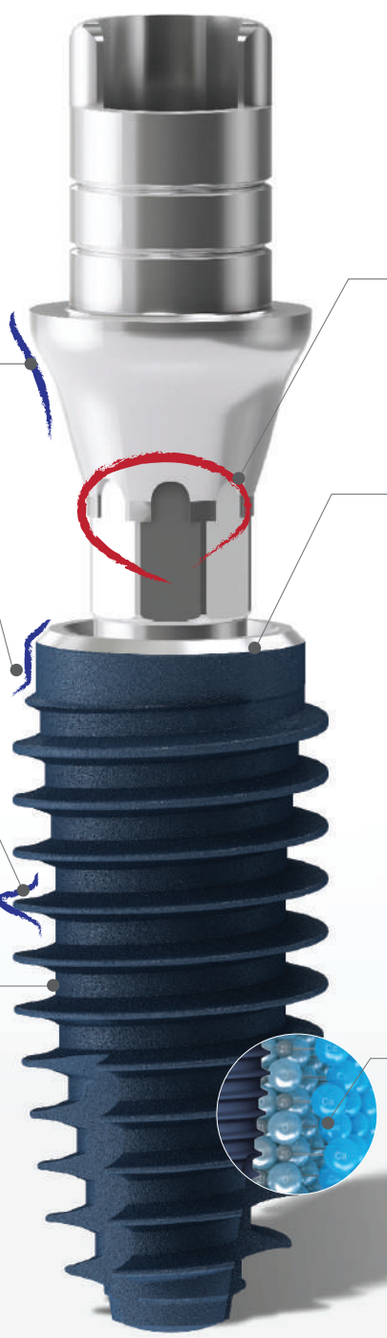
For faster, stronger osseointegration.
New surface technology incorporating Ca^{2+} ions on the SLA treated surface.
100% elimination of any remaining acid from the conventional SLA process.

Tapered body

Excellent for simple installation and Immediate loading.

A CUT ABOVE THE REST

BLUEDIAMOND
IMPLANT



Biologic S-line
Beautiful & natural-looking esthetics

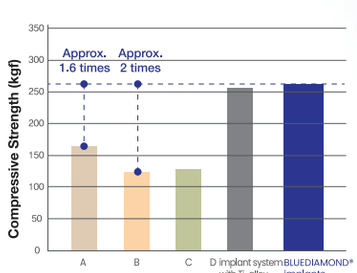
Designed for less bone stress
Maximum preservation of cortical bone

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
200% 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

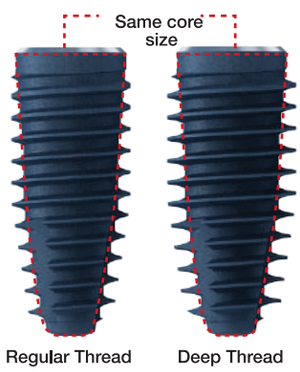
XPEED®
Nano bone matrix layer of Ca^{2+}-incorporated S-L-A surface
Excellent, rapid & long-lasting osseointegration

Fixture thread options for better initial stability

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

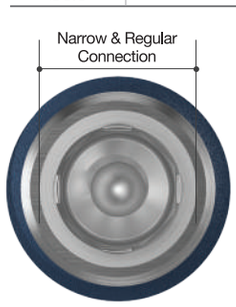
· REGULAR thread recommended for hard bone (D1 & D2)
· DEEP thread recommended for soft bone or poor bone density (D3 & D4)

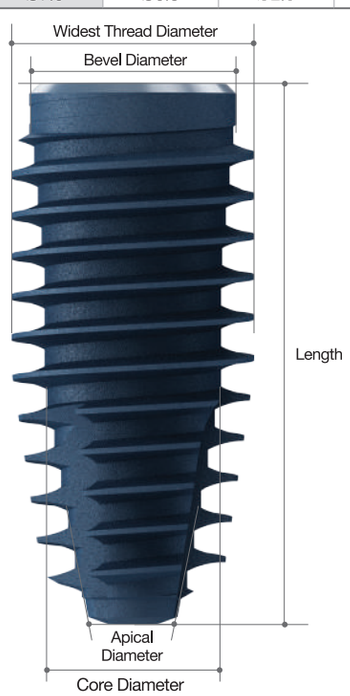
	Fixture Diameter							
	Ø3.3	Ø3.7	Ø4.1	Ø4.4	Ø4.8	Ø5.3	Ø5.8	Ø6.3
Regular Thread								
Thread Depth	0.4	0.4	0.45	0.45	0.4	0.55		
Deep Thread								
Thread Depth	0.6	0.6	0.65	0.65	0.65	0.75	1.0	1.25

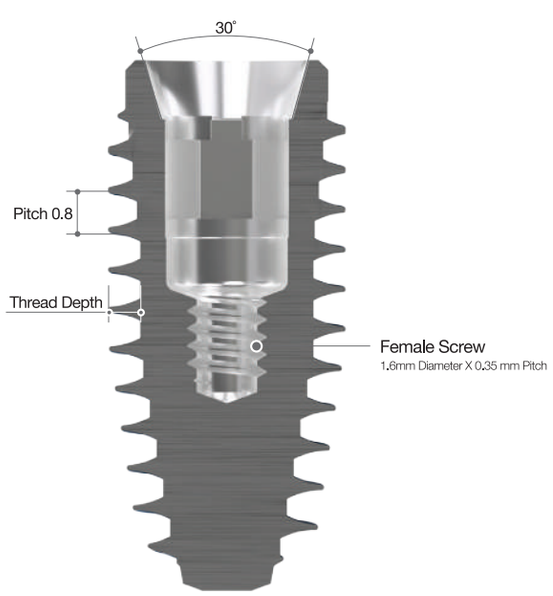


Regular & Deep Threads

Fixture Diameter	Widest Thread Diameter (Normal Thread)	(Deep Thread)	Bevel Diameter	Apical Diameter (Normal&Deep Thread)	Core Diameter	Thread Depth (Normal Thread)	(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 / 10.7 / 12.2 / 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







BLUEDIAMOND IMPLANT

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

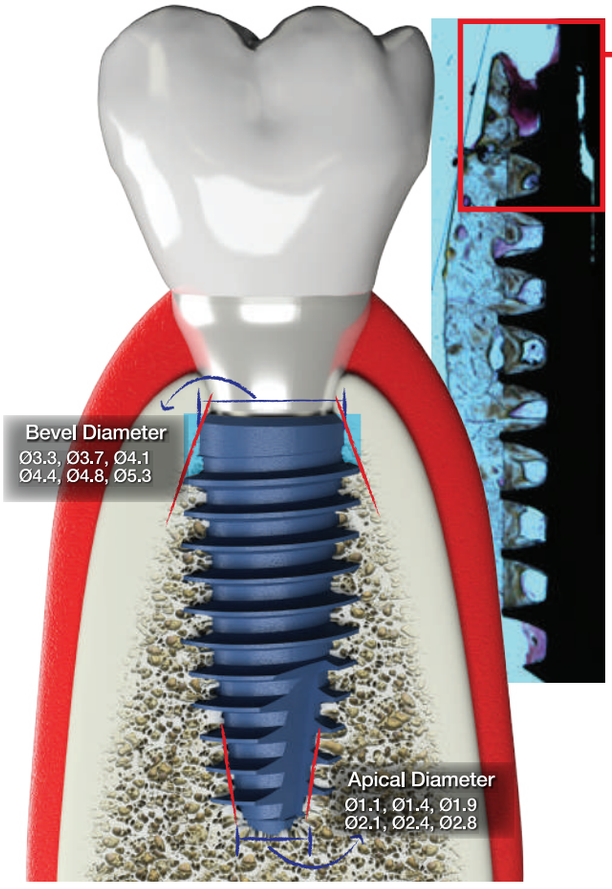
allows placement of wider fixture in narrow crest

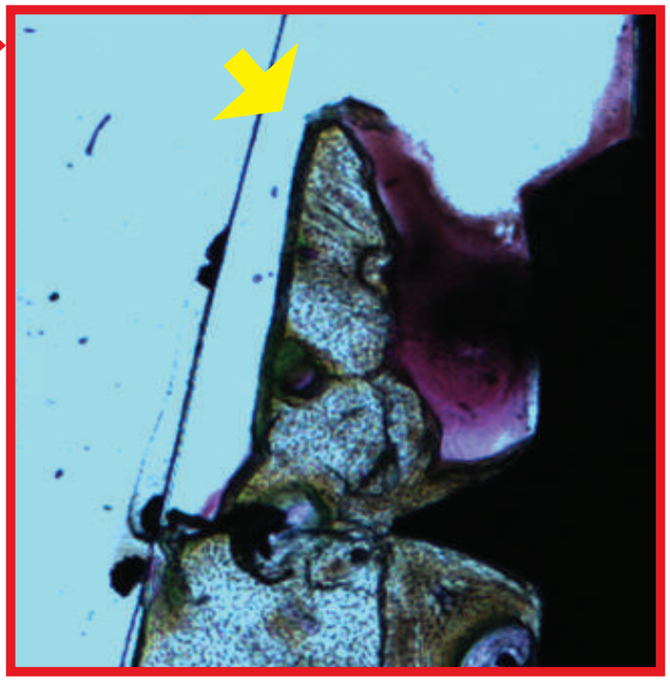
Insertion of longer fixture

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.

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





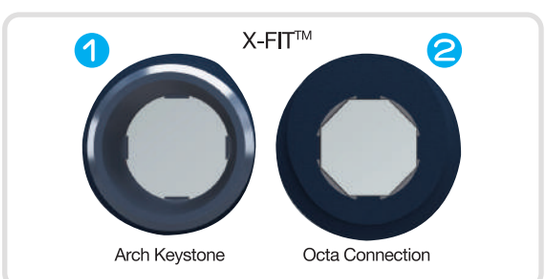
- Human biopsy 2.5 yrs after placement
- Yellow arrow shows preserved pointed alveolar crest after implant placement
- Even with narrow ridge, no peri-implant marginal gingival recession is seen 2.5 yrs after implant placement

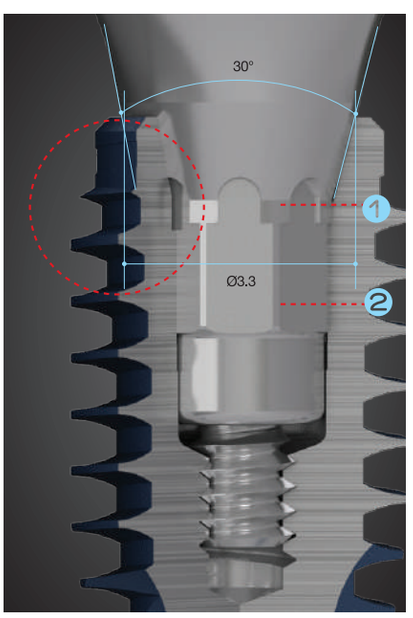
Accurate positioning & excellent prosthetic connection

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.



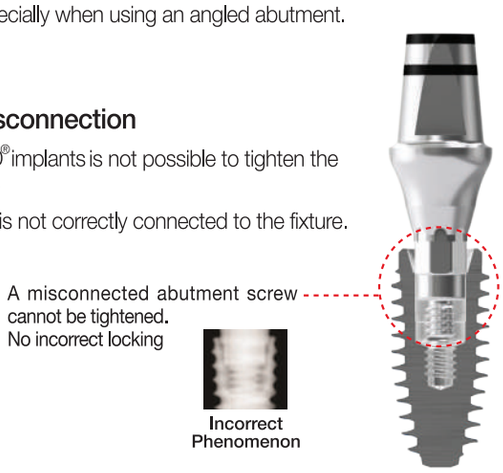


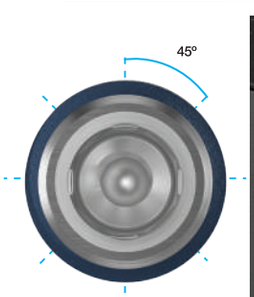
· Click! Fits in 8 positions

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.

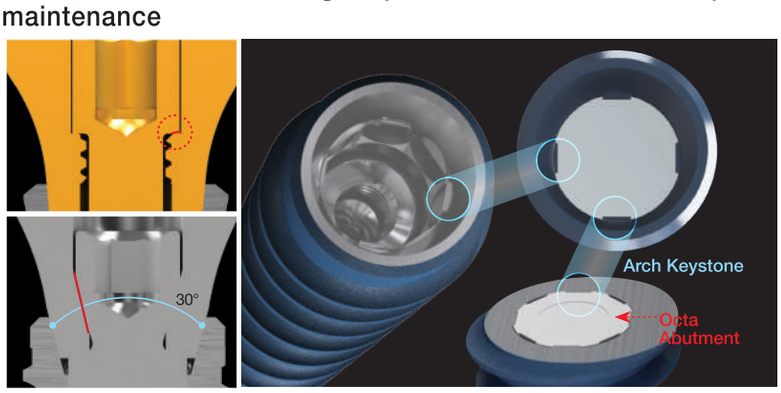






SEM Image x30

· Minimize Screw Loosening Improves convenience of implant maintenance



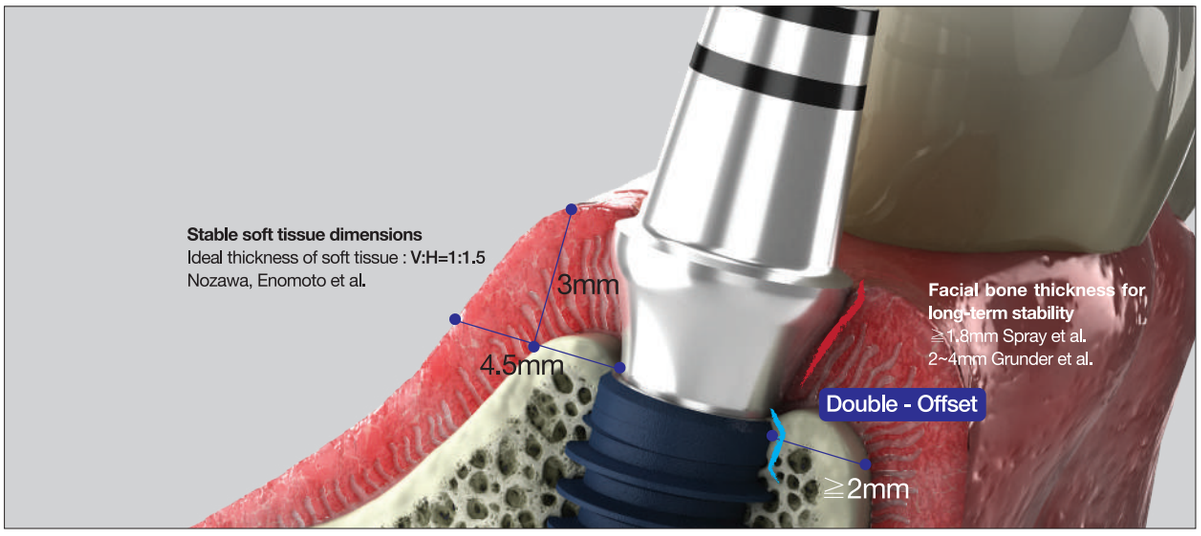
- Increased joint area between abutment screw & abutment
- Minimized sinking due to 30° connection
- Minimized rotation angle between abutment & fixture due to keystone structure inside fixture & abutment joint

Better esthetics & prosthetic line-up

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

Biologic S-line

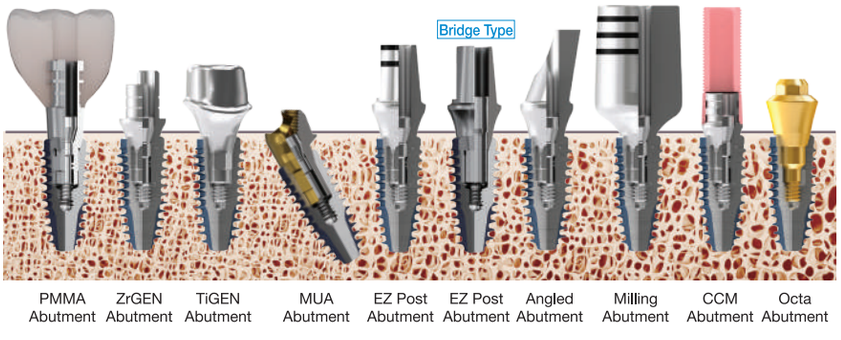
Upper thread-less section of fixture & double-offset structure of biologic S-line cuff design of abutment create better peri-implant biotype & provide emergence profile for more esthetic & functional prosthetic results.

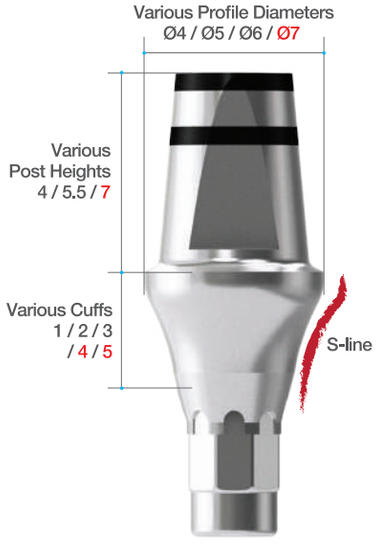




Courtesy of Dr. Edison Shimaj

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.



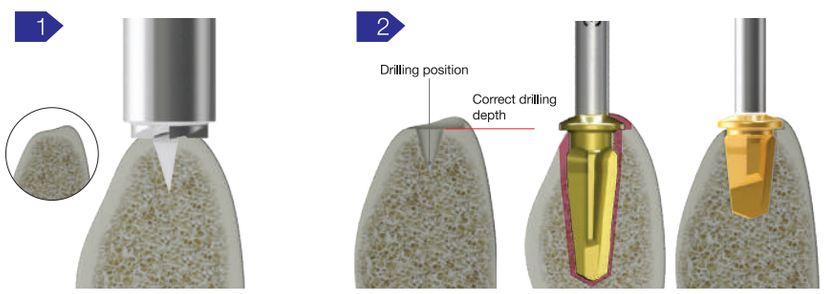


BLUEDIAMOND IMPLANT

Simple & intuitive drilling sequence

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

Drilling Protocol



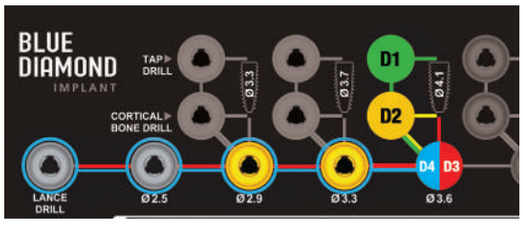
- Use flattening drill to level bone surface for fixture placement (use Ø5.0 housing if final drill is Ø2.0mm~4.3mm & use Ø6.0mm housing if final drill is Ø4.8mm~Ø5.4mm)
- Start suitable drilling sequence according to fixture size & bone density
- Placement using handpiece & ratchet connector

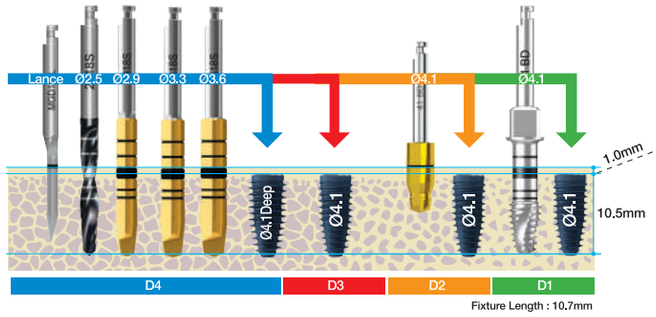
Drilling protocol according to fixture diameter & bone density for optimal initial stability

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

※ XPEEDActive : Availability may vary by country

NC

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø3.3	NC	7	ARO3307C	ARO3307XAC
		8.5	ARO3308C	ARO3308XAC
		10	ARO3310C	ARO3310XAC
		11.5	ARO3311C	ARO3311XAC
		13	ARO3313C	ARO3313XAC
		15	ARO3315C	ARO3315XAC
		18	ARO3318C	ARO3318XAC



NC Ø3.7

- Cover Screw included

※ XPEEDActive : Availability may vary by country

NC

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø3.7	NC	7	ARO3707C	ARO3707XAC
		8.5	ARO3708C	ARO3708XAC
		10	ARO3710C	ARO3710XAC
		11.5	ARO3711C	ARO3711XAC
		13	ARO3713C	ARO3713XAC
		15	ARO3715C	ARO3715XAC
		18	ARO3718C	ARO3718XAC



RC Ø4.1

- Cover Screw included

※ XPEEDActive : Availability may vary by country

RC

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø4.1	RC	7	ARO4107C	ARO4107XAC
		8.5	ARO4108C	ARO4108XAC
		10	ARO4110C	ARO4110XAC
		11.5	ARO4111C	ARO4111XAC
		13	ARO4113C	ARO4113XAC
		15	ARO4115C	ARO4115XAC
		18	ARO4118C	ARO4118XAC



RC Ø4.4

- Cover Screw included

※ XPEEDActive : Availability may vary by country

RC

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø4.4	RC	7	ARO4407C	ARO4407XAC
		8.5	ARO4408C	ARO4408XAC
		10	ARO4410C	ARO4410XAC
		11.5	ARO4411C	ARO4411XAC
		13	ARO4413C	ARO4413XAC
		15	ARO4415C	ARO4415XAC
		18	ARO4418C	ARO4418XAC



RC Ø4.8

- Cover Screw included

※ XPEEDActive : Availability may vary by country

RC

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø4.8	RC	7	ARO4807C	ARO4807XAC
		8.5	ARO4808C	ARO4808XAC
		10	ARO4810C	ARO4810XAC
		11.5	ARO4811C	ARO4811XAC
		13	ARO4813C	ARO4813XAC
		15	ARO4815C	ARO4815XAC
		18	ARO4818C	ARO4818XAC



RC Ø5.3

- Cover Screw included

※ Availability may vary by country

RC

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø5.3	RC	7	ARO5307C	ARO5307XAC
		8.5	ARO5308C	ARO5308XAC
		10	ARO5310C	ARO5310XAC
		11.5	ARO5311C	ARO5311XAC
		13	ARO5313C	ARO5313XAC
		15	ARO5315C	ARO5315XAC
		18	ARO5318C	ARO5318XAC



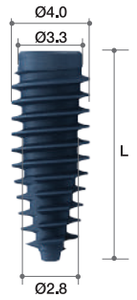
NC Ø3.3 Deep Thread

- Cover Screw included

※ XPEEDActive : Availability may vary by country

NC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø3.3	NC	7	ARO3307DC	ARO3307DXAC
		8.5	ARO3308DC	ARO3308DXAC
		10	ARO3310DC	ARO3310DXAC
		11.5	ARO3311DC	ARO3311DXAC
		13	ARO3313DC	ARO3313DXAC
		15	ARO3315DC	ARO3315DXAC
		18	ARO3318DC	ARO3318DXAC



NC Ø3.7 Deep Thread

- Cover Screw included

※ XPEEDActive : Availability may vary by country

NC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø3.7	NC	7	ARO3707DC	ARO3707DXAC
		8.5	ARO3708DC	ARO3708DXAC
		10	ARO3710DC	ARO3710DXAC
		11.5	ARO3711DC	ARO3711DXAC
		13	ARO3713DC	ARO3713DXAC
		15	ARO3715DC	ARO3715DXAC
		18	ARO3718DC	ARO3718DXAC



RC Ø4.1 Deep Thread

- Cover Screw included

※ XPEEDActive : Availability may vary by country

RC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø4.1	RC	7	ARO4107DC	ARO4107DXAC
		8.5	ARO4108DC	ARO4108DXAC
		10	ARO4110DC	ARO4110DXAC
		11.5	ARO4111DC	ARO4111DXAC
		13	ARO4113DC	ARO4113DXAC
		15	ARO4115DC	ARO4115DXAC
		18	ARO4118DC	ARO4118DXAC



RC Ø4.4 Deep Thread

- Cover Screw included

※ XPEEDActive : Availability may vary by country

RC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø4.4	RC	7	ARO4407DC	ARO4407DXAC
		8.5	ARO4408DC	ARO4408DXAC
		10	ARO4410DC	ARO4410DXAC
		11.5	ARO4411DC	ARO4411DXAC
		13	ARO4413DC	ARO4413DXAC
		15	ARO4415DC	ARO4415DXAC
		18	ARO4418DC	ARO4418DXAC



RC Ø4.8 Deep Thread

- Cover Screw included

※ XPEEDActive : Availability may vary by country

RC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø4.8	RC	7	ARO4807DC	ARO4807DXAC
		8.5	ARO4808DC	ARO4808DXAC
		10	ARO4810DC	ARO4810DXAC
		11.5	ARO4811DC	ARO4811DXAC
		13	ARO4813DC	ARO4813DXAC
		15	ARO4815DC	ARO4815DXAC
		18	ARO4818DC	ARO4818DXAC



RC Ø5.3 Deep Thread

- Cover Screw included

※ Availability may vary by country

RC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø5.3	RC	7	ARO5307DC	ARO5307DXAC
		8.5	ARO5308DC	ARO5308DXAC
		10	ARO5310DC	ARO5310DXAC
		11.5	ARO5311DC	ARO5311DXAC
		13	ARO5313DC	ARO5313DXAC
		15	ARO5315DC	ARO5315DXAC
		18	ARO5318DC	ARO5318DXAC



RC Ø5.8 Deep Thread

- Cover Screw included

※ Availability may vary by country

RC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø5.8	RC	7	ARO5807DC	ARO5807DXAC
		8.5	ARO5808DC	ARO5808DXAC
		10	ARO5810DC	ARO5810DXAC
		11.5	ARO5811DC	ARO5811DXAC
		13	ARO5813DC	ARO5813DXAC
		15	ARO5815DC	ARO5815DXAC
		18	ARO5818DC	ARO5818DXAC



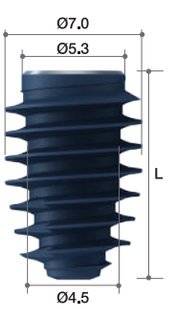
RC Ø6.3 Deep Thread

- Cover Screw included

※ Availability may vary by country

RC Deep

Fixture Diameter	Connection	Length (mm)	Ref.C	
			XPEED	XActive
Ø6.3	RC	7	ARO6307DC	ARO6307DXAC
		8.5	ARO6308DC	ARO6308DXAC
		10	ARO6310DC	ARO6310DXAC
		11.5	ARO6311DC	ARO6311DXAC
		13	ARO6313DC	ARO6313DXAC
		15	ARO6315DC	ARO6315DXAC
		18	ARO6318DC	ARO6318DXAC



Cover Screw & Healing Abutment

Cover Screw

- Included in fixture packaging

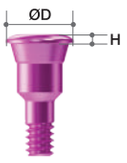
- For use with submerged-type surgery
- Protects inner structure of fixture
- Different height options
- 1mm & umbrella (wide dia.) cover screw can be purchased separately
- Recommended torque: by hand (5 - 8Ncm)
- Use with Hand Driver(1.2 Hex)



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



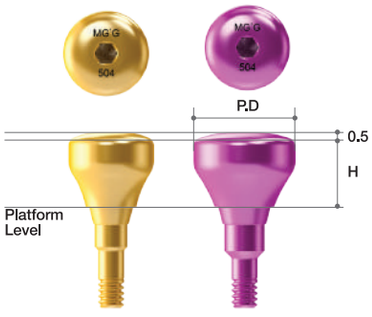
Prevents implant from
falling into maxillary sinus
Suitable for simple GBR surgery



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

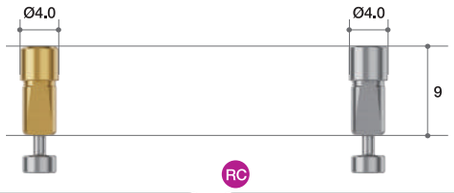
Profile Diameter	Height (mm)	Ref.C
Ø4.0	2	AROHAR402
	3	AROHAR403
	4	AROHAR404
	5	AROHAR405
	6	AROHAR406
	7	AROHAR407
	8	AROHAR408
	9	AROHAR409
Ø5.0	2	AROHAR502
	3	AROHAR503
	4	AROHAR504
	5	AROHAR505
	6	AROHAR506
	7	AROHAR507
	8	AROHAR508
	9	AROHAR509
Ø6.0	2	AROHAR602
	3	AROHAR603
	4	AROHAR604
	5	AROHAR605
	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

Analog

- Analog Screw(ALS18) included.

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





NC

Profile Diameter	Ref.C
Ø4.0	BDIALNT

RC

Profile Diameter	Ref.C
Ø4.0	BDIALRT

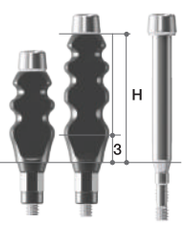
Impression Coping

(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





NC

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

RC

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

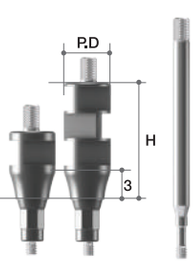
Impression Coping

(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)





NC

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

RC

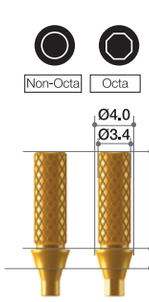
Profile Diameter	Height (mm)	Ref.C
Ø5.0	7	AROICPR5007T
	12	AROICPR5012T

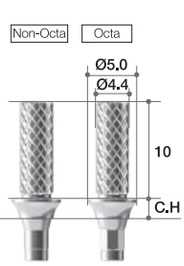
Temporary Abutment

(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







NC

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

RC

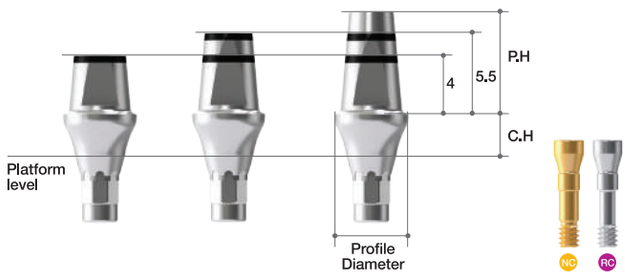
Profile Diameter	C.H (mm)	Type	Ref.C
Ø4.5	2	Octa	AROTARO4210T
		Non-Octa	AROTARN4210T
	3	Octa	AROTARO4310T
		Non-Octa	AROTARN4310T
Ø5.0	2	Octa	AROTARO5210T
		Non-Octa	AROTARN5210T
	3	Octa	AROTARO5310T
		Non-Octa	AROTARN5310T

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)





NC

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.0	1	4.0	AROEPN4014T
	2		AROEPN4024T
	3		AROEPN4034T
	4		AROEPN4044T
	5		AROEPN4054T
	1	5.5	AROEPN4015T
	2		AROEPN4025T
	3		AROEPN4035T
	4		AROEPN4045T
	5		AROEPN4055T
	1	7.0	AROEPN4017T
	2		AROEPN4027T
	3		AROEPN4037T
	4		AROEPN4047T
	5		AROEPN4057T



NC

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø5.0	1	4.0	AROEPN5014T
	2		AROEPN5024T
	3		AROEPN5034T
	4		AROEPN5044T
	5		AROEPN5054T
	1	5.5	AROEPN5015T
	2		AROEPN5025T
	3		AROEPN5035T
	4		AROEPN5045T
	5		AROEPN5055T
	1	7.0	AROEPN5017T
	2		AROEPN5027T
	3		AROEPN5037T
	4		AROEPN5047T
	5		AROEPN5057T



RC

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø5.0	1	4.0	AROEPR5014T
	2		AROEPR5024T
	3		AROEPR5034T
	4		AROEPR5044T
	5		AROEPR5054T
	1	5.5	AROEPR5015T
	2		AROEPR5025T
	3		AROEPR5035T
	4		AROEPR5045T
	5		AROEPR5055T
	1	7.0	AROEPR5017T
	2		AROEPR5027T
	3		AROEPR5037T
	4		AROEPR5047T
	5		AROEPR5057T



RC

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø6.0	1	4.0	AROEPR6014T
	2		AROEPR6024T
	3		AROEPR6034T
	4		AROEPR6044T
	5		AROEPR6054T
	1	5.5	AROEPR6015T
	2		AROEPR6025T
	3		AROEPR6035T
	4		AROEPR6045T
	5		AROEPR6055T
	1	7.0	AROEPR6017T
	2		AROEPR6027T
	3		AROEPR6037T
	4		AROEPR6047T
	5		AROEPR6057T



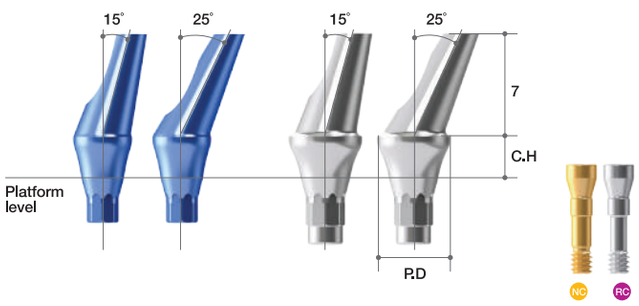
RC

Profile Diameter	Cuff Height(mm)	Post Height(mm)	Ref.C
Ø7.0	1	4.0	AROEPR7014T
	2		AROEPR7024T
	3		AROEPR7034T
	4		AROEPR7044T
	5		AROEPR7054T
	1	5.5	AROEPR7015T
	2		AROEPR7025T
	3		AROEPR7035T
	4		AROEPR7045T
	5		AROEPR7055T
	1	7.0	AROEPR7017T
	2		AROEPR7027T
	3		AROEPR7037T
	4		AROEPR7047T
	5		AROEPR7057T

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





NC

Profile Diameter	Cuff Height(mm)	Type	Angle	Ref.C
Ø4.0	1	Octa	15°	AROAAON4115T
	2			AROAAON4215T
	3			AROAAON4315T
	4			AROAAON4415T
	5			AROAAON4515T
	1	Edge		AROAAEN4115T
	2			AROAAEN4215T
	3			AROAAEN4315T
	4			AROAAEN4415T
	5			AROAAEN4515T



NC

Profile Diameter	Cuff Height(mm)	Type	Angle	Ref.C
Ø4.0	1	Octa	25°	AROAAON4125T
	2			AROAAON4225T
	3			AROAAON4325T
	4			AROAAON4425T
	5			AROAAON4525T
	1	Edge		AROAAEN4125T
	2			AROAAEN4225T
	3			AROAAEN4325T
	4			AROAAEN4425T
	5			AROAAEN4525T



NC

Profile Diameter	Cuff Height(mm)	Type	Angle	Ref.C
Ø5.0	1	Octa	15°	AROAAON5115T
	2			AROAAON5215T
	3			AROAAON5315T
	4			AROAAON5415T
	5			AROAAON5515T
	1	Edge		AROAAEN5115T
	2			AROAAEN5215T
	3			AROAAEN5315T
	4			AROAAEN5415T
	5			AROAAEN5515T



NC

Profile Diameter	Cuff Height(mm)	Type	Angle	Ref.C
Ø5.0	1	Octa	25°	AROAAON5125T
	2			AROAAON5225T
	3			AROAAON5325T
	4			AROAAON5425T
	5			AROAAON5525T
	1	Edge		AROAAEN5125T
	2			AROAAEN5225T
	3			AROAAEN5325T
	4			AROAAEN5425T
	5			AROAAEN5525T



RC

Profile Diameter	Cuff Height(mm)	Type	Angle	Ref.C
Ø5.0	1	Octa	15°	AROAAOR5115T
	2			AROAAOR5215T
	3			AROAAOR5315T
	4			AROAAOR5415T
	5			AROAAOR5515T
	1	Edge		AROAAER5115T
	2			AROAAER5215T
	3			AROAAER5315T
	4			AROAAER5415T
	5			AROAAER5515T



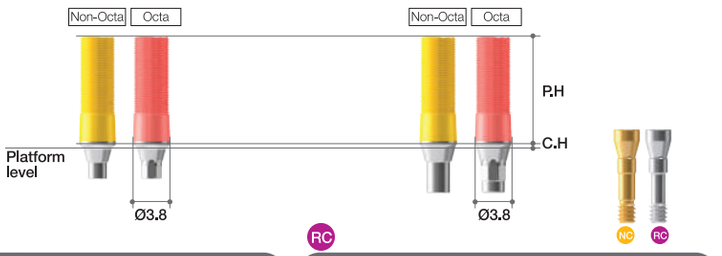
RC

Profile Diameter	Cuff Height(mm)	Type	Angle	Ref.C
Ø5.0	1	Octa	25°	AROAAOR5125T
	2			AROAAOR5225T
	3			AROAAOR5325T
	4			AROAAOR5425T
	5			AROAAOR5525T
	1	Edge		AROAAER5125T
	2			AROAAER5225T
	3			AROAAER5325T
	4			AROAAER5425T
	5			AROAAER5525T

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



NC

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

RC

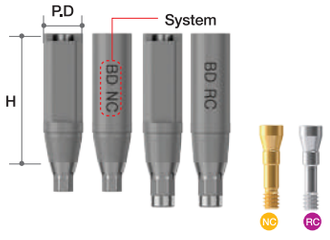
Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
Ø3.8	1	11	Octa	AROCCMRO4111T
			Non-Octa	AROCCMRN4111T

Scan Abutments

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

- For Chairside/ Labside
- Spare abutment screw included
- Surpporting 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

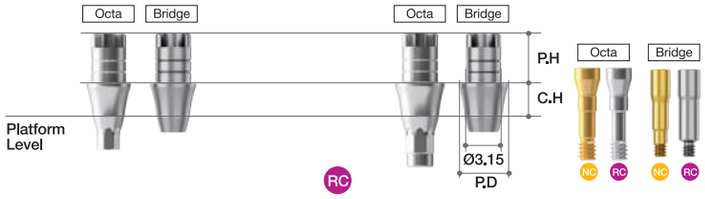


ZrGEN Abutments

- 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

Profile Diameter	Cuff Height (mm)	Post Height(mm)	Type	Ref.C
Ø4.0	0.6	4.5	Octa	AROZGN4015.MTN
	1.5			AROZGN4025.MTN
	3.0			AROZGN4035.MTN
	4.0			AROZGN4045.MTN
	0.6	6.0		AROZGN4016.MTN
	1.5			AROZGN4026.MTN
	3.0			AROZGN4036.MTN
	4.0			AROZGN4046.MTN
	0.6	8.0		AROZGN4018.MTN
	1.5			AROZGN4028.MTN
	3.0			AROZGN4038.MTN
	4.0			AROZGN4048.MTN
	0.6	4.5	Bridge	BDZGNB4015.MTN
	1.5			BDZGNB4025.MTN
	3.0			BDZGNB4035.MTN
	4.0			BDZGNB4045.MTN
	0.6	6.0		BDZGNB4016.MTN
	1.5			BDZGNB4026.MTN
	3.0			BDZGNB4036.MTN
	4.0			BDZGNB4046.MTN
	0.6	8.0		BDZGNB4018.MTN
	1.5			BDZGNB4028.MTN
	3.0			BDZGNB4038.MTN
	4.0			BDZGNB4048.MTN

RC

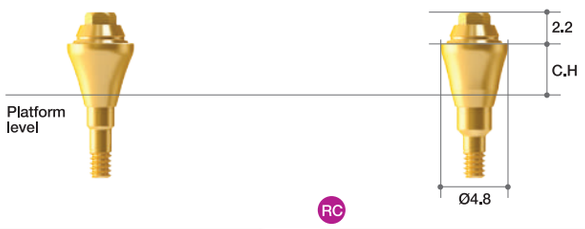
Profile Diameter	Cuff Height (mm)	Post Height(mm)	Type	Ref.C
Ø4.5	0.6	4.5	Octa	AROZGR4515.MTN
	1.5			AROZGR4525.MTN
	3.0			AROZGR4535.MTN
	4.0			AROZGR4545.MTN
	0.6	6.0		AROZGR4516.MTN
	1.5			AROZGR4526.MTN
	3.0			AROZGR4536.MTN
	4.0			AROZGR4546.MTN
	0.6	8.0		AROZGR4518.MTN
	1.5			AROZGR4528.MTN
	3.0			AROZGR4538.MTN
	4.0			AROZGR4548.MTN
	0.6	4.5	Bridge	BDZGRB4515.MTN
	1.5			BDZGRB4525.MTN
	3.0			BDZGRB4535.MTN
	4.0			BDZGRB4545.MTN
	0.6	6.0		BDZGRB4516.MTN
	1.5			BDZGRB4526.MTN
	3.0			BDZGRB4536.MTN
	4.0			BDZGRB4546.MTN
	0.6	8.0		BDZGRB4518.MTN
	1.5			BDZGRB4528.MTN
	3.0			BDZGRB4538.MTN
	4.0			BDZGRB4548.MTN

Multi-unit Abutment

Straight Multi-unit Abutment

- MUA Straight Carrier (MUASC) included

• Recommended torque: 35Ncm



NC

Cuff Height (mm)	Type	Ref.C
1.5	1-piece (M1.6)	MUAARONN0015C
2.5		MUAARONN0025C
3.5		MUAARONN0035C
4.5		MUAARONN0045C

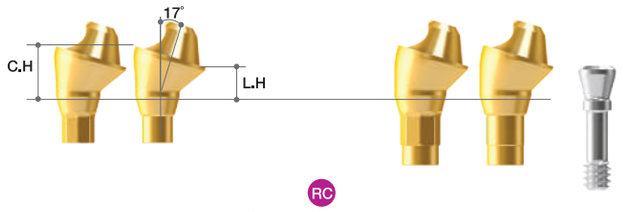
RC

Cuff Height (mm)	Type	Ref.C
1.5	1-piece (M1.6)	MUAARORN0015C
2.5		MUAARORN0025C
3.5		MUAARORN0035C
4.5		MUAARORN0045C

17° Multi-unit Angled Abutment

- 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
2.5 (1.1)	Non-Octa	MUAARONN1725TC
3.5 (2.1)		MUAARONN1735TC
4.5 (3.1)		MUAARONN1745TC

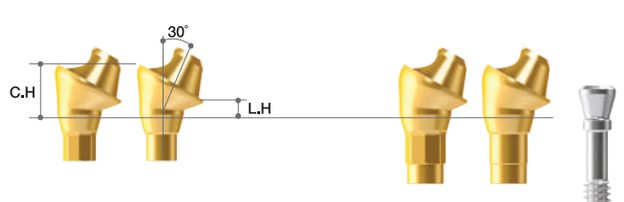
RC

Cuff Height (Labial) (mm)	Type	Ref.C
2.5 (1.1)	Octa	MUAARORO1725TC
3.5 (2.1)		MUAARORO1735TC
4.5 (3.1)		MUAARORO1745TC
2.5 (1.1)	Non-Octa	MUAARORN1725TC
3.5 (2.1)		MUAARORN1735TC
4.5 (3.1)		MUAARORN1745TC

30° Multi-unit Angled Abutment

- 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
3.5 (1.1)	Non-Octa	MUAARONN3035TC
4.5 (2.1)		MUAARONN3045TC

RC

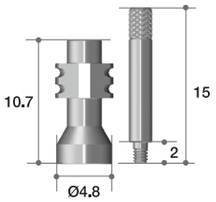
Cuff Height (Labial) (mm)	Type	Ref.C
3.5 (1.1)	Octa	MUAARORO3035TC
4.5 (2.1)		MUAARORO3045TC
3.5 (1.1)	Non-Octa	MUAARORN3035TC
4.5 (2.1)		MUAARORN3045TC

Impression Coping

(Pick-up)

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

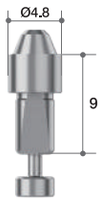
Connection	Ref.C
Non-Hex	MUAICT



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

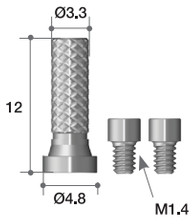


Temporary Cylinder

- 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	MUATCL

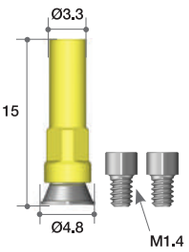


CCM Cylinder

- 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	MUACCML

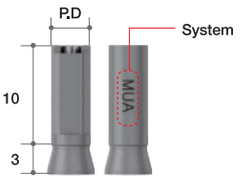


Scan Abutments

- Abutment Screw(SAMUAS) included

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

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

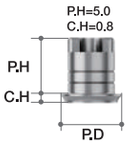


ZrGEN Abutments

- 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



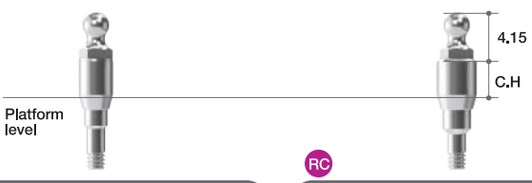
BLUEDIAMOND IMPLANT

Meg-Ball Overdenture System

Meg-Ball Abutment

- Angle compensation for one side 15° (both sides 30 °)
- Ø2.25 Ball shape

• Recommend torque : 35Ncm



NC

Cuff Height (mm)	Ref.C
0	MBARON00
1.0	MBARON10
2.0	MBARON20
3.0	MBARON30
4.0	MBARON40
5.0	MBARON50
6.0	MBARON60
7.0	MBARON70

RC

Cuff Height (mm)	Ref.C
0	MBAROR00
1.0	MBAROR10
2.0	MBAROR20
3.0	MBAROR30
4.0	MBAROR40
5.0	MBAROR50
6.0	MBAROR60
7.0	MBAROR70

Meg-Ball Package

- Composed of Meg-Ball Abutment/ Metal Housing Set/ Housing Positioner (0°,5°,10°,15°)





NC

Cuff Height (mm)	Ref.C
0	MBARON00P
1.0	MBARON10P
2.0	MBARON20P
3.0	MBARON30P
4.0	MBARON40P
5.0	MBARON50P
6.0	MBARON60P
7.0	MBARON70P

RC

Cuff Height (mm)	Ref.C
0	MBAROR00P
1.0	MBAROR10P
2.0	MBAROR20P
3.0	MBAROR30P
4.0	MBAROR40P
5.0	MBAROR50P
6.0	MBAROR60P
7.0	MBAROR70P

Meg-Ball Metal Housing Set

- 1 Metal Housing
- 1 Retentive Ring

Ref.C
MBHR



Ø5.0

Retentive Ring Set

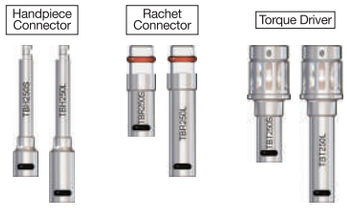
Quantity	Ref.C
5	MBR5
10	MBR10



Ball Driver

- For seating Ball Abutment in fixture
- Connects to Handpiece, Ratchet or Torque Wrench

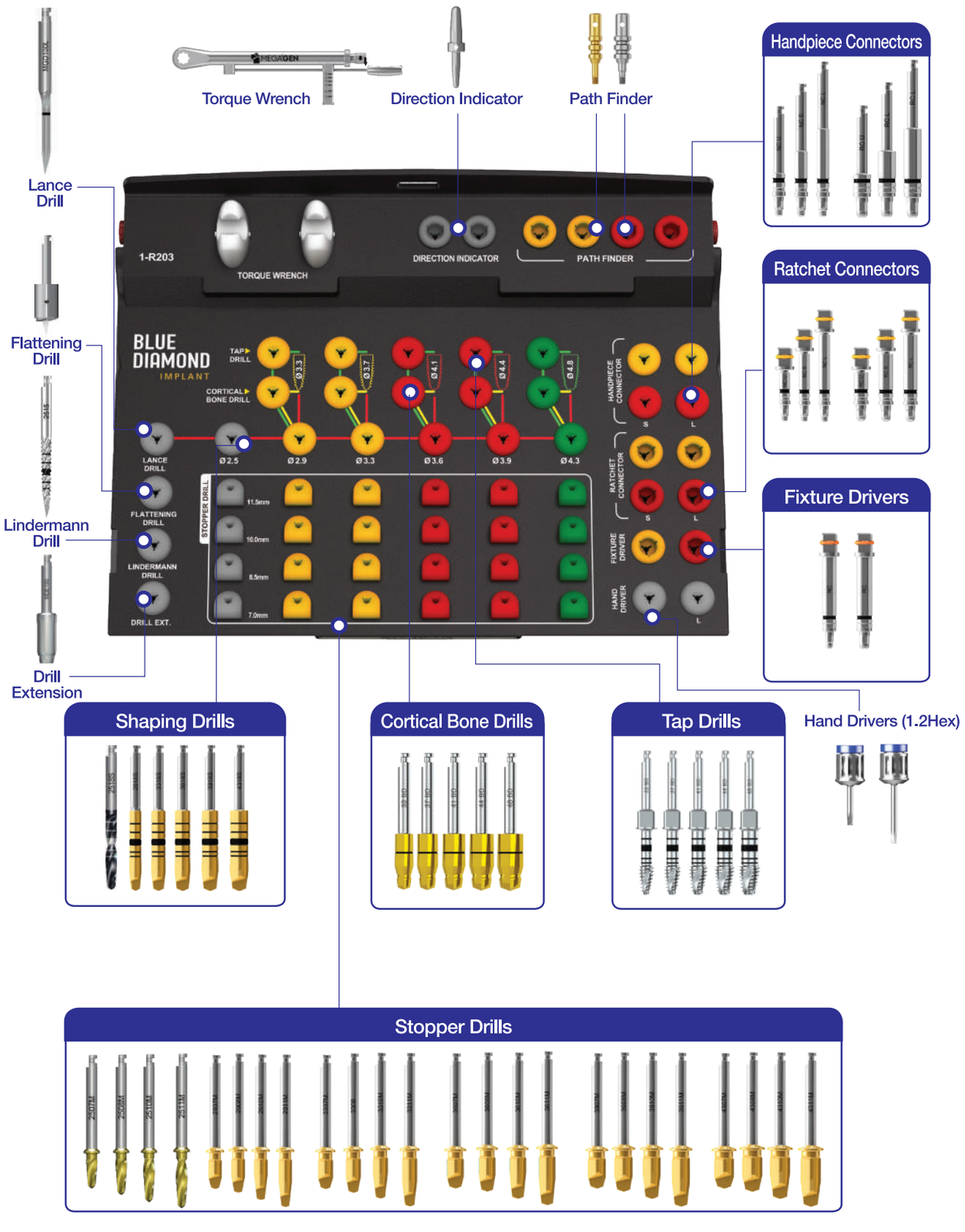
Type	Ref.c
Torque Driver(Short)	TBT250S
Torque Driver(Long)	TBT250L



I. Surgical Kit: Full Type

Ref.C

KARO3001



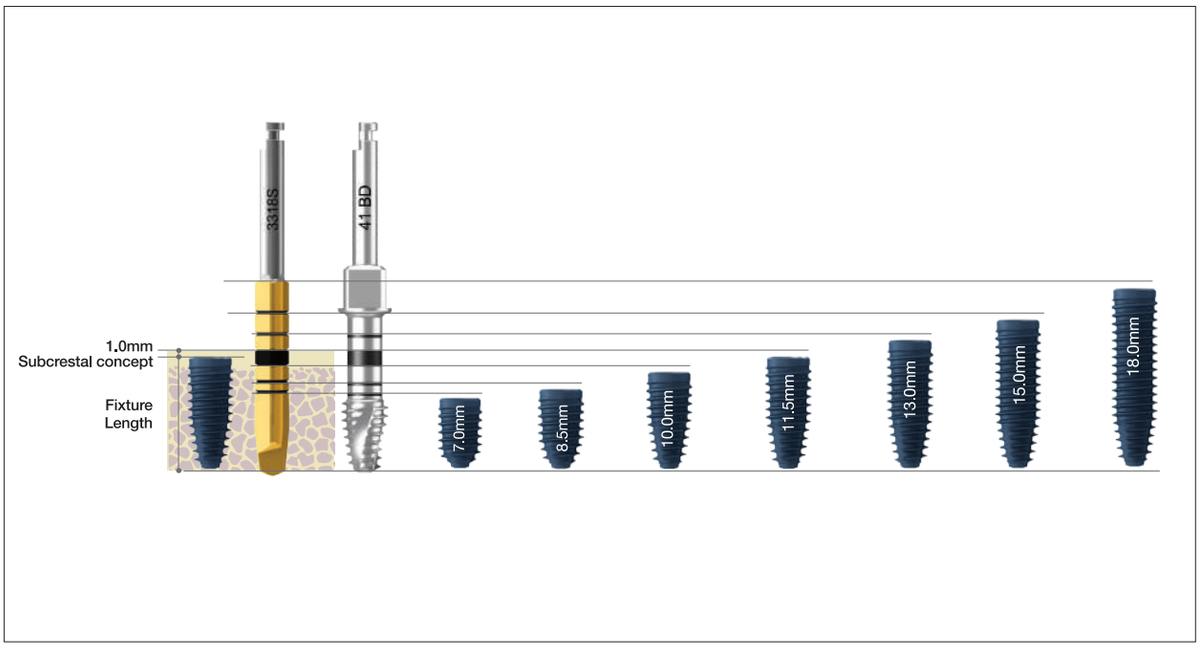
▸▸ Drilling Protocols (Continued)

- 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					

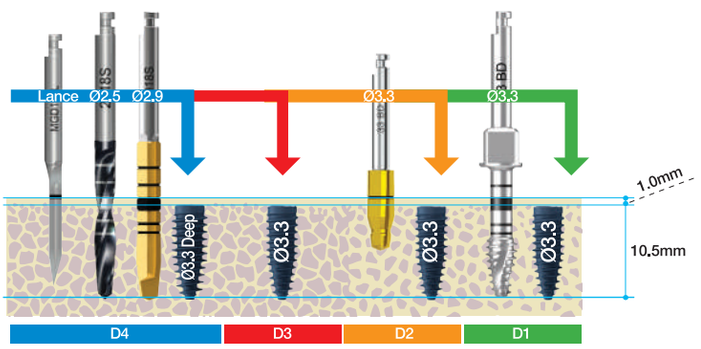
Standard Type | Full Type

▸▸ Drill Depth Guide



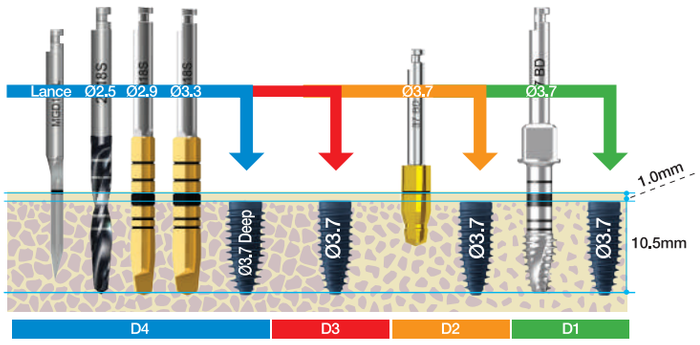
Ø3.3 Fixture
Drilling Sequence





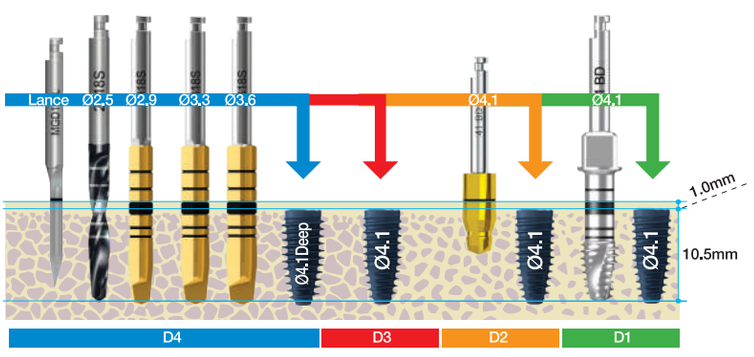
Ø3.7 Fixture
Drilling Sequence





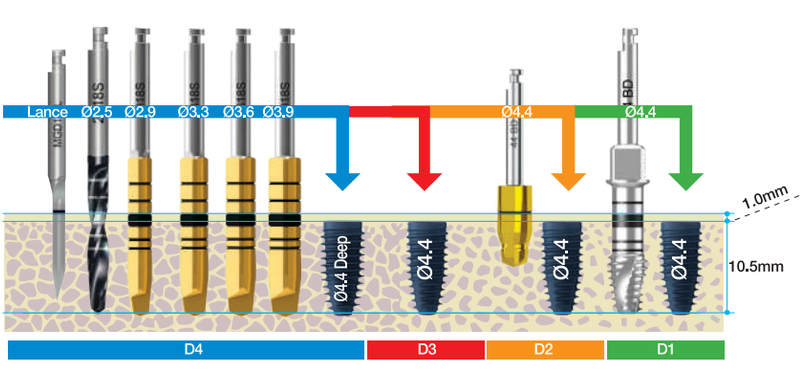
Ø4.1 Fixture
Drilling Sequence





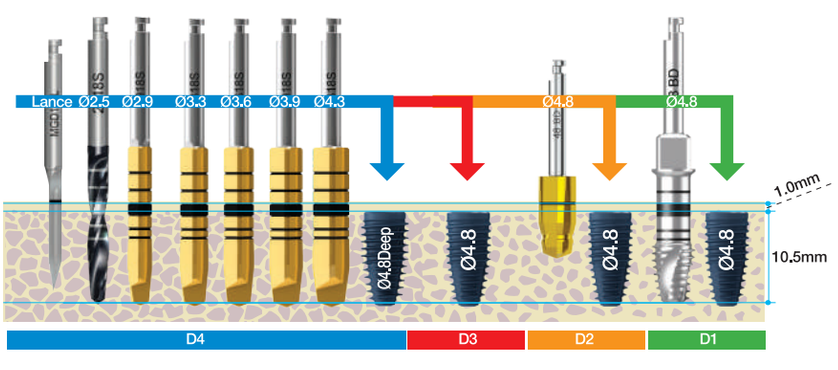
Ø4.4 Fixture
Drilling Sequence





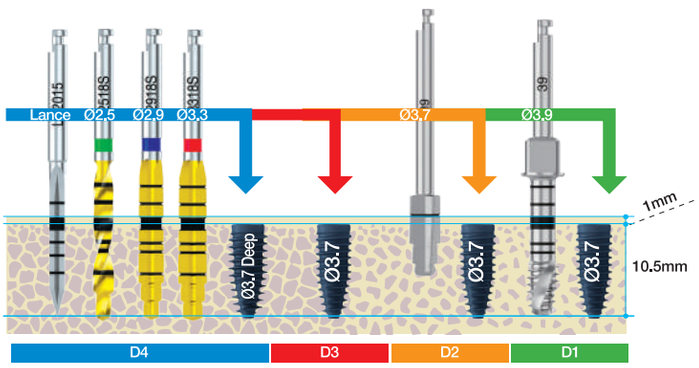
Ø4.8 Fixture
Drilling Sequence





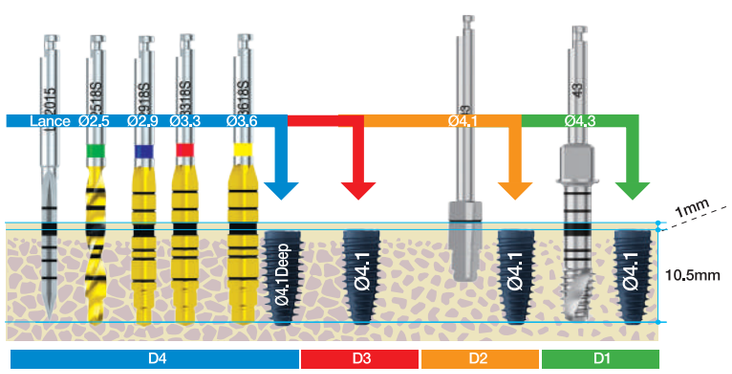
Ø3.7 Fixture
Drilling Sequence





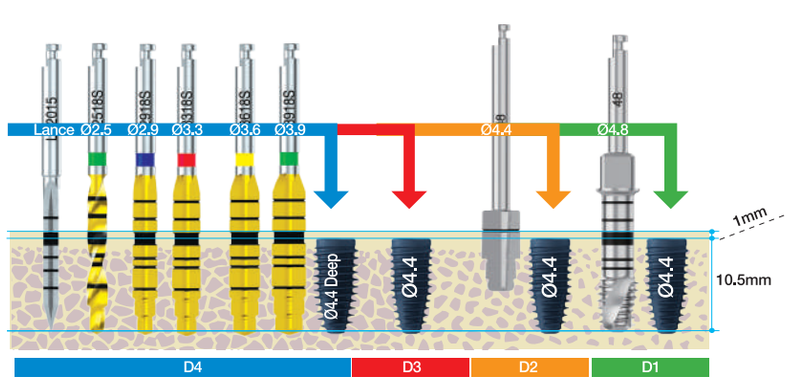
Ø4.1 Fixture
Drilling Sequence





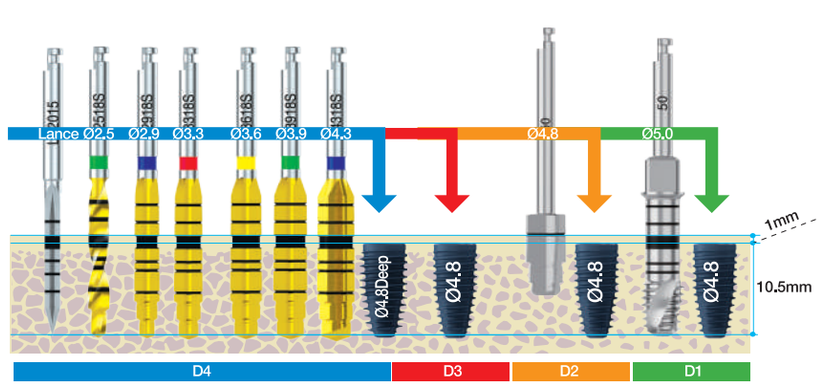
Ø4.4 Fixture
Drilling Sequence





Ø4.8 Fixture
Drilling Sequence





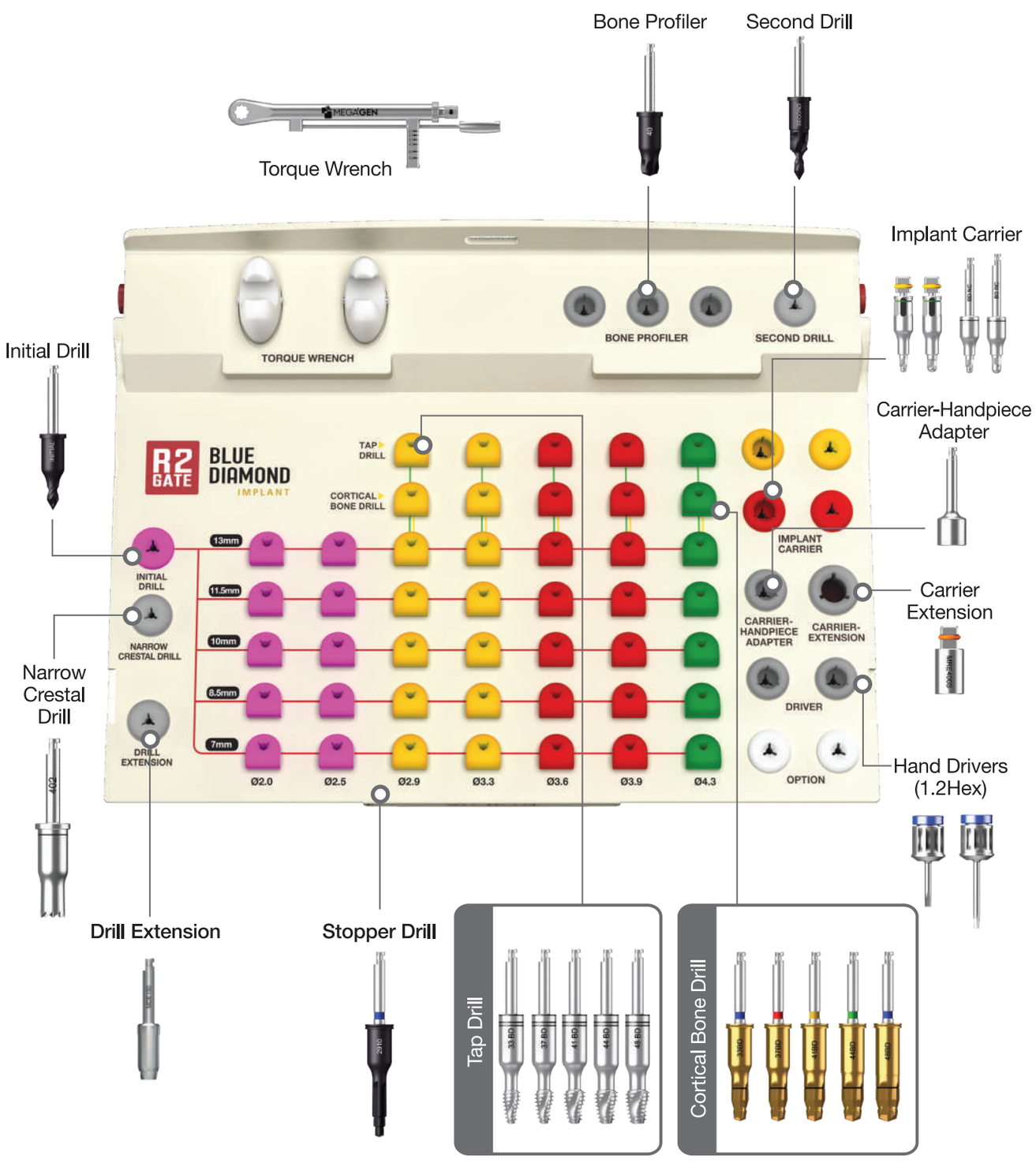
BLUEDIAMOND IMPLANT

II. BLUEDIAMOND R2 GUIDE Kit

Ref.C

KAGIN3002

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

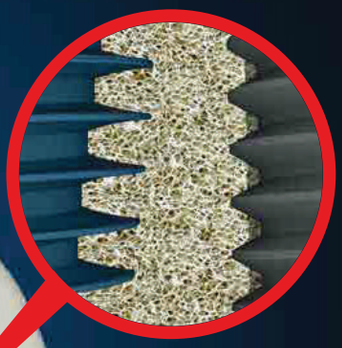


ANYONE®
by MEGAGEN

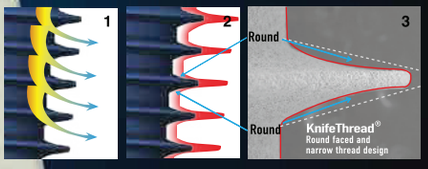
What is the fastest Integration time ?

Ask AnyOne®

HIGH INITIAL FIXATION!
KNIFETHREAD®

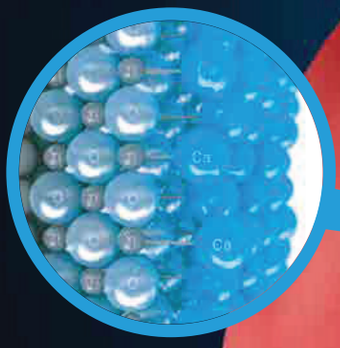


- Securement of initial stability with higher BIC
- Decentralize the stress on Cancellous bone
- Design that increases resistance and minimizes shearing force

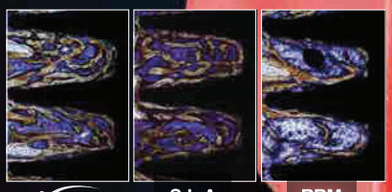


1. Stable dispersion of stress with Buttress Thread shape
2. Easier Insertion with Sharp Thread shape
3. Increase the surface area of the round side compared with the straight side.

XPEED® SURFACE TREATMENT
INDUCING RAPID OSSEOINTEGRATION



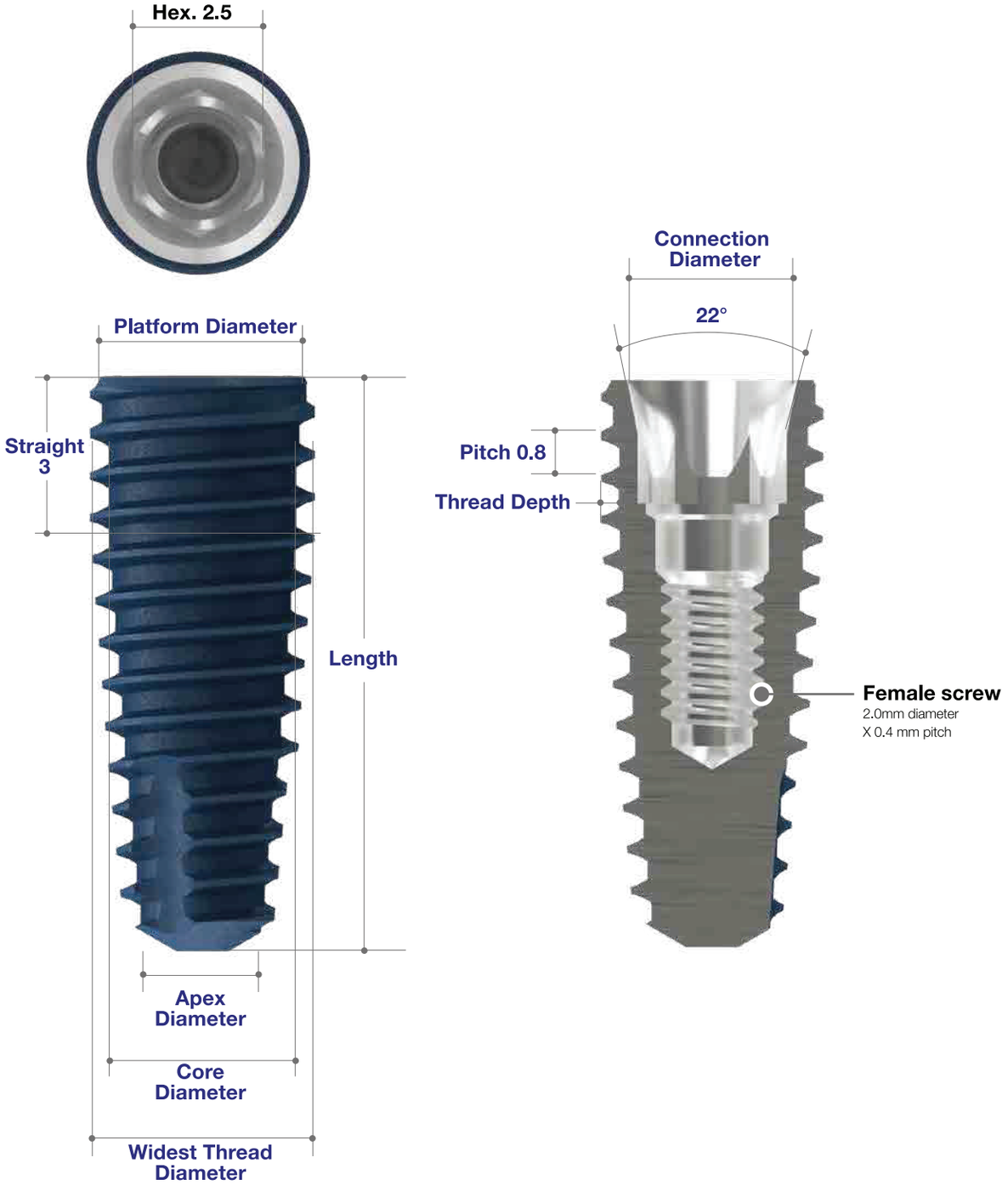
- Induction of faster and stronger Osseointegration by Ca^{2+} ion deposition on S-L-A surface
- Complete removal of acid residue by neutralization reaction during XPEED procedure.



XPEED Surface Treatment presents much faster & stronger Osseointegration than RBM or S-L-A

Fixture Product

Fixture Dimension



Regular Thread Ø3.5

- Cover Screw(cs) included

Diameter	Length(mm)	Ref.C
Ø3.5	7.0	IF3507C
	8.5	IF3508C
	10.0	IF3510C
	11.5	IF3511C
	13.0	IF3513C
	15.0	IF3515C



Regular Thread Ø4.0

- Cover Screw(cs) included

Diameter	Length(mm)	Ref.C
Ø4.0	7.0	IF4007C
	8.5	IF4008C
	10.0	IF4010C
	11.5	IF4011C
	13.0	IF4013C
	15.0	IF4015C



Regular Thread Ø4.5

- Cover Screw(cs) included

Diameter	Length(mm)	Ref.C
Ø4.5	7.0	IF4507C
	8.5	IF4508C
	10.0	IF4510C
	11.5	IF4511C
	13.0	IF4513C
	15.0	IF4515C



Regular Thread Ø5.0

- Cover Screw(cs) included

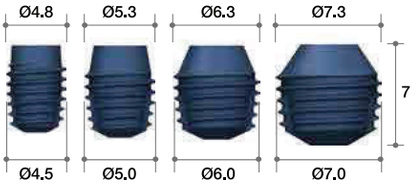
Diameter	Length(mm)	Ref.C
Ø5.0	7.0	IF5007C
	8.5	IF5008C
	10.0	IF5010C
	11.5	IF5011C
	13.0	IF5013C
	15.0	IF5015C



Special Length

- Cover Screw(cs) included

Diameter(mm)	Length(mm)	Ref.C
Ø4.5	7.0	IF4507SC
Ø5.0		IF5007SC
Ø6.0		IF6007SC
Ø7.0		IF7007SC



ST™
by MEGA'GEN

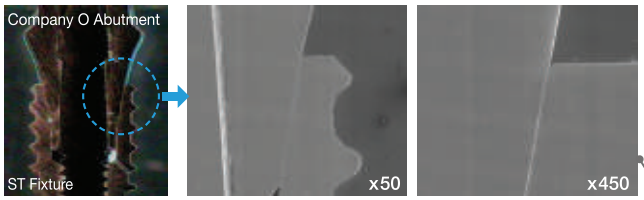


Characteristics & Advantages

Features

AnyRidge® technology maintains
100% compatibility with existing systems

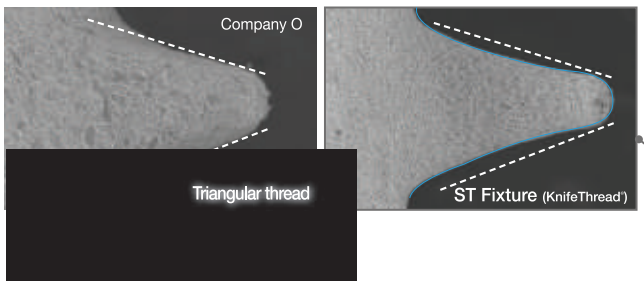
More economical
11° internal connection with high compatibility



Precision Fitting Test

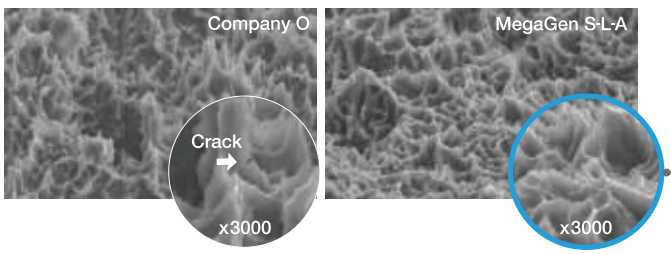
KnifeThread® is added to Double Thread

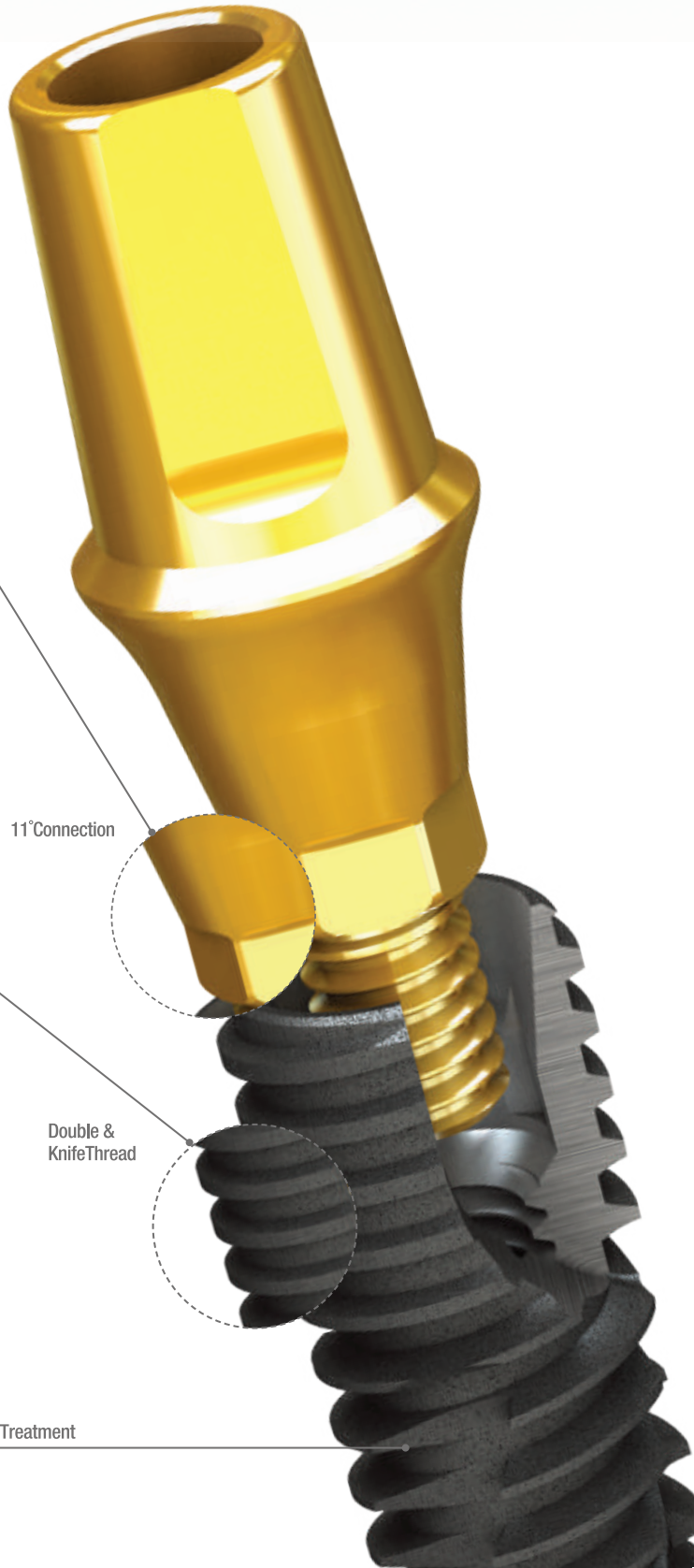
Thread design is very important for surgery as well as threading. The KnifeThread® of ST™ system has powerful self-threading capability that ensures initial stability, heightens resistance to compressive force, and minimizes the occurrence of shear force, leading to excellent load distribution.



S-L-A surface treatment based on advanced technology

- S-L-A surface morphology combines macro & micro roughness via blasting & etching processes
- Proven to be safer, as sharp edges can crack & become foreign objects during implant placement
- Superior bone formation capability

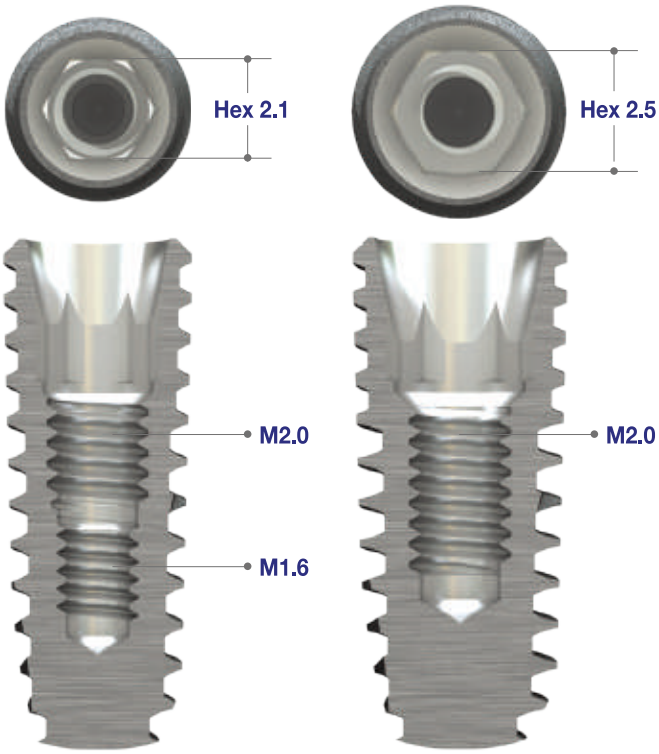




Fixture Product
Dimensions

Platform Diameter & Female Screw

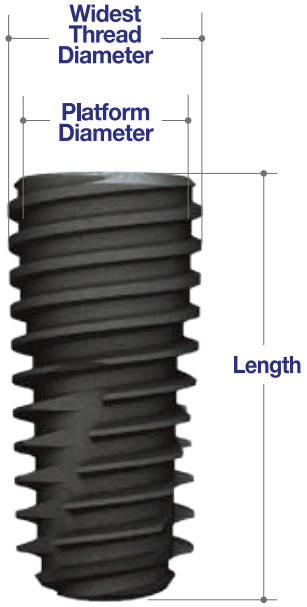
Type	Diameter	Hex(mm)	Thread
Mini	Ø3.5	2.1	M1.6 (M2.0)
Regular	Ø4.0	2.5	M2.0
	Ø4.5		
	Ø5.0		



[Ø3.5] [Ø4.0, Ø4.5, Ø5.0]

Fixture Size Variation

Diameter	Widest thread Diameter	Length(mm)	Platform Diameter
Ø3.5	Ø3.7	8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø3.1
Ø4.0	Ø4.2	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø3.6
Ø4.5	Ø4.6	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø4.0
Ø5.0	Ø5.1	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø4.5



Sizes

Mini Ø3.5

- Cover Screw (STCSS) included

Diameter	Length(mm)	Ref.C
Ø3.5	8.5	ST3508C
	10.0	ST3510C
	11.5	ST3511C
	13.0	ST3513C
	15.0	ST3515C



Regular Ø4.0

- Cover Screw (STCSR) included

Diameter	Length(mm)	Ref.C
Ø4.0	7.0	ST4007C
	8.5	ST4008C
	10.0	ST4010C
	11.5	ST4011C
	13.0	ST4013C
	15.0	ST4015C



Regular Ø4.5

- Cover Screw (STCSR) included

Diameter	Length(mm)	Ref.C
Ø4.5	7.0	ST4507C
	8.5	ST4508C
	10.0	ST4510C
	11.5	ST4511C
	13.0	ST4513C
	15.0	ST4515C



Regular Ø5.0

- Cover Screw (STCSR) included

Diameter	Length(mm)	Ref.C
Ø5.0	7.0	ST5007C
	8.5	ST5008C
	10.0	ST5010C
	11.5	ST5011C
	13.0	ST5013C
	15.0	ST5015C



Soft Bone

Deep threads are designed to provide stronger initilal stability, especially in soft bone. (Ø4.0, Ø4.5, Ø5.0)

- **Deep Thread**

Diameter	Widest thread Diameter	Length(mm)	Platform Diameter
Ø4.0	Ø4.6	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø3.6
Ø4.5	Ø5.1	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø4.0
Ø5.0	Ø5.6	7.0 / 8.5 / 10.0 / 11.5 / 13.0 / 15.0	Ø4.5



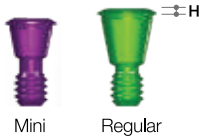
Cover Screw & Healing Abutment

Cover Screw

* Included in fixture package

- Hand driver (1.2 Hex) is used
- Used for submerged-type surgery
- Internal structure of fixture
- Recommended torque: by hand (5 - 8Ncm)

Height (mm)	Type	Ref.C
0.4	Mini	STCSS
	Regular	STCSR



Healing Abutment

- Hand Driver (1.2 Hex) is used
- Used for submerged-type surgery or two-stage surgery
- Various diameters & heights for different cases
- Forms appropriate emergence profile during gingival healing
- Recommended torque: by hand (5 - 8Ncm)

Diameter	Type	Height(mm)	Ref.C
Ø4.0	Mini	3.0	STHA403M
		4.0	STHA404M
		5.0	STHA405M
		7.0	STHA407M
		9.0	STHA409M
Ø4.5	Mini	3.0	STHA453M
		4.0	STHA454M
		5.0	STHA455M
		7.0	STHA457M
		9.0	STHA459M
Ø4.0	Regular	3.0	STHA403R
		4.0	STHA404R
		5.0	STHA405R
		7.0	STHA407R
		9.0	STHA409R
Ø4.5	Regular	3.0	STHA453R
		4.0	STHA454R
		5.0	STHA455R
		7.0	STHA457R
		9.0	STHA459R
Ø5.0	Regular	3.0	STHA503R
		4.0	STHA504R
		5.0	STHA505R
		7.0	STHA507R
		9.0	STHA509R
Ø6.0	Regular	3.0	STHA603R
		4.0	STHA604R
		5.0	STHA605R
		7.0	STHA607R
		9.0	STHA609R
Ø7.0	Regular	3.0	STHA703R
		4.0	STHA704R
		5.0	STHA705R
		7.0	STHA707R
		9.0	STHA709R



All in one package

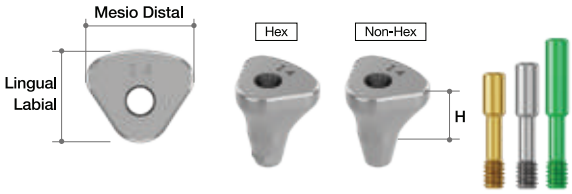
(Anatomic type)

Height (mm)	Connection	Ref.C
4	Hex	C-AHAO04HP
	Non-Hex	C-AHAO04NP
5	Hex	C-AHAO05HP
	Non-Hex	C-AHAO05NP
7	Hex	C-AHAO07HP
	Non-Hex	C-AHAO07NP

Healing Abutment

(Anatomic type)

- Use with a Hand Driver(1.2 Hex).
- Abutment Screw inclued.H=4 AOHAS2004/ H=5 AOHAS2005/ H=7 AOHAS2007
- Used for non-submerged type surgery or for two stage surgery.
- Choose appropriate diameter and height of Healing Abutment according to situation.
- Helps to form suitable emergence profile during period of gingival healing.
- Recommend torque : by hand (5 - 8Ncm)



Type	MD (mm)	LL (mm)	Position No.	Height (mm)	Connection		Ref.C
Incisor	4.0	5.0	I1	4	Regular	Hex	AOHI40504T
				5			AOHI40505T
				7			AOHI40507T
	4.5	4.5	I2	4			AOHI45454T
				5			AOHI45455T
				7			AOHI45457T
	6.0	5.0	I3	4			AOHI60504T
				5			AOHI60505T
				7			AOHI60507T
	7.0	6.0	I4	4			AOHI70604T
				5			AOHI70605T
				7			AOHI70607T
	4.0	5.0	I1	4		Non-Hex	AOHI40504NT
				5			AOHI40505NT
				7			AOHI40507NT
	4.5	4.5	I2	4			AOHI45454NT
				5			AOHI45455NT
				7			AOHI45457NT
	6.0	5.0	I3	4			AOHI60504NT
				5			AOHI60505NT
				7			AOHI60507NT
	7.0	6.0	I4	4			AOHI70604NT
				5			AOHI70605NT
				7			AOHI70607NT

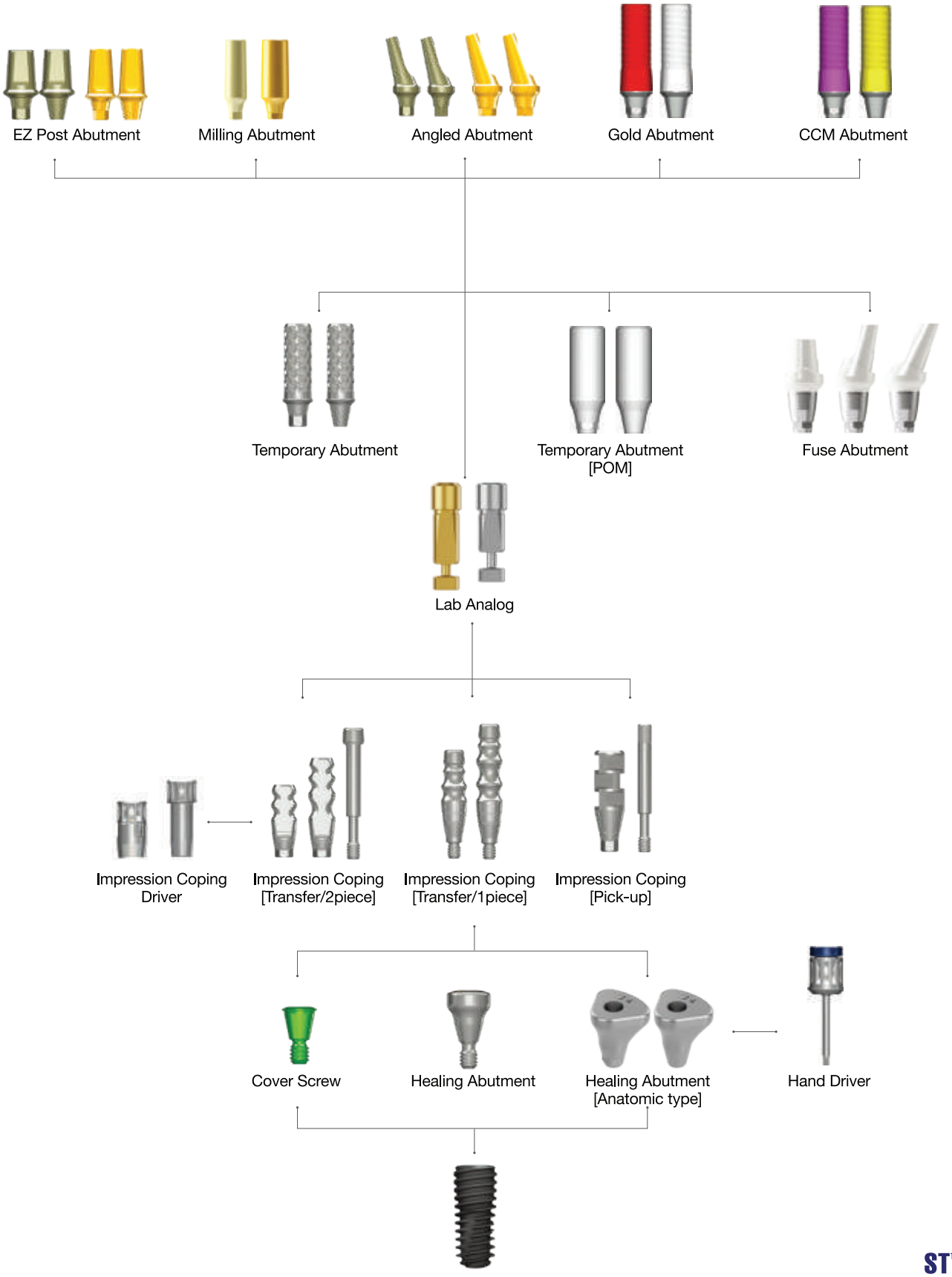


Type	MD (mm)	LB (mm)	Position No.	Height (mm)	Connection		Ref.C
Canine	5.0	6.5	C1	4	Regular	Hex	AOHC50654T
				5			AOHC50655T
				7			AOHC50657T
	5.0	6.5	C1	4		Non-Hex	AOHC50654NT
				5			AOHC50655NT
				7			AOHC50657NT



Type	MD (mm)	LB (mm)	Position No.	Height (mm)	Connection		Ref.C
Pre-Molar	4.5	6.0	P1	4	Regular	Hex	AOHM45604T
				5			AOHM45605T
				7			AOHM45607T
	5.0	7.0	P2	4			AOHM50704T
				5			AOHM50705T
				7			AOHM50707T
	4.5	6.0	P1	4		Non-Hex	AOHM45604NT
				5			AOHM45605NT
				7			AOHM45607NT
	5.0	7.0	P2	4			AOHM50704NT
				5			AOHM50705NT
				7			AOHM50707NT

Abutment & Prosthetic Options



➲ Analog Option

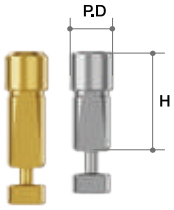
Analog

- Analog Screw(ALS18) included.

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



System		Profile Diameter	Height (mm)	Ref.C
ST	Mini	Ø4.0	10.5	STIALMT
	Regular	Ø4.0	9	STIALRT

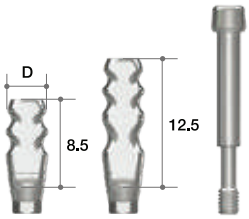


Impression Coping
(2-piece, Transfer Type)
(For closed-Tray Technique)

- Guide Pins : STTIG1611/ STTIG1615/ STTIG2011/ STTIG2015

- For use with Closed-tray techniqueAnti-rotation grooves are aligned with fixture hex direction
- Should be tightened with Impression Coping Driver
- Special impression coping screw which can be used with a 1.2mm hex driver is available on request.

Diameter	Type	Connection	Height (mm)	Ref.C
Ø4.0	2-piece	Mini	11	STTIM4011T
			15	STTIM4015T
Ø4.5			11	STTIM4511T
			15	STTIM4515T
Ø4.0		Regular	11	STTIS4011T
			15	STTIS4015T
Ø4.5			11	STTIS4511T
			15	STTIS4515T
Ø5.0			11	STTIS5011T
			15	STTIS5015T
Ø6.0			11	STTIS6011T
			15	STTIS6015T
Ø7.0			11	STTIS7011T
			15	STTIS7015T

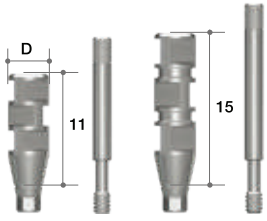


Impression Coping
(2-piece, Pick-up Type)
(For closed-Tray Technique)

- Guide Pins : STPIG1611(Mini / 11mm), STPIG1615(Mini/ 15mm), STPIG2011(Regular/11mm), STPIG2015(Regular/15mm) are included.

- Accurate impression-taking due to square structure
- Designed for easy & accurate impression-taking

Diameter	Type	Connection		Height(mm)	Ref.C
Ø4.0	2-piece	Mini	Hex	11	STPIM4011T
				15	STPIM4015T
Ø4.5			Hex	11	STPIM4511T
				15	STPIM4515T
Ø4.0		Regular	Hex	11	STPIS4011T
				15	STPIS4015T
Ø4.5			Hex	11	STPIS4511T
				15	STPIS4515T
Ø5.0			Hex	11	STPIS5011T
				15	STPIS5015T

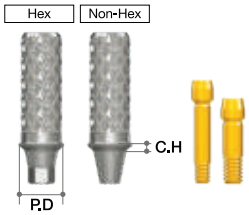


Temporary Abutment

- Abutment Screw is included
  (Mini: STABSM / Regular: STABSS)

- To fabricate provisional restorations post area is designed to increase adhesive property of resin.
- Recommended torque: Mini 20Ncm/ Regular 25Ncm

Profile Diameter	Connection		Cuff Height(mm)	Ref.C
Ø4.0	Mini	Hex	1	STTA4010T
			3	STTA4030T
		Non-Hex	1	STTA4010NT
			3	STTA4030NT
Ø4.5	Regular	Hex	1	STTA4510T
			3	STTA4530T
		Non-Hex	1	STTA4510NT
			3	STTA4530NT

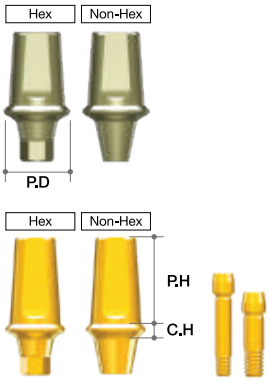


EZ Post Abutment

- Abutment Screw is included.
  (MiNi : STABSM / Regular : STABSS)

For cement-retained restoration:
- Post heights: 4.0, 5.5, 7.0mm
- Profile diameters: Ø4.5, Ø5.0, Ø6.0, Ø7.0
- Cuff heights: 1, 2, 3, 4, 5mm
- Aesthetic appearance realized via anodizing
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm

Profile eter	Connection		Cuff Height(mm)	Post Height(mm)	Ref.C
Ø 45	Mini	Hex	1	7.0	STEA4711T
			2		STEA4721T
			3		STEA4731T
			4		STEA4741T
			5		STEA4751T
Ø4.5	Regular	Hex	1	7.0	STEAS4711T
			2		STEAS4721T
			3		STEAS4731T
			4		STEAS4741T
			5		STEAS4751T
Ø5.0	Regular	Hex	1	7.0	STEA5710T
			2		STEA5720T
			3		STEA5730T
			4		STEA5740T
			5		STEA5750T

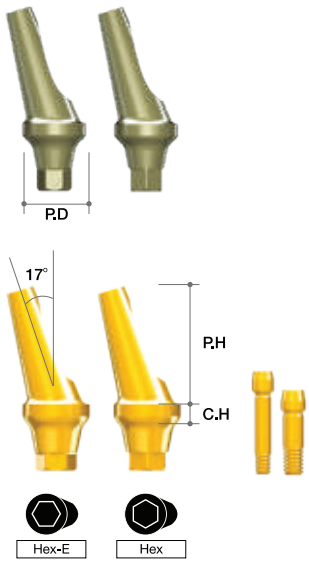


Angled Abutment

- Abutment Screw is included
  (MiNi : STABSM / Regular : STABSS)

- Only one angle available: 17°
- Various diameters: Ø4.5, 5.0, 6.0
- Various cuff heights: 2mm, 4mm
- Covers 12 different angles (Hex, Hex-E)
- Aesthetic appearance realized via anodizing
- More convenient to use as milling area is widened by minimizing screw head height
- Recommended torque: Mini / 20Ncm, Regular / 30Ncm

Profile eter	Connection		Cuff Height(mm)	Post Height(mm)	Ref.C
Ø4.5	Mini	Hex-E	2	8	STAA4520MAT
			4		STAA4540MAT
		Hex	2		STAA4520MBT
			4		STAA4540MBT
Ø4.5	Regular	Hex-E	2		STAA4520AT
			4		STAA4540AT
		Hex	2		STAA4520BT
			4		STAA4540BT
Ø5.0		Hex-E	2		STAA5020AT
			4		STAA5040AT
		Hex	2		STAA5020BT
			4		STAA5040BT



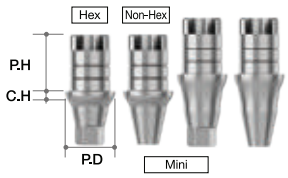
➲ ZrGEN Abutment Option (Continued)

ZrGEN Abutment

- Abutment Screw included.
  - ✓ ST Mini (OSGSAS3110)
  - ✓ ST Regular (OSGSAS3210)
  - ✓ Octa Level (IRCS200)
  - ✓ MUA Level (MUAS)
- Titanium Base
- 1 set consists of 10 Abutments.
  - included spare Abutment Screw
  - MiNi ZrGEN has special abutment screw (Available only in ZrGEN Abutment)
- Supporting DentalCAD
  - 3 Shape
  - exocad
- - Dental Wing
- Post Height can be checked by the number of Groove.
  - Post Height : 4.5mm Groove : 2ea
  - Post Height : 5mm Groove : 3ea
  - Post Height : 6mm Groove : 4ea
  - Post Height : 8mm Groove : 6ea
- Recommend torque
  - 30Ncm : ST (Regular)
  - 20Ncm : ST (Mini)
  - 35Ncm : Octa Level
  - 15Ncm : MUA Level

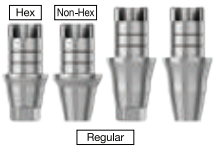
Standard

System		Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
ST	Mini	Ø4.0	0.6	4.5	Hex	OSGSPA3111.MTN
				6		OSGSPA3112.MTN
				8		OSGSPA3113.MTN
			1.5	4.5		OSGSPA3121.MTN
				6		OSGSPA3122.MTN
				8		OSGSPA3123.MTN
			3.0	4.5		OSGSPA3131.MTN
				6		OSGSPA3132.MTN
				8		OSGSPA3133.MTN
			4.0	4.5		OSGSPA3141.MTN
				6		OSGSPA3142.MTN
				8		OSGSPA3143.MTN
			0.6	4.5	Non-Hex	OSGSPA3111N.MTN
				6		OSGSPA3112N.MTN
				8		OSGSPA3113N.MTN
			1.5	4.5		OSGSPA3121N.MTN
				6		OSGSPA3122N.MTN
				8		OSGSPA3123N.MTN
			3.0	4.5		OSGSPA3131N.MTN
				6		OSGSPA3132N.MTN
				8		OSGSPA3133N.MTN
			4.0	4.5		OSGSPA3141N.MTN
				6		OSGSPA3142N.MTN
				8		OSGSPA3143N.MTN



System		Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
Regular		Ø4.0	0.6	4.5	Hex	OSGSPA3211.MTN
				6		OSGSPA3212.MTN
				8		OSGSPA4018.MTN
			1.5	4.5		OSGSPA4025.MTN
				6		OSGSPA4026.MTN
				8		OSGSPA4028.MTN
			3.0	4.5		OSGSPA4035.MTN
				6		OSGSPA4036.MTN
				8		OSGSPA4038.MTN
			4.0	4.5		OSGSPA4045.MTN
				6		OSGSPA4046.MTN
				8		OSGSPA4048.MTN
			0.6	4.5	Non-Hex	OSGSPA3211N.MTN
				6		OSGSPA3212N.MTN
				8		OSGSPA4018N.MTN
			1.5	4.5		OSGSPA4025N.MTN
				6		OSGSPA4026N.MTN
				8		OSGSPA4028N.MTN
			3.0	4.5		OSGSPA4035N.MTN
				6		OSGSPA4036N.MTN
				8		OSGSPA4038N.MTN
			4.0	4.5		OSGSPA4045N.MTN
				6		OSGSPA4046N.MTN
				8		OSGSPA4048N.MTN

System		Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
ST	Regular	Ø4.5	0.6	4.5	Hex	OSGSPA4515.MTN
				6		OSGSPA4516.MTN
				8		OSGSPA4518.MTN
			1.5	4.5		OSGSPA3221.MTN
				6		OSGSPA3222.MTN
				8		OSGSPA4528.MTN
			3.0	4.5		OSGSPA4535.MTN
				6		OSGSPA4536.MTN
				8		OSGSPA4538.MTN
			4.0	4.5		OSGSPA4545.MTN
				6		OSGSPA4546.MTN
				8		OSGSPA4548.MTN
			0.6	4.5	Non-Hex	OSGSPA4515N.MTN
				6		OSGSPA4516N.MTN
				8		OSGSPA4518N.MTN
			1.5	4.5		OSGSPA3221N.MTN
				6		OSGSPA3222N.MTN
				8		OSGSPA4528N.MTN
			3.0	4.5		OSGSPA4535N.MTN
				6		OSGSPA4536N.MTN
				8		OSGSPA4538N.MTN
			4.0	4.5		OSGSPA4545N.MTN
				6		OSGSPA4546N.MTN
				8		OSGSPA4548N.MTN



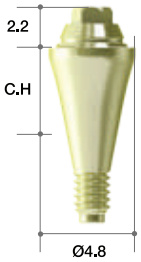
Multi-unit Abutment

Multi-unit Abutment - Straight

- MUA Straight Carrier (MUASC) included

- Regular: Compatible with AnyOne Internal System
- Recommend torque : Mini / 25Ncm, Regular / 35Ncm
- Mini Connection : Coming Soon

Cuff Height (mm)	Connection	Type	Ref.C
1.5	Mini	1-piece (M2)	MUASTMN0015C
2.5			MUASTMN0025C
3.5			MUASTMN0035C
4.5			MUASTMN0045C
1.5	Regular		MUAAON0015C
2.5			MUAAON0025C
3.5			MUAAON0035C
4.5			MUAAON0045C

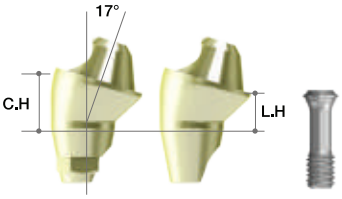


Multi-unit Angled Abutment - 17°

- MUA Screw (MUAAOS) included
- MUA Angled Carrier (MUAAC) included

- Recommend torque : Mini / 25Ncm, Regular / 25Ncm
- Mini Connection : Coming Soon

Cuff Height (Labial) (mm)	Connection		Ref.C
2.5 (1.1)	Mini	Hex	MUASTMH1725TC
3.5 (2.1)			MUASTMH1735TC
4.5 (3.1)			MUASTMH1745TC
2.5 (1.1)		Non-Hex	MUASTMN1725TC
3.5 (2.1)			MUASTMN1735TC
4.5 (3.1)			MUASTMN1745TC
2.5 (1.1)	Regular	Hex	MUAAOH1725TC
3.5 (2.1)			MUAAOH1735TC
4.5 (3.1)			MUAAOH1745TC
2.5 (1.1)		Non-Hex	MUAAON1725TC
3.5 (2.1)			MUAAON1735TC
4.5 (3.1)			MUAAON1745TC

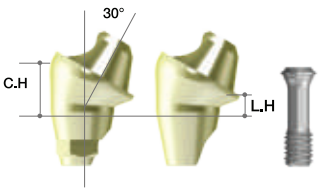


Multi-unit Angled Abutment - 30°

- MUA Screw (MUAAOS) included
- MUA Angled Carrier (MUAAC) included

- Recommend torque : Mini / 25Ncm, Regular / 25Ncm
- Mini Connection : Coming Soon

Cuff Height (Labial) (mm)	Connection		Ref.C
3.5 (1.1)	Mini	Hex	MUASTMH3035TC
4.5 (2.1)			MUASTMH3045TC
3.5 (1.1)		Non-Hex	MUASTMN3035TC
4.5 (2.1)			MUASTMN3045TC
3.5 (1.1)	Regular	Hex	MUAAOH3035TC
4.5 (2.1)			MUAAOH3045TC
3.5 (1.1)		Non-Hex	MUAAON3035TC
4.5 (2.1)			MUAAON3045TC



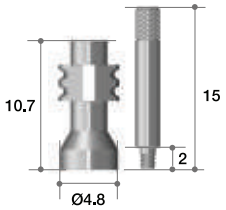
➲ Components for Multi-unit Abutment (Continued)

Impression Coping

(Pick-up)

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

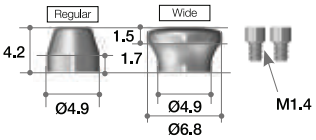
Connection	Ref.C
Non-Hex	MUAICT



Healing Cap

- Cylinder Screw (MUAS) 2ea included
- The size of healing cap can be selected depending on soft tissue volume or type of restorations.

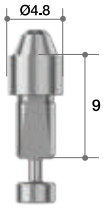
Type	Ref.C
Regular	MUAHCL
Wide	MUAHCWL



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

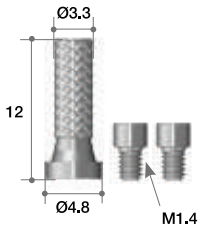


Temporary Cylinder

- 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	MUATCL

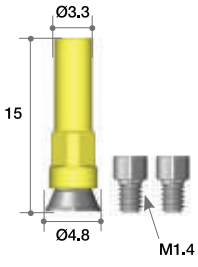


CCM Cylinder

- 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	MUACCML

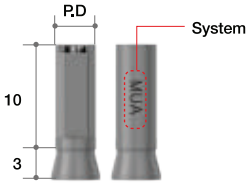


Scan Abutments

- Abutment Screw(SAMUAS) included

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

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

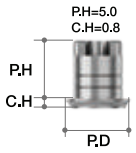


ZrGEN Abutments

- 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

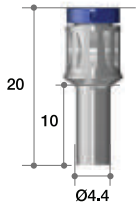
Profile Diameter	Cuff Height (mm)	Post Height (mm)	Type	Ref.C
Ø5.5	0.8	5	N Type	AMUAPR5515N.MTN
		6		AMUAPR5516N.MTN
		8		AMUAPR5518N.MTN



Multi-unit Driver

- Use to torque straight type Multi-unit Abutments.
- Use with a torque wrench **(ref code: MTW300A)**

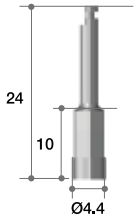
Hex	Length	Ref.C
2.0	10	MUD10



Right Angle Driver

- Use to torque straight type Multi-unit Abutments.
- Use with latch-type handpiece.
- Use with Meg-TORQ **(ref code: MEG_TORQ)**

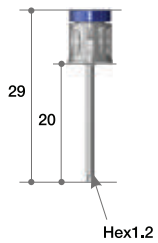
Hex	Length	Ref.C
2.0	10	MURAD10



Hand Driver

- Use for abutment screw with 1.2 hex hole.
- Use up to 15° divergent.
- It should use under 30Ncm torque.

Hex	Length	Ref.C
1.2	20	MUHD1220



Meg-Ball Abutment & Components



Meg-Ball

Smallest housing, retentive ring with longer life!
Even when the implant angle is not parallel, a stable denture can still be produced!

Compatible with other products with Ø2.25 head size, minimized patient incon venience due to small-size housing, simpler to arrange artificial teeth as space occupied by denture is reduced, and easier to maintain than other systems.
Retentive ring has a high elasticity, abrasion resistance, and durability, thereby doubling the length of life when compared to a silicone O-ring and guaranteeing a longer life than NBR products.
Positioner (0/5/10/15 degrees) maintains parallel housing direction, even with dis torted implant placement angle, ensuring denture stability.

▸▸ Meg-Ball Overdenture System

Advantages	
Easy compatibility	 Ø2.25 head size for easy compatibility with other products
Smallest Housing	 Metal Housing — Small housing minimizes patient inconvenience, facilitates arrangement of artificial teeth by reducing space occupied by denture, and is easier to maintain than other systems.
Double length of life	 Retentive Ring — High elasticity, abrasion resistance, and durability doubles the length of life when compared with silicone O-ring and guarantees longer life than NBR products.
Stable denture even when implant placement angle is distorted	Positioner (0/5/10/15 degrees) maintains parallel housing direction even when angle of implant placement is distorted, ensuring denture stability  0° 5° 10° 15°
Tilting Angle	

➲ Meg-Ball Overdenture System

Meg-Ball Abutment

- Angle compensation to one side 15 °
  (both sides 30 °)
- Ø2.25 Ball shape
- Recommend torque : 35Ncm



Connection	Cuff Height (mm)	Ref.C
Mini	0	MBSTM00
	1.0	MBSTM10
	2.0	MBSTM20
	3.0	MBSTM30
	4.0	MBSTM40
	5.0	MBSTM50
	6.0	MBSTM60
	7.0	MBSTM70

Connection	Cuff Height (mm)	Ref.C
Regular	0	MBAO00
	1.0	MBAO10
	2.0	MBAO20
	3.0	MBAO30
	4.0	MBAO40
	5.0	MBAO50
	6.0	MBAO60
	7.0	MBAO70





Meg-Ball Package

- Composed of Meg-Ball Abutment/
  Metal Housing Set/
  Housing Positioner (0°,5°,10°,15°)

Connection	Cuff Height (mm)	Ref.C
Mini	0	MBSTM00P
	1.0	MBSTM10P
	2.0	MBSTM20P
	3.0	MBSTM30P
	4.0	MBSTM40P
	5.0	MBSTM50P
	6.0	MBSTM60P
	7.0	MBSTM70P

Connection	Cuff Height (mm)	Ref.C
Regular	0	MBAO00P
	1.0	MBAO10P
	2.0	MBAO20P
	3.0	MBAO30P
	4.0	MBAO40P
	5.0	MBAO50P
	6.0	MBAO60P
	7.0	MBAO70P

Meg-Ball Metal Housing Set

- 1 Metal Housing
- 1 Retentive Ring

Ref.C
MBHR



Retentive Ring Set

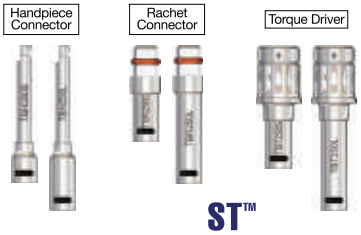
Quantity	Ref.C
5	MBR5
10	MBR10



Ball Driver

- For seating of the Ball Abutment into the fixture.
- Can connect to a Handpiece, Ratchet or Torque Wrench.
- Available in long and short.

Type	Ref.c
Toque Driver(Short)	TBT250S
Toque Driver(Long)	TBT250L



ST Kit
Surgical Kit

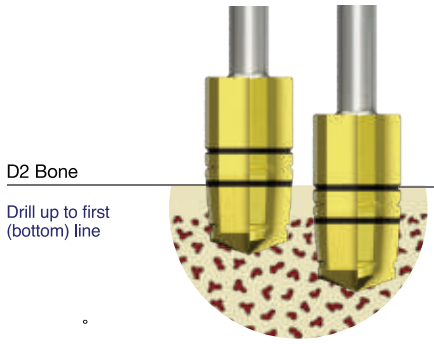
Ref.C
KSTIN3000

Dense Drill

Dense Drill



- For cutting & shaping cortical bone to secure initial stability in hard bone (D1 & D2)



Ratchet Wrench



Direction Indicator



Hand Driver



Lance Drill



Flattening Drill

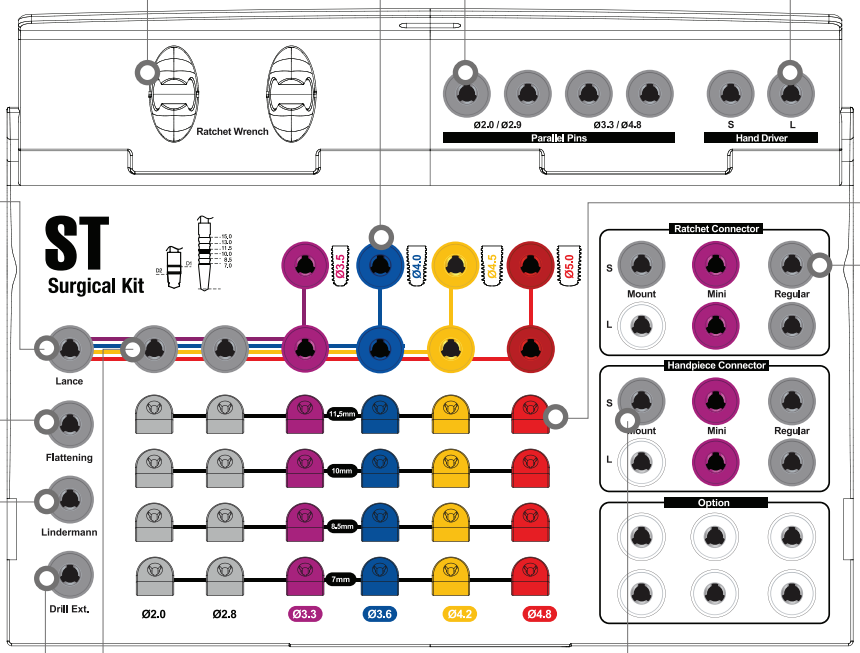


Lindermann

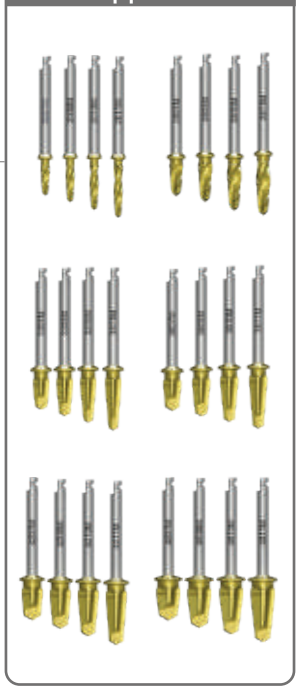


Drill Extension





Stopper Drill



Shaping Drill



Handpiece Connector

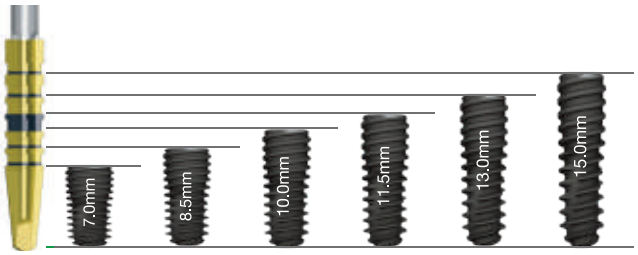


Ratchet Connector



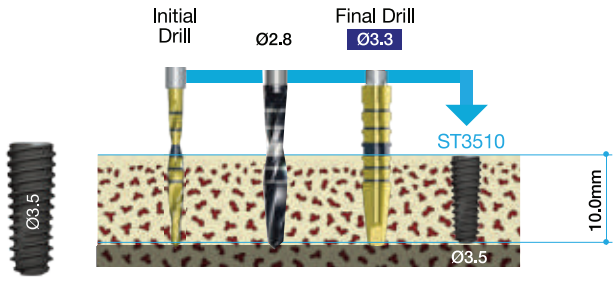
Shaping Drill

- Depth markings up to 7.0~15.0 mm
- Dual marking system (groove & laser markings) designed for easy recognition of placement depth



Product coordinator : Hyun wook An, rnd_dir@imegagen.com

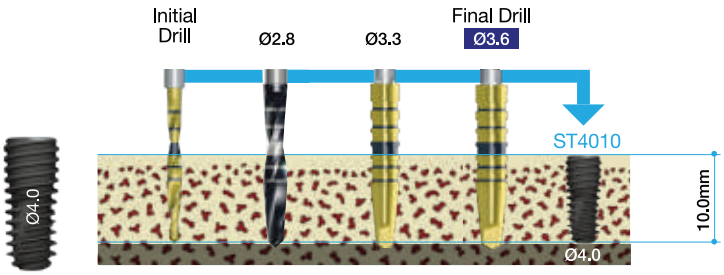
Surgical Drilling Sequence



Ø3.5 Fixture

Ø3.5 Drilling Sequence

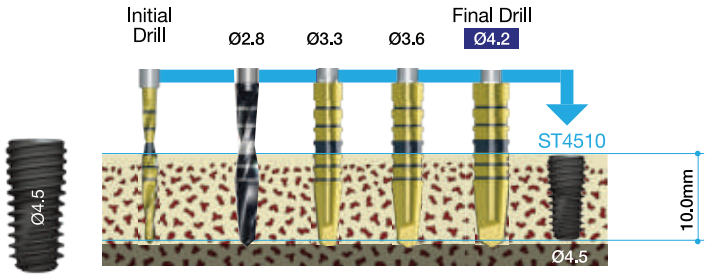
Actual fixture length is 10.0mm & shaping drill length is 0.59mm, so total drill depth is **10.59mm**



Ø4.0 Fixture

Ø4.0 Drilling Sequence

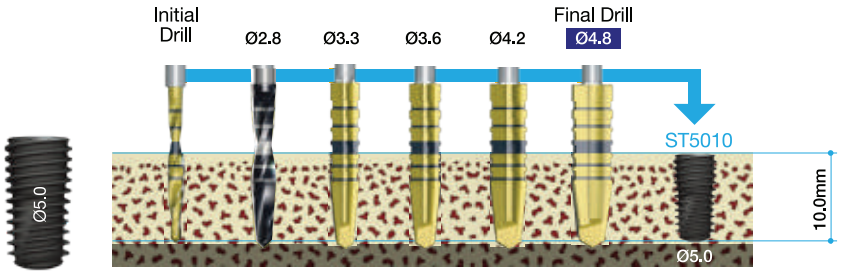
Actual fixture length is 10.0mm & shaping drill length is 0.68mm, so total drill depth is **10.68mm**



Ø4.5 Fixture

Ø4.5 Drilling Sequence

Actual fixture length is 10.0mm & shaping drill length is 0.85mm, so total drill depth is **10.85mm**



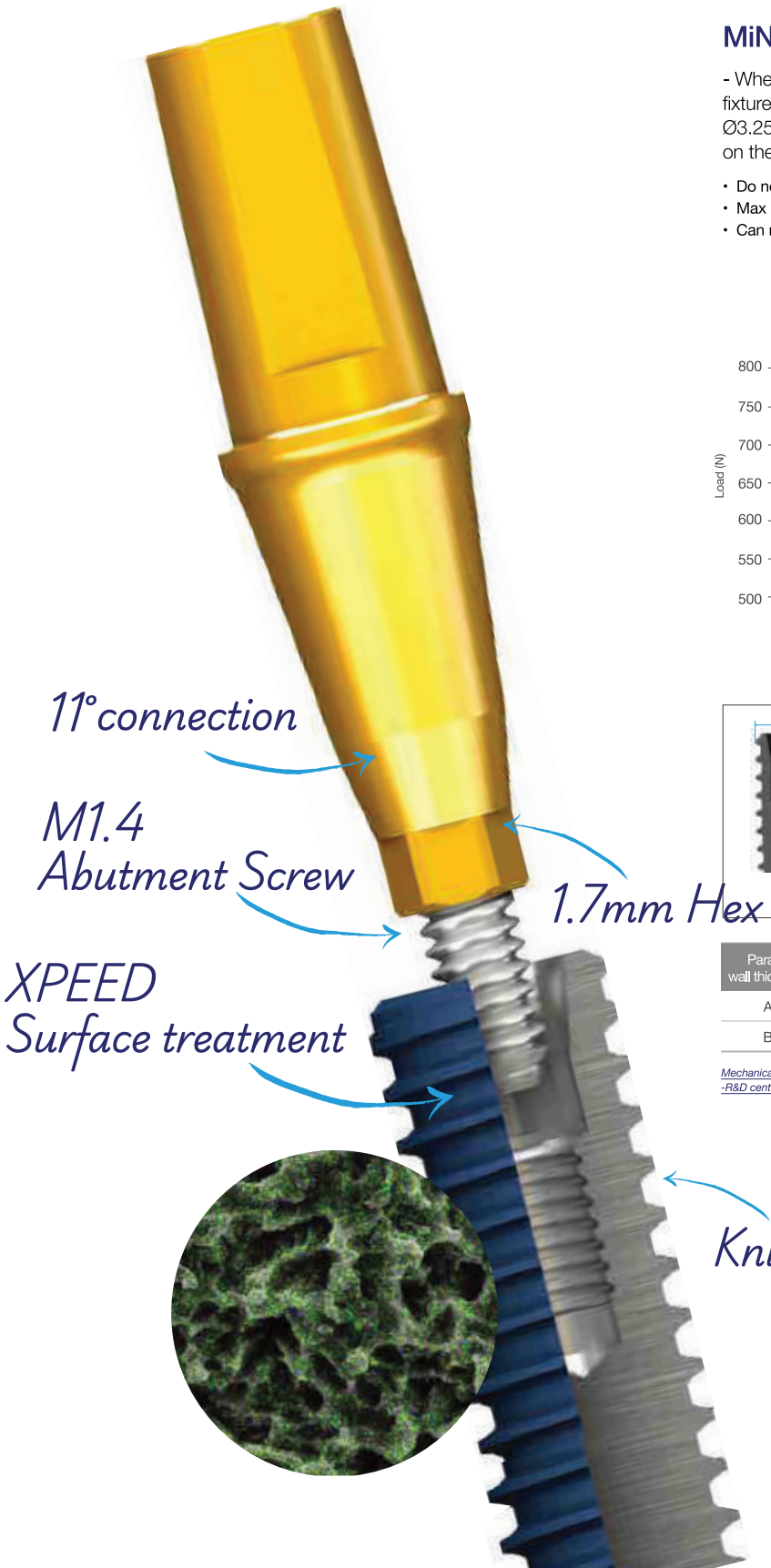
Ø5.0 Fixture

Ø5.0 Drilling Sequence

Actual fixture length is 10.0mm & shaping drill length is 0.89mm, so total drill depth is **10.89mm**

Characteristics & Advantages

Features

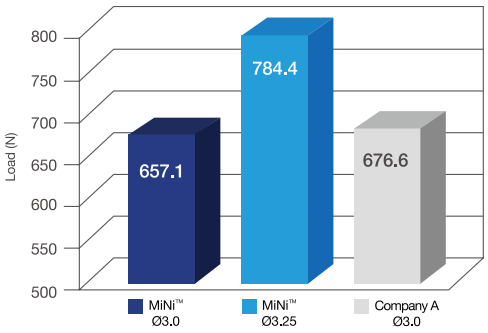


MiNi™, but mighty

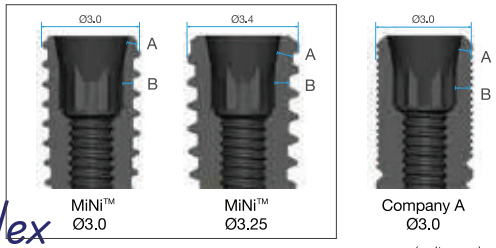
- When compared with the company A, MiNi™ internal fixture Ø3.0 has similar compressive strength, but Ø3.25 fixture showed much higher value of strength on the thin wall area of the fixture.

- Do not use Torque Wrench.
- Max uniform strength of hex 50Ncm.
- Can not exceed 75Ncm.

[Compressive Strength]



[Wall Thickness]



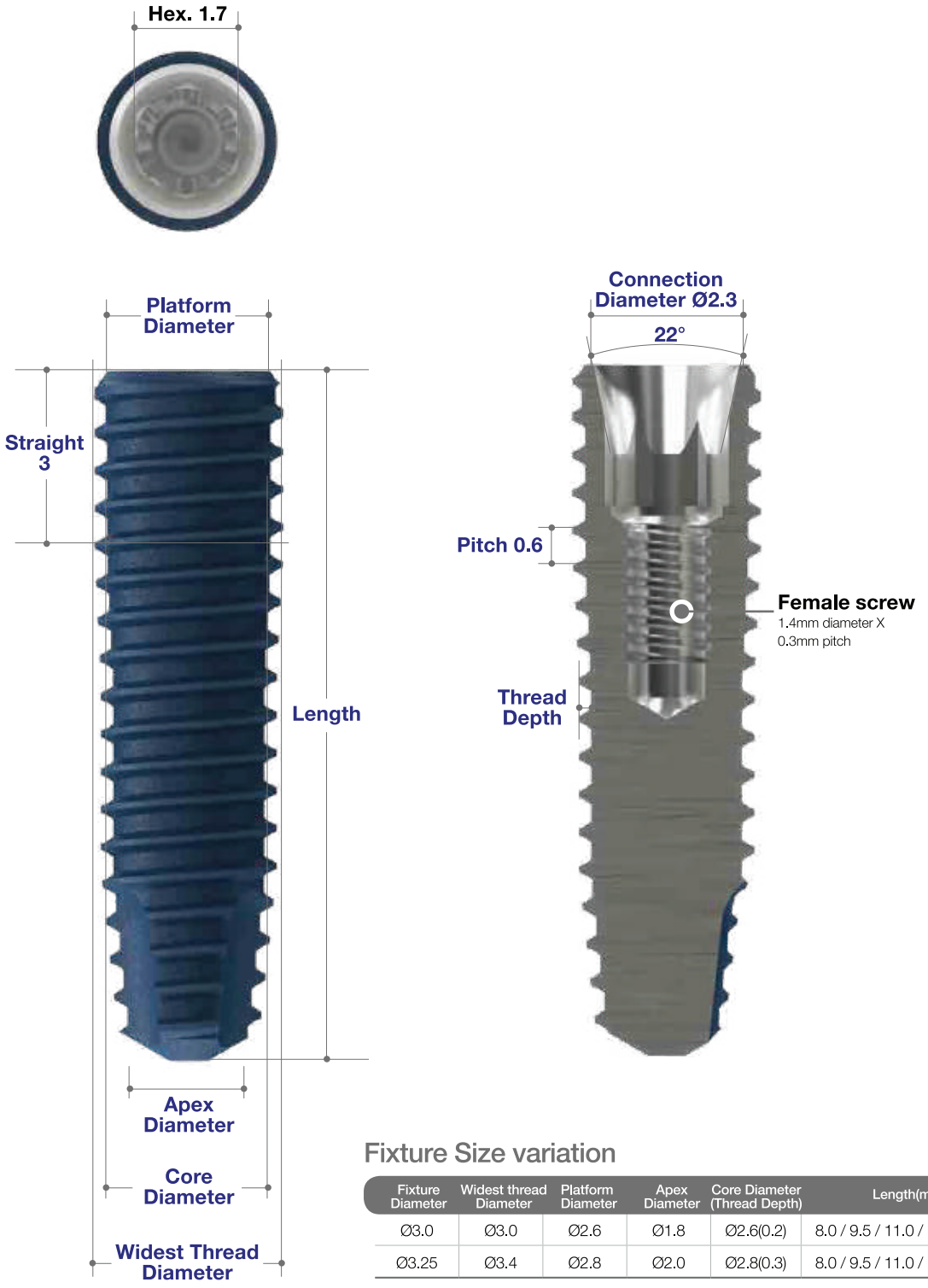
(unit : mm)

Parallel wall thickness	MiNi™ Ø3	MiNi™ Ø3.25	Company A Ø3
A	0.28	0.47	0.34
B	0.31	0.42	0.44

Mechanical test using universal testing machine in accordance with ISO 14801, -R&D center in MegaGen Implant Co.,Ltd.(2013)-

Fixture / Cover Screw & Healing Abutment

Fixture Dimension



Fixture Size variation

Fixture Diameter	Widest thread Diameter	Platform Diameter	Apex Diameter	Core Diameter (Thread Depth)	Length(mm)
Ø3.0	Ø3.0	Ø2.6	Ø1.8	Ø2.6(0.2)	8.0 / 9.5 / 11.0 / 12.5 / 14.5
Ø3.25	Ø3.4	Ø2.8	Ø2.0	Ø2.8(0.3)	8.0 / 9.5 / 11.0 / 12.5 / 14.5

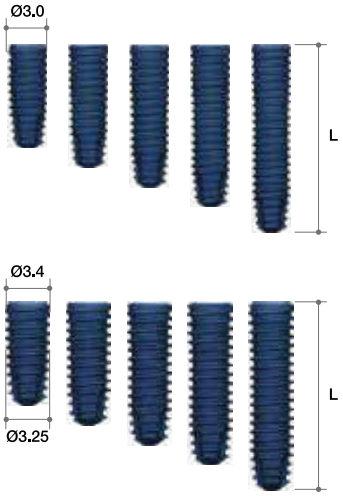
Fixture Size & Cover Screw & Healing Abutment

MiNi Fixture

- Cover Screw included

- Platform diameter of Ø3.0 fixture is 3.0mm.
- Platform diameter of Ø3.25 fixture is 3.4mm.

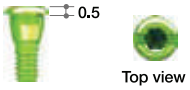
Diameter	Length(mm)	Ref.C
Ø3.0	8.5	MIIF3008C
	10.0	MIIF3010C
	11.5	MIIF3011C
	13.0	MIIF3013C
	15.0	MIIF3015C
Ø3.25	8.5	MIIF3308C
	10.0	MIIF3310C
	11.5	MIIF3311C
	13.0	MIIF3313C
	15.0	MIIF3315C



Cover Screw

- Recommend torque : by hand (5 - 8Ncm).
- Only with finger force.

Height(mm)	Ref.C
0.5	MICS2505

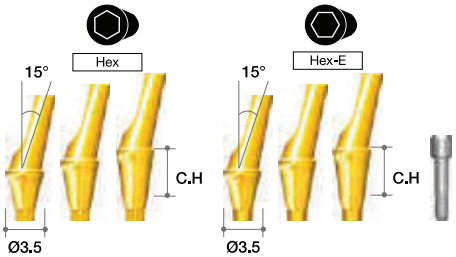


Angled Abutment

- Abutment Screw(MIAS14) included

- Recommend torque : 15Ncm

Profile Diameter	C.H (mm)	P.H (mm)	Type	Angle	Ref.C
Ø3.5	2.5	9.2	Hex	15°	MIAA3215HT
	3.5				MIAA3315HT
	4.5				MIAA3415HT
	2.5		Hex-E		MIAA3215ET
	3.5				MIAA3315ET
	4.5				MIAA3415ET



EZ Post Abutment

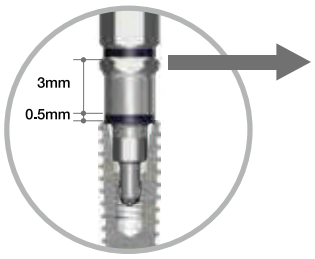
- Abutment Screw(MIAS14) included

- Recommend torque : 15Ncm

Profile Diameter	Post Height(mm)	Cuff Height (mm)	Ref.C
Ø3.5	7.0	1.0	MIEP3507HT
		1.5	MIEP3517HT
		2.5	MIEP3527HT
		3.5	MIEP3537HT
		4.5	MIEP3547HT

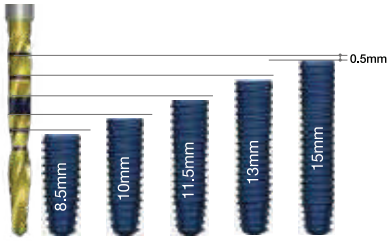


9.5 fixture length and drilling marking

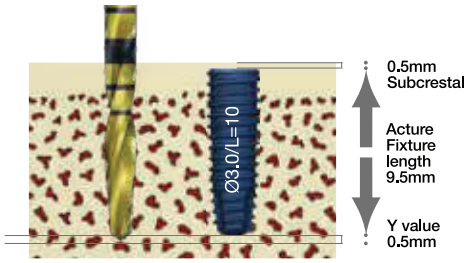


The platform line of the Handpiece Connector or the Ratchet Connector must be flush with the fixture platform.

⚠ When using the Ratchet Wrench, do not use an excessive torque as it can damage of internal structure of the fixtures. It is not recommended to exceed the maximum torque of 75N·cm.

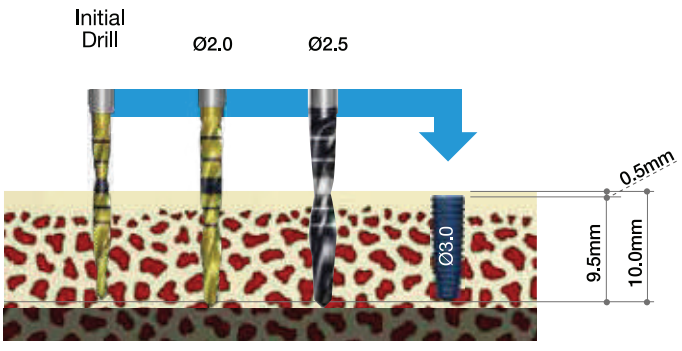


The actual lengths of MiNi™ internal fixtures are 0.5mm shorter than the depth markings of a Shaping Drill. Therefore, the fixture will be placed 0.5mm under the crest automatically.

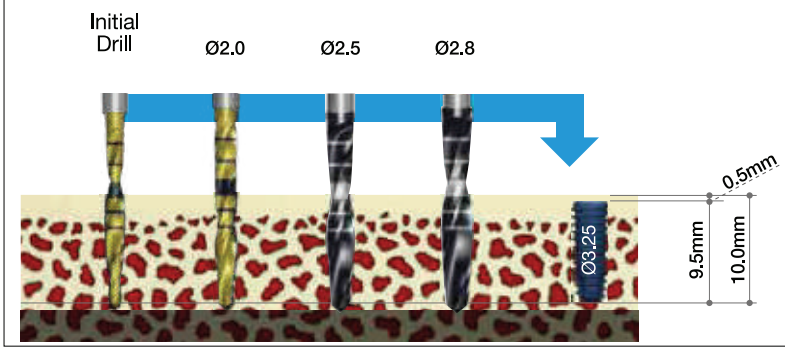


Actual drilling depth 10.5mm = 0.5mm subcrestal + 9.5mm actual fixture length + 0.5mm Y value
* Fixture Ø3.0 (Y value = 0.5mm), Ø3.25 (Y value = 0.6mm)

➲ Surgical drilling sequence



Actual drilling depth 10.5mm= 0.5mm subcrestal + 9.5mm actual fixture length + 0.5mm Y value



Actual drilling depth 10.6mm = 0.5mm subcrestal + 9.5mm actual fixture length + 0.6mm Y value

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