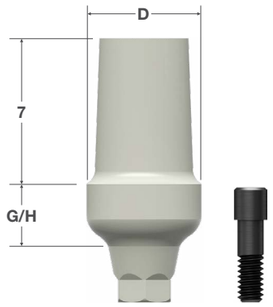
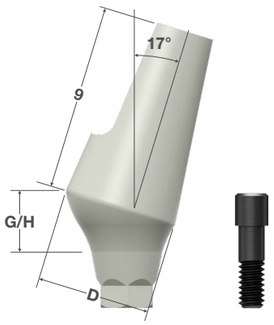
ZioCera
Abutment





Feature

- **Cement / screw / combination retained prosthesis**
- **Single / bridge restoration / anterior area (Not recommended : posterior area case)**
- **Fixture level impression**
- Zirconia material appropriate for all ceramic prosthesis fabrication in anterior area
- Natural dentin color abutment shade
- Bio friendly and excellent strength
- 2 types : better surgery convenience (straight / 17° angeld)
- Use exclusive abutment screw
- Material : zirconia (non coating) / Ti-6Al-4V (WCC coating)
- Connect using 1.2 hex torque driver
- Recommended tightening torque : mini 20Ncm / regular 30Ncm

Straight

D	Ø 4.5 / 5.5 / 6.5 mm
G/H	3.5 / 5.0 mm
Type	Hex / Non-Hex

Angled

D	Ø 5.5 / 6.5 mm
G/H	3.0 / 4.0 mm
Type	Hex / Non-Hex

Cement Retained Restoration

- Cement retained type of all ceramic prosthesis fabrication is recommended for ZioCera abutment
- Use zirconium exclusive bur for modifying abutment, and use irrigation

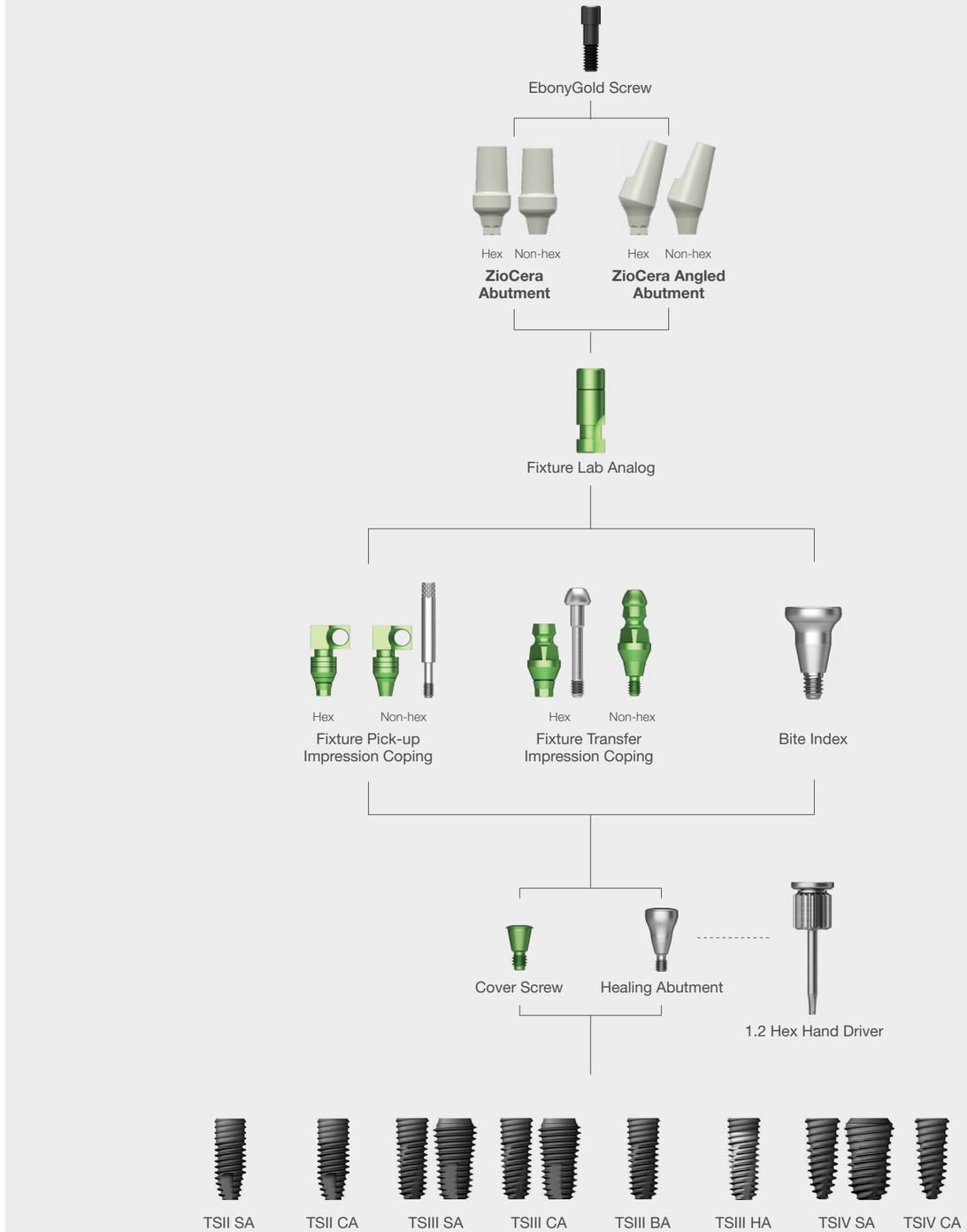
Customizing | Ceramic coping | Porcelain build up

Screw Retained Restoration

- Screw retained type prosthesis fabrication is possible with direct build up
- Use zirconium exclusive bur for modifying abutment, and use irrigation
- Fabrication of esthetic implant prosthesis is possible with exclusive porcelain powder build up

Customizing | Porcelain build up | Screw retained single crown

Prosthetic Flow Diagram



Prosthetic Process

Fixture Level Impression Cement Type Prosthesis

01

Remove healing abutment

· Remove healing abutment with 1.2 hex hand driver by hand

1.2 Hex Hand Driver

Short Long

02

Impression

· Consider abutment diameter and type (hex/non-hex)

· Select impression coping specification (pick-up / transfer type)

· Connect using 1.2 hex hand driver by hand

· Block out driver hole of transfer impression coping

· Perform peri apical x-ray to check correct connection

· Take impression by applying impression material around impression coping first

Fixture Transfer Impression Coping

Hex Non-hex

03 Lab Side

Fabricate working model

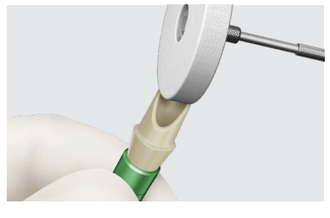
· Check impression body

· Fabricate working model in normal way and pour stone

· Connect Ziocera abutment and modify path and customize shape

· Use Zirconia exclusive bur

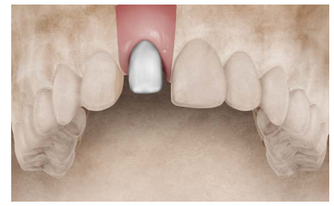
· Must use irrigation while modifying (High heat generated while modifying can break abutment)



04 Lab Side

Fabricate ceramic coping

· Fabricate ceramic coping in normal way



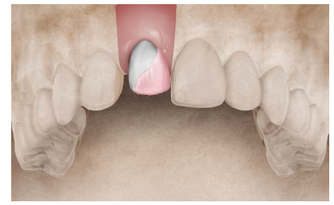
05 Lab Side

Porcelain build up

· Porcelain build up and firing on ceramic coping

· Polishing procedure in normal way

· Check prosthesis in the working model



06 Lab Side

Abutment connection

· Check delivered prosthesis from the lab

· Remove healing abutment or temporary prosthesis from mouth

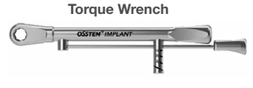
· Connect using 1.2 hex torque driver (mini 20Ncm / regular 30Ncm)

· Check right connection with x-ray

1.2 Hex Torque Driver

Short Long

Torque Wrench



07 Lab Side

Connect final prosthesis

· Abutment screw hole block out

· Connect prosthesis by cementation and remove cement completely

Fixture Level Impression Screw Type Prosthesis

01

Remove healing abutment

· Remove healing abutment with 1.2 hex hand driver by hand

1.2 Hex Hand Driver

Short Long

02

Impression

· Consider abutment diameter and type (hex/non-hex)

· Select impression coping specification (pick-up / transfer type)

· Connect using 1.2 hex hand driver by hand

· Block out driver hole of transfer impression coping

· Perform peri apical x-ray to check correct connection

· Take impression by applying impression material around impression coping first

1.2 Hex Hand Driver

Short Long

03 Lab Side

Fabricate working model

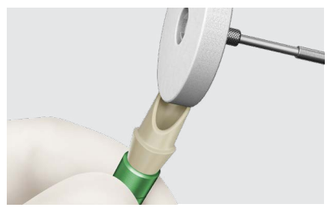
· Check impression body

· Fabricate working model in normal way and pour stone

· Connect Ziocera abutment and modify path and customize shape

· Use Zirconia exclusive bur

· Must use irrigation while modifying (High heat generated while modifying can break abutment)



04 Lab Side

Porcelain build up and firing

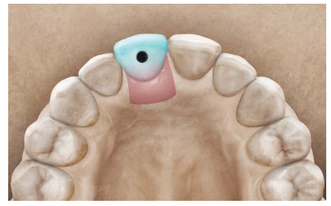
· Porcelain build up with Zirconia exclusive powder

· Easy to form screw hole using waxing screw for lab

· To prevent change of mechanical property, limit firing to 5 times

· Polishing procedure in normal way

· Check prosthesis in the working model



05

Connect final prosthesis

· Check delivered prosthesis from the lab

· Remove healing abutment or temporary prosthesis from mouth

· Connect using 1.2 hex torque driver (mini 20Ncm / regular 30Ncm)

· Check right connection with x-ray

· Block out Screw hole with resin

1.2 Hex Torque Driver

Short Long

Torque Wrench

※ Cautions for Zirconia abutment Use

① Use Zirconia exclusive bur
② Must irrigate while milling to prevent overheating
③ Apply round shape to edge or corner to prevent fracture
④ Use zirconia exclusive power for build up