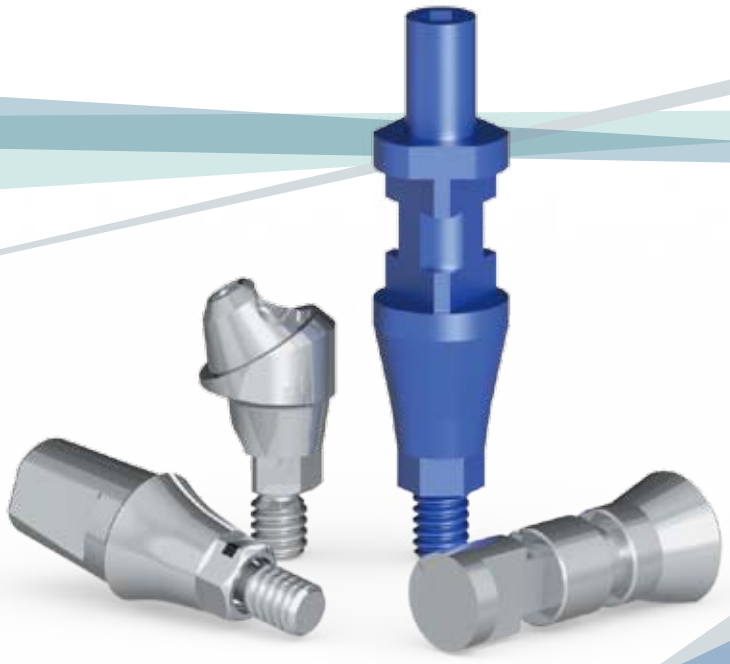
BrainBase Corporation

Mytis Arrow Implant System

Impression Procedures Vol.1

Impression-Taking Manual



Mytis Arrow Implant System

Impression Procedures Vol.1

An Integrated Implant-Based System for Bone Treatment

Implant Level Impression (Open-tray)

P. 3~

Curing time » Impression-Taking » Model preparation » Abutment selection Prosthesis fabrication » Prosthesis attachment in the mouth

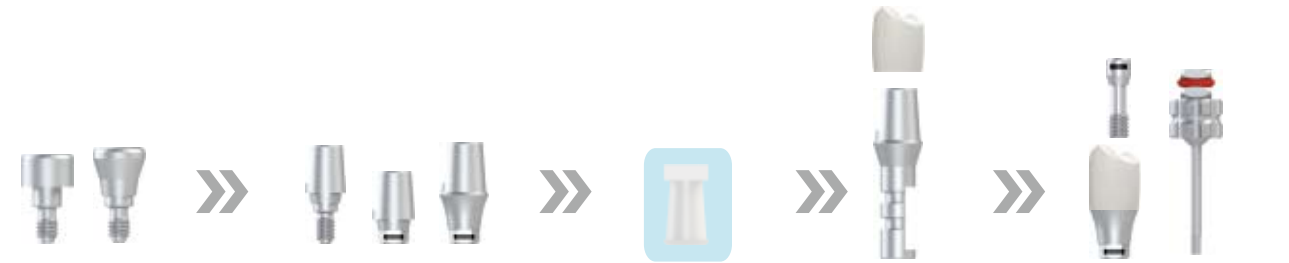
Implant Level Impression (Closed-tray)

P. 9~

Curing time » Impression-Taking » Model preparation » Abutment selection Prosthesis fabrication » Prosthesis attachment in the mouth

Abutment Level Impression (Closed-tray)

P. 15~



Curing time » Abutment selection » Impression-Taking » Model preparation Prosthesis fabrication » Prosthesis attachment in the mouth

MP Abutment Level Impression (Open-tray)

P. 21~

Curing time » Abutment selection » Impression-Taking » Model preparation Prosthesis fabrication » Prosthesis attachment in the mouth

Implant Level Impression (Open-tray)

Normal-type

Open-tray

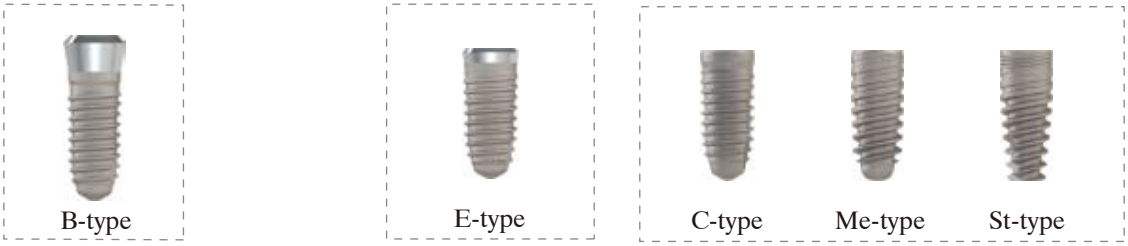
Replica

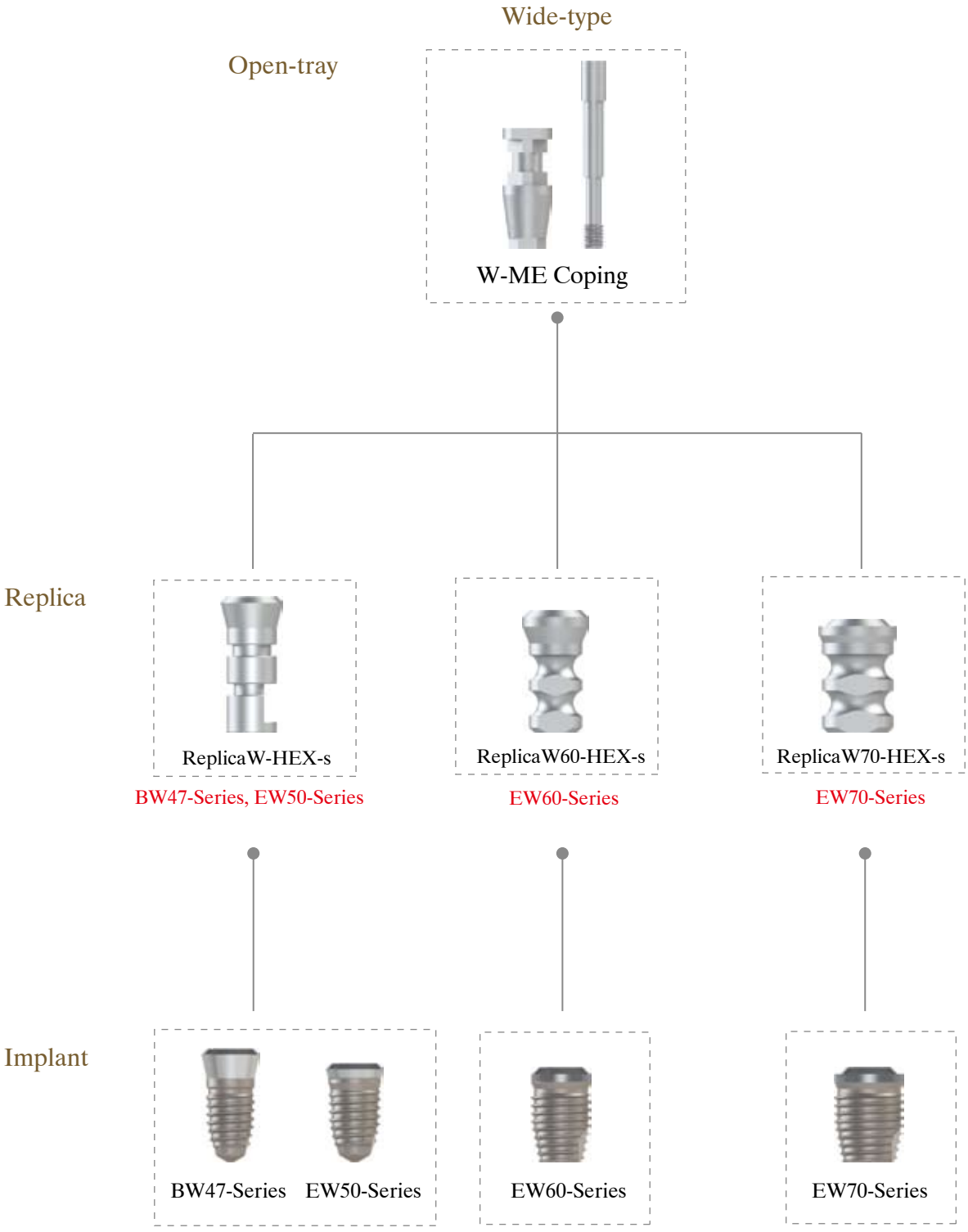
B-type, E43-Series, E46-Series

E33-Series, E37-Series, E40-Series

C-type, St-type, Me-type

Implant




Wide-type
Open-tray
W-ME Coping
Replica
ReplicaW-HEX-s
BW47-Series, EW50-Series
ReplicaW60-HEX-s
EW60-Series
ReplicaW70-HEX-s
EW70-Series
Implant
BW47-Series
EW50-Series
EW60-Series
EW70-Series

Implant Level Impression (Open-Tray)

Take an impression of the position of an implant and direction of a HEX part in the implant. Under this method, an impression is taken in a condition where a coping is incorporated inside the impression material when taking the impression tray out from the oral cavity. In this method, you need to prepare holes on the impression tray so that the impression screws can come out on the tray.

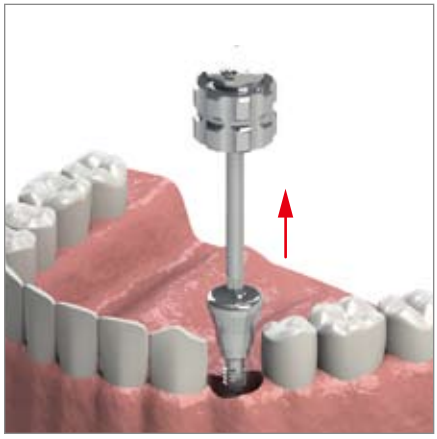
(1) Prepare the products which are needed for taking an impression and then fabricate a custom impression tray.

※ In case of C-type Implants

N-ME Coping | Replica | Customs impression tray | Silicon impression material

Chair-side

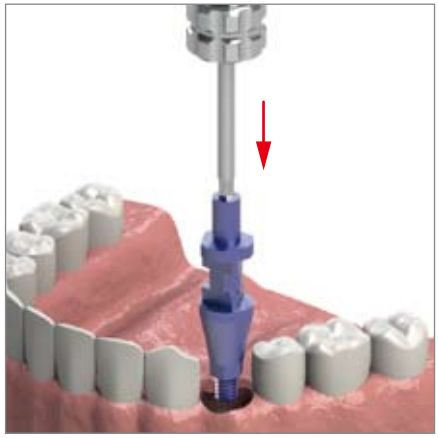
(2) Using a HEX Driver, remove a Healing Abutment or a Cover Screw from an implant.



(3) Select a ME Coping according to the clinical case. Install a ME Coping and then tighten a coping screw by using a HEX Driver.

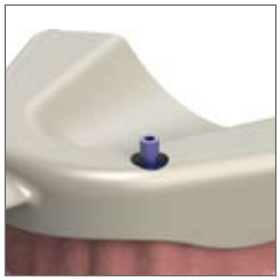
Confirm:
a. N-ME Copings are used with the normal-type implants.
b. W-ME Coping are used with the wide-type implants.

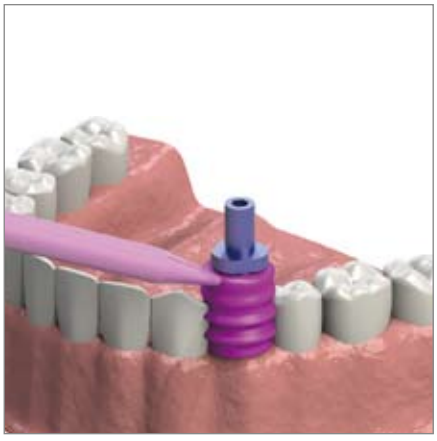
Caution:
Do not re-use the coping products since it could affect the accuracy of the impression-taking.



(4)
Confirm that the impression screws come out sufficiently on the tray. Inject a silicon impression material into the coping installed and into the implant margin.

Caution:
Use a silicon impression material according to its maker' s instruction.

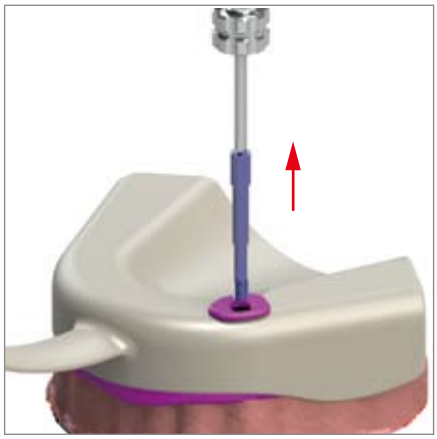




Chair-side

(5)
Fill the impression material throughout the tray and take an impression of the inside of the oral cavity. Follow the maker’ s instruction regarding the curing time.

(6)
After curing, loosen all the screws by using a HEX Driver and then take the impression tray out from the oral cavity.



(7)
The impression coping is incorporated into the impression tray.

(8)
Select a Replica which is suitable for an implant placed and install the Replica onto the impression coping and then tighten the coping screw by using a HEX Driver. When tightening, hold the replica so as not to rotate.

Caution:
Refer to the Table on Page 3 & Page 4 as to the fitness between an implant and a replica.

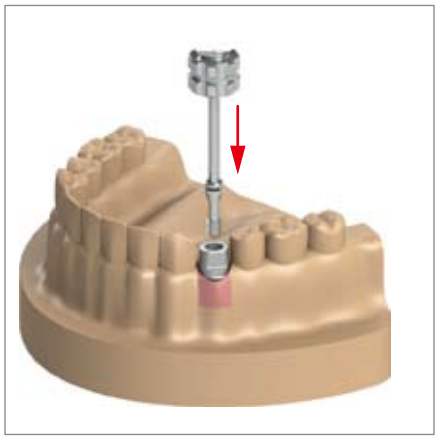
Lab. side

(9)
Using a spatula, pour plaster into the impression tray taken.

(10)
Fabricate a plaster cast according to the usual procedure. To determine soft tissue configuration, use artificial gum material and work up it into a gum model.

(11)
Select an abutment according to the clinical case. Install the abutment onto a Replica, and then tighten an abutment screw by using a HEX Driver.

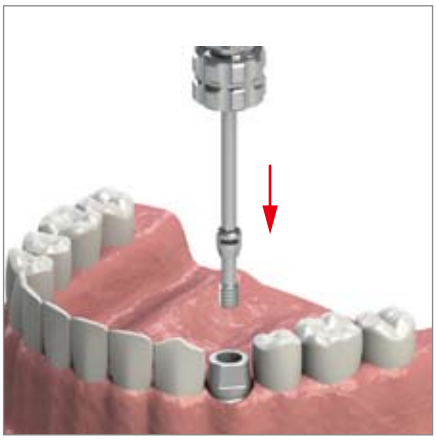
Caution:
Do not tighten the abutment screw with an excessive tightening torque value on the model.



(12)
After installing the model onto an articulator, determine the configuration and occlusion, and then fabricate prosthesis according to the usual procedure.

Chair-side

(13)
To fix the abutment on the implant, attach an abutment screw by using a HEX Driver.



(14)
Tighten an abutment screw by using a DS Torque Ratchet Wrench.

Caution:
The tightening torque value: 30Ncm

(15)
Insert cotton balls into the screw holes and then block the holes with resin.
Install the prosthesis on the abutment and then confirm on the fittness of the configuration and the necessity of the occlusal adjustment.
Fix the prosthesis with using temporary cementation or coherent cementation.

Caution:
Be sure not to leave cement on the model.

Implant Level Impression (Closed-tray)

Closed-tray

Normal-type

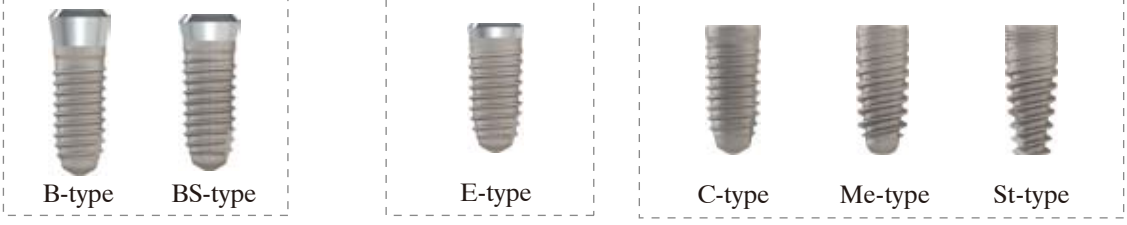
Replica

B-type, E43-Series, E46-Series

E33-Series, E37-Series, E40-Series

C-type, Me-type, St-type

Implant



Closed-tray

Wide-type

W-M3 Coping S

W-M3 Coping L

Replica

ReplicaW-HEX-s

BW47-Series, EW50-Series

ReplicaW60-HEX-s

EW60-Series

ReplicaW70-HEX-s

EW70-Series

Implant

BW47-Series EW50-Series

EW60-Series

EW70-Series

Implant Level Impression (Closed-tray)

Take an impression of the position of an implant and direction of a HEX part in the implant. Under this method, an impression coping leaves inside the oral cavity when taking the impression tray out from the oral cavity. In this method, an impression coping which is detached from an implant is installed onto a replica inside the impression tray.

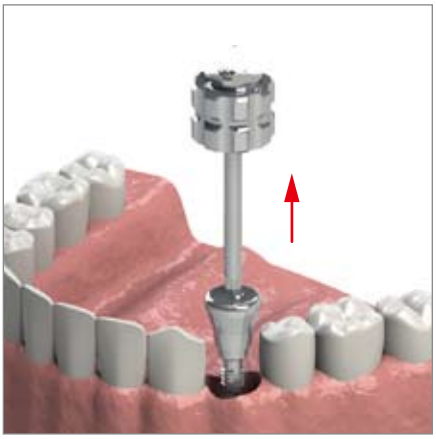
(1) Prepare the products which are needed for taking an impression and then fabricate a custom impression tray.

※ In case of C-type Implants

N-M3 Coping | Replica | Customs impression tray | Silicon impression material

Chair-side

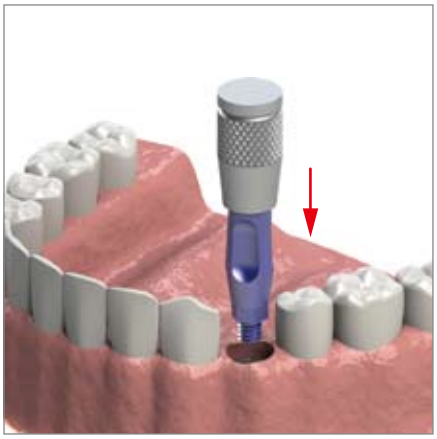
(2) Using a HEX Driver, remove a Healing Abutment or a Cover Screw from an implant.



(3) Select a M3 Coping according to the clinical case. Install a M3 Coping onto an implant. As necessary, use a M3 Coping Driver to tighten a Coping.

Confirm:
a. N-M3 Copings are used with the normal-type implants.
b. W-M3 Coping are used with the wide-type implants.

Caution:
Do not re-use the coping products since it could affect the accuracy of the impression-taking.



(4)
Inject a silicon impression material into the coping installed and into the implant margin.

Caution:
Use a silicon impression material according to its maker’ s instruction.

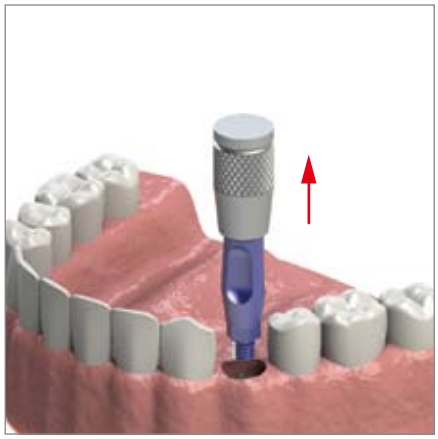
Chair-side

(5)
Fill the impression material throughout the tray and take an impression of the inside of the oral cavity. Follow the maker’ s instruction regarding the curing time.

(6)
After curing, take the impression tray out from inside the oral cavity. At that time, a Coping leaves on the implant inside the oral cavity.
In the closed-tray method, you can not manage a coping screw from outside the tray.

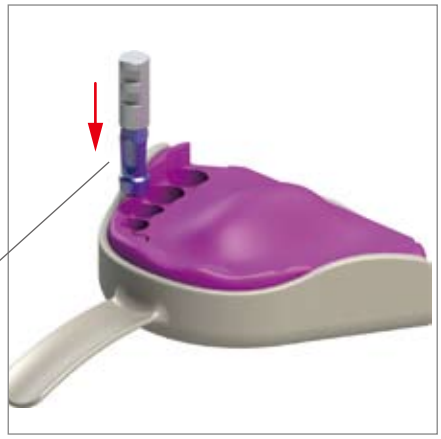
(7) Detach a Coping from the implant inside the oral cavity. As necessary, use a M3 Coping Driver to detach a Coping from the implant.

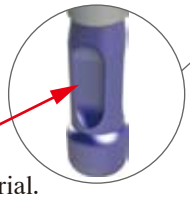
Caution:
If detaching a M3 Coping is hard, swing it right and left.



(8)
Select a Replica which is suitable for an implant placed and install the Replica into the impression coping. Insert a Coping deeply into the impression part.

Caution:
Refer to the Table on Page 9 & Page 10 as to the fitness between an implant and a replica.



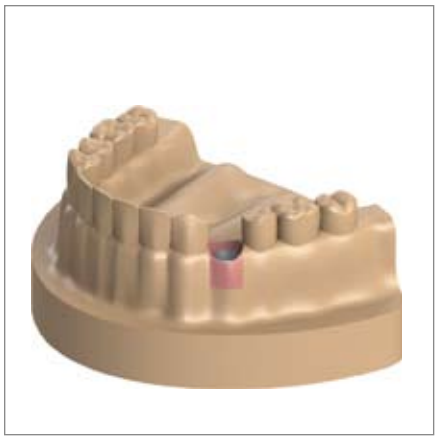


Be sure to make the concave part in the Coping fit to the convex part in the silicon material.

Lab.side

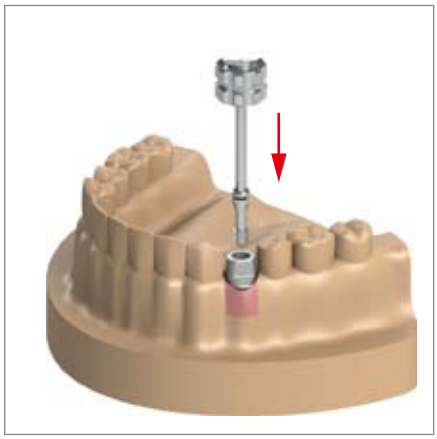
(9)
Using a spatula, pour plaster into the impression tray taken.

(10)
Fabricate a plaster cast according to the usual procedure. To determine soft tissue configuration, use artificial gum material and work up it into a gum model.



(11)
Select an abutment according to the clinical case. Install the abutment onto a Replica and then tighten an abutment screw by using a HEX Driver.

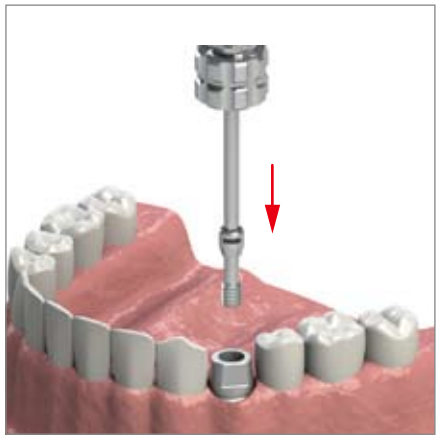
Caution:
Do not tighten the abutment screw with an excessive tightening torque value on the model.



(12)
After installing the model onto an articulator, determine the configuration and occlusion and then fabricate prosthesis according to the usual procedure.

Chair-side

(13)
To fix the abutment onto the implant, attach an abutment screw by using a HEX Driver.



(14)
Tighten an abutment screw by using a DS Torque Ratchet Wrench.

Caution:
The tightening torque value: 30Ncm

(15)
Insert cotton balls into the screw holes and then block the holes with resin.
Install the prosthesis on the abutment and then confirm on the fittness of the configuration and the necessity of the occlusal adjustment.
Fix the prosthesis with using temporary cementation or coherent cementation.

Caution:
Be sure not to leave cement on the model.

Abutment Level Impression (Closed-tray)

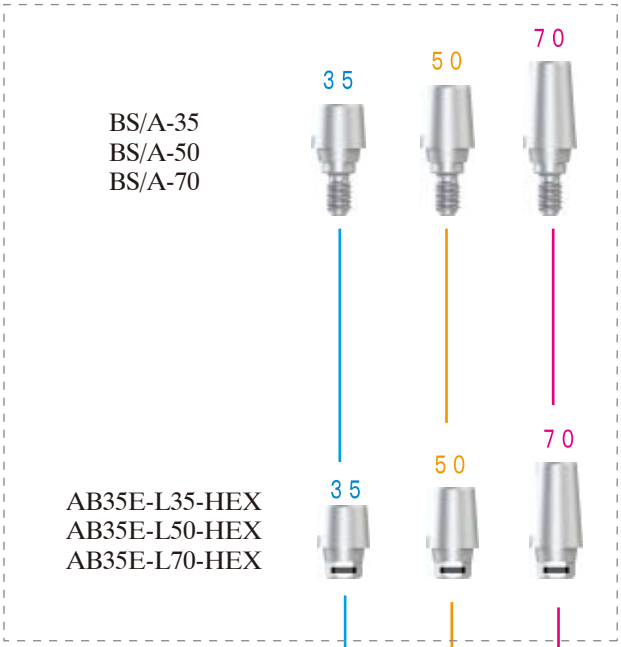
Normal-type

Impression part

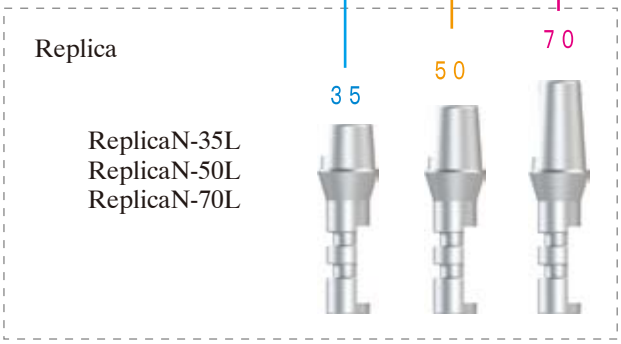
HAT35L

Compliant implants: B-type, E43-Series, E46-Series

Abutment (One-Stage Method)

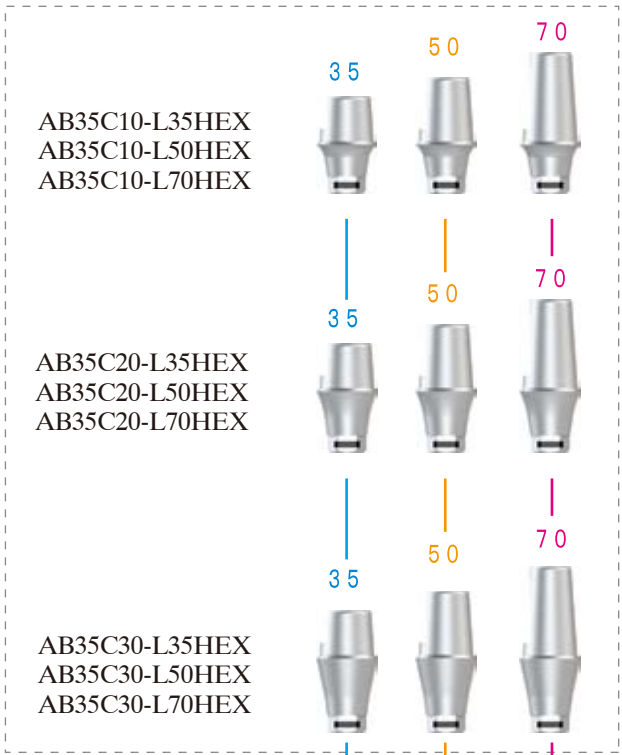


Replica

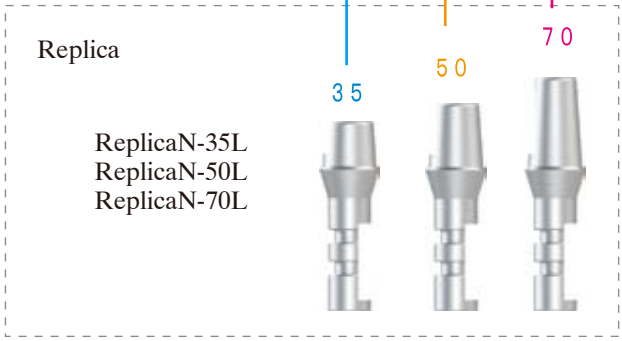


Compliant implants: C-type, (E-type)

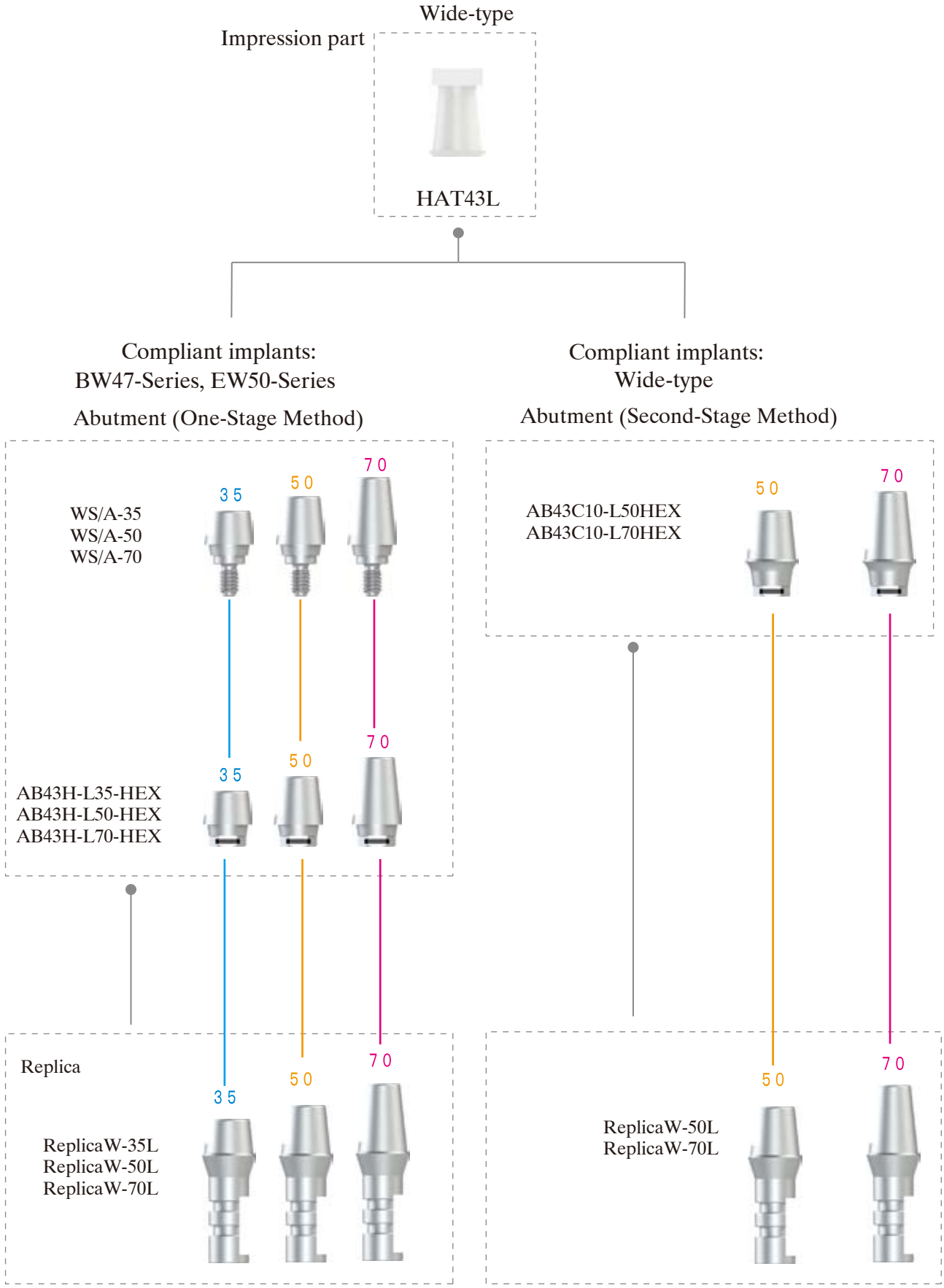
Abutment (Second-Stage Method)



Replica



* Select a Replica according to the height of the abutment part in the abutment selected.
* Do not grind the abutment part in the abutment.



* Select a Replica according to the height of the abutment part in the abutment selected.
* Do not grind the abutment part in the abutment.

Abutment-Level Impression (Closed-tray)

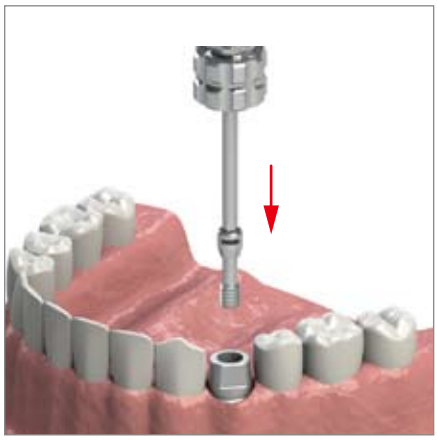
Take an impression of the position of an abutment. Under this method, an impression is taken in a condition where a HAT is incorporated inside the impression material when taking the impression tray out from the oral cavity. Install a replica onto a HAT inside the impression material.

(1) Prepare the products which are needed for taking an impression and then fabricate a custom impression tray.

Chair-side

(2)
Select an abutment according to the clinical case. Install the abutment onto an implant and then tighten an abutment screw by using a HEX Driver.

Caution:
When using a HAT, do not grind the abutment part in the abutment.



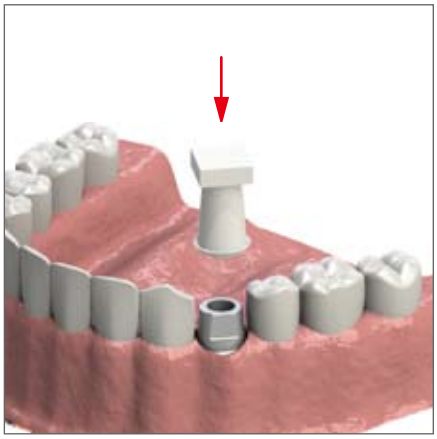
(3)
Tighten an abutment screw by using a DS Torque Ratchet Wrench.

Caution:
The tightening torque value: 30Ncm
Do not detach the abutment which was torqued once.

(4)
Install a HAT into the abutment. Confirming the position of the cut face in the HAT, insert it into the abutment. Be sure to insert it deeply into the abutment.

Confirm:
a. HAT35L is used with the normal-type abutment.
b. HAT43L is used with the wide-type abutment.

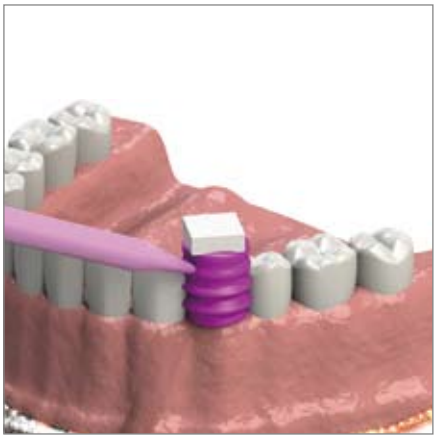
Caution:
Do not re-use the HAT parts since it could affect the accuracy of the impression-taking.



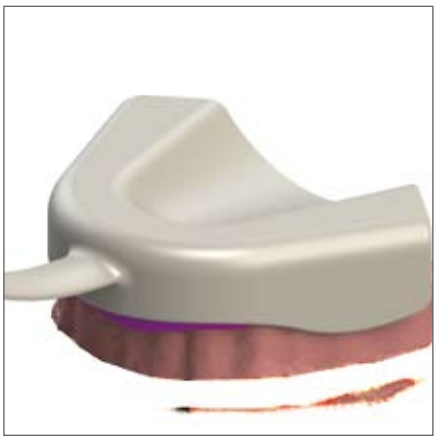
Chair-side

(5)
Inject a silicon impression material in the vicinity of the HAT.

Caution:
Use a silicon impression material according to its maker' s instruction.



(6)
Fill the impression material throughout the tray and take an impression of the inside of the oral cavity. Follow the maker' s instruction regarding the curing time.

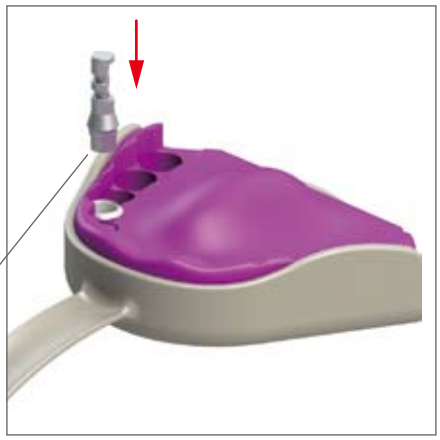


(7)
After curing, the HAT is incorporated into the impression tray.

Lab. side

(8)
Select a Replica according to the height of the abutment part in the abutment selected. Insert the Replica into the HAT inside the impression. Be sure to insert the Replica deeply into the HAT.

Caution:
Be sure to make the cut face in the Replica be coincident with the cut face in the HAT.



Lab.side

(9)
Using a spatula, pour plaster into the impression tray taken.

(10)
Fabricate a plaster cast according to the usual procedure. To determine soft tissue configuration, use artificial gum material and work up it into a gum model.

(11)
After installing the model onto an articulator, determine the configuration and occlusion and then fabricate prosthesis according to the usual procedure.

Chair-side

(12)
Confirm that there are no defects and loosening of a screw in the abutment in the oral cavity.

(13)
Insert cotton balls into the screw holes and then block the holes with resin.
Install the prosthesis on the abutment and then confirm on the fittness of the configuration and the necessity of the occlusal adjustment.
Fix the prosthesis with using temporary cementation or coherent cementation.

Caution:
Be sure not to leave cement on the model.

MULTI-PIECE ABUTMENT SYSTEM

MP Abutment Level Impression (Open-tray)

For Open-tray

MP Coping-OPT

a. Straight-type

Taper Connection type

MP-AB35C10-s
MP-AB35C20-s
MP-AB35C30-s
MP-AB35C40-s
MP-AB35C50-s

HEX Connection type

MP-AB35C10-HEX
MP-AB35C20-HEX
MP-AB35C30-HEX
MP-AB35C40-HEX
MP-AB35C50-HEX

b. Angled-type

Angled-type 17 degrees

MP-AG35C25-HEX17
MP-AG35C35-HEX17
MP-AG35C45-HEX17
MP-AG35C55-HEX17

Angled-type 30 degrees

MP-AG35C35-HEX30
MP-AG35C45-HEX30

Replica

MP Replica

Multi-Piece Abutments / Abutment-Level Impression (Open-tray)

Take an impression of the position of a multi-piece abutment. Under this method, an impression is taken in a condition where a coping is incorporated inside the impression material when taking the impression tray out from the oral cavity. In this method, you need to prepare holes on the impression tray so that the impression screws can come out on the tray.

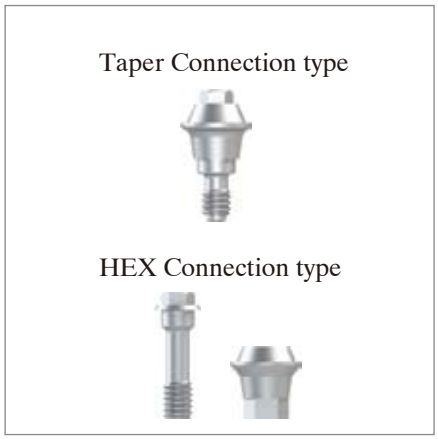
(1) Prepare the products which are needed for taking an impression and then fabricate a custom impression tray.

MP Coping-OPT | MP Replica | Custom impression tray | Silicon impression material

Chair-side

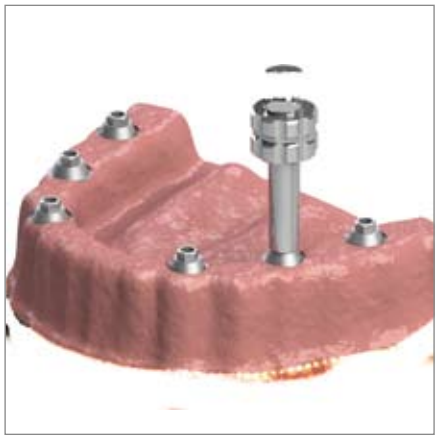
a. In case of a straight abutment

(2)-a.1
Install a taper connection type abutment or HEX connection type abutment.



(2)-a.2
Install a WR-MP Driver or a CA-MP Driver onto the hexagonal portion in the upper part of abutment.

WR-MP Driver | CA-MP Driver



(2)-a.3
Tighten a WR-MP Driver by using a DS Torque Ratchet Wrench.

Caution:
Tightening torque value: 30Ncm

b. In case of an angled-abutment

Chair side

Angled-type 17 degrees

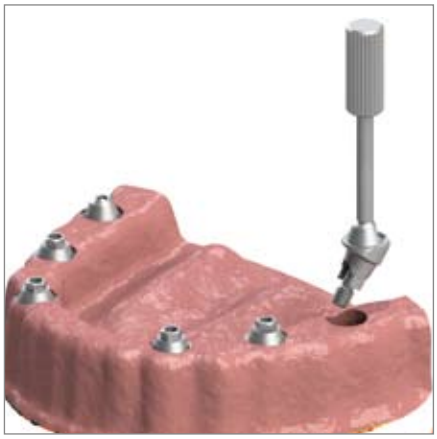
Angled-type 30 degrees

(2)-b.1
Install an angled-type 17 degrees abutment or an angled-type 30 degrees abutment.

(2)-b.2
Deploy an angled-abutment onto an implant by using a MP Holder.

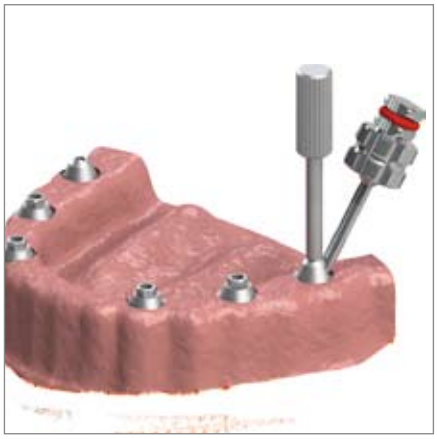
Caution:
Attach a MP Holder on the angled-abutment after setting a MP-AG Screw to the abutment.

MP Holder



(2)-b.3
Use a HEX Driver to tighten a MP-AG Screw slightly.

Caution:
You can not use a MP Holder and a WR/HEX Driver at the same time.



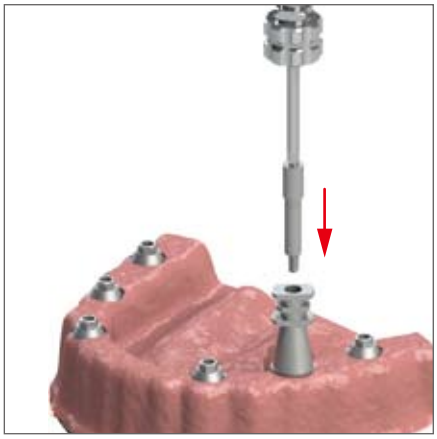
(2)-b.4
Remove a MP Holder and then tighten a MP-AG Screw by using a DS Ratchet Wrench.

Caution:
Tightening torque value: 30Ncm

Chair-side

(3)
Install a MP Coping-OPT onto the abutments and tighten a coping screw by using a HEX Driver.

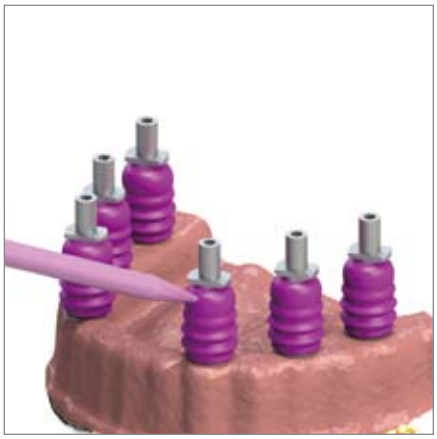
Caution:
Do not re-use the coping products since it could affect the accuracy of the impression-taking.



(4)
Confirm that the impression screws come out sufficiently on the tray.

(5)
Inject a silicon impression material into the impression copings installed.

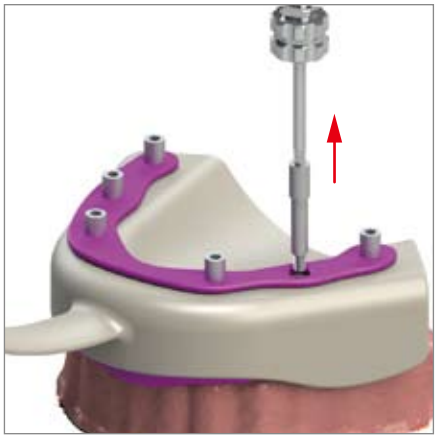
Caution:
Use a silicon impression material according to its maker' s instruction.



(6)
Fill the impression material throughout the tray and take an impression of the inside of the oral cavity. Follow the maker' s instruction regarding the curing time.

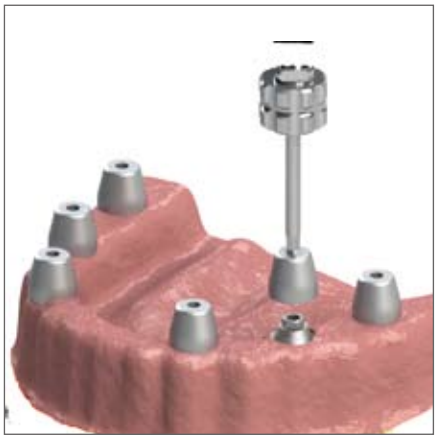
Chair-side

(7)
After curing, loosen all the screws by using a HEX Driver and then take the impression tray out from the oral cavity.



(8)
The impression copings are incorporated into the impression tray.

(9)
Attach a MP-CAP on the abutments until the super-structures are prepared.



(10)
Install a MP Replica onto the impression copings and then tighten the coping screw by using a HEX Driver. When tightening, hold the replica so as not to rotate.
A MP Replica can be used for both the straight abutments and the angled-abutments.

MP Replica

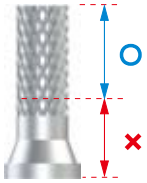
Lab. side

(11)
Using a spatula, pour plaster into the impression tray taken.

(12)
Fabricate a plaster cast according to the usual procedure. To determine soft tissue configuration, use artificial gum material and work up it into a gum model.

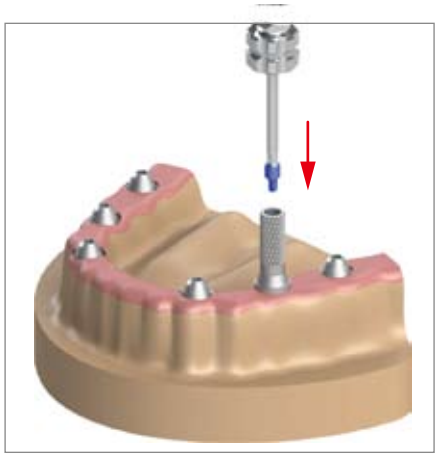
(13)
Using a MP-Cylinder-33 or a MP-Cylinder-43, fabricate prosthesis. On the model, be sure to use a screw for dental laboratory.

Caution:
Use a HEX Driver to fix the MP-Cylinder with light force (5Ncm - 10Ncm) on the model.

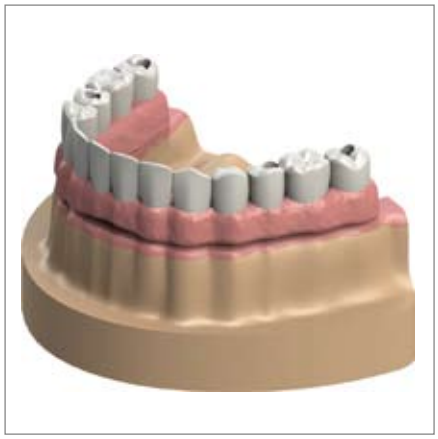


A grindable range:
6.0mm

Not grindable range
(Secure the length more than 5.0mm)



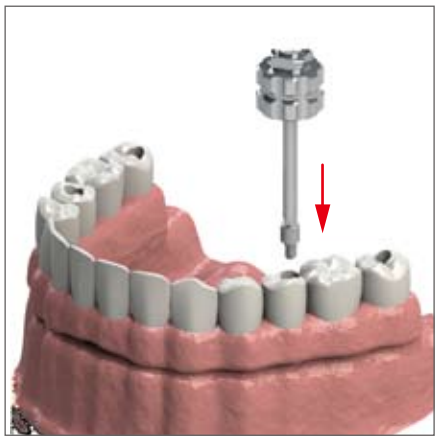
(14)
After installing the model onto an articulator, determine the configuration and occlusion and then fabricate prosthesis according to the usual procedure.



Chair side

(15)
Install the prosthesis onto the abutments and then tighten them with a MP-Cylinder Screw by using a HEX Driver.

Caution:
Do not use lab. screws inside the oral cavity.



(16)
Tighten a MP-Cylinder Screw by using a DS Torque Ratchet Wrench.

Caution:
The tightening value of a MP-Cylinder Screw must not exceed 15Ncm.
It is apprehended that it may cause breakage.

(17)
Insert cotton balls into the screw holes and then block the holes with resin.
Confirm on the fittness of the configuration and the necessity of the occlusal adjustment.

MEMO

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FDA K052254

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