



**B&B DENTAL**  
implant company



## PROSTHETIC PROCEDURES

### BASIC INFO

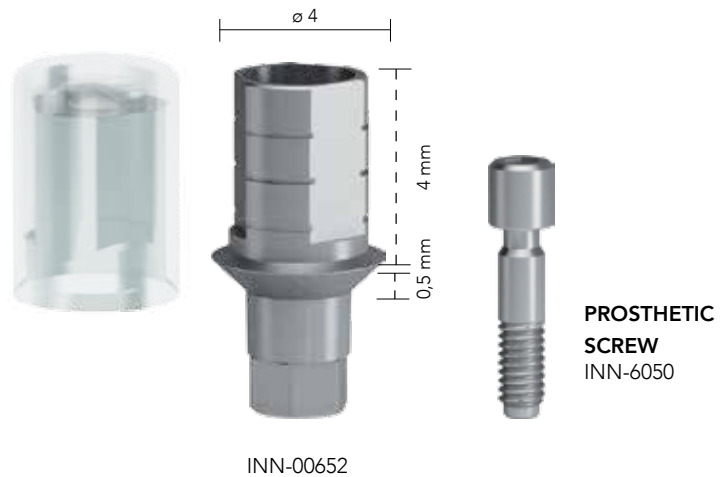
DURAVIT IMPLANT LINES  
*3P - EVOLUTION - WIDE*

# MULTI-SCAN ABUTMENT (cement-retained restoration)

## MULTI-SCAN ABUTMENT

They are used to fabricate a fully patient-customized abutment through the realization of a personalized part that can be bonded on the central portion of the pillar. Use NIMETIC CEM (3M Espe), PANAVIA 21 (Kuraray Medical Inc.) adhesive materials for bonding.

The portion of the customized abutment can be performed under the following options.



### TIGHTENING:



the prosthetic screw using the 1.25 Hex Screwdriver and Torque Wrench. Recommended torques for final seating 25 Ncm

### WITH CAD/CAM

By taking a scan of the seated abutment on the dental cast and by modeling of the customized abutment portion with a specific software.

The fabrication is performed in laboratory with a specific Computer-Assisted Machine or by a specialized production centre upon the receipt of the data file.



### WITH THE TRADITIONAL METHOD

By using a castable pre-fabricated placed on the abutment, adjustment and modeling with wax and/or acrylic and fabrication of the customized abutment portion through casting.

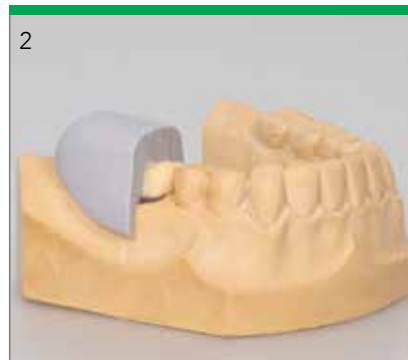


# MULTI-SCAN ABUTMENT SCREWABLE RESTORATION WITH THE TRADITIONAL METHOD



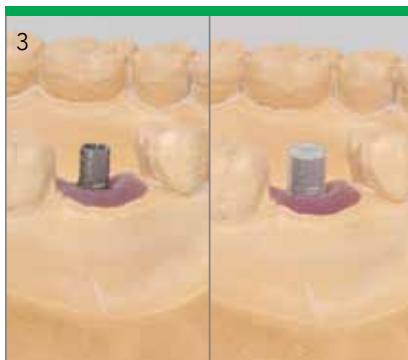
1

For optimal esthetic planning, model a full anatomical wax-up.



2

Make a silicone key over the full wax-up in order to define the optimal shape of the customized titanium abutment.



3

Place the Multi-scan abutment for single on the analog and hand-tighten the screws using the hexagonal screwdriver.

Place the castable cylinder onto the Multi-scan abutment.



4

Contour a wax model according to the anatomical circumstances of the individual cast.

Check the wax-up with the silicone key.



5

Casting and divestment.

Cast the framework in the conventional manner.

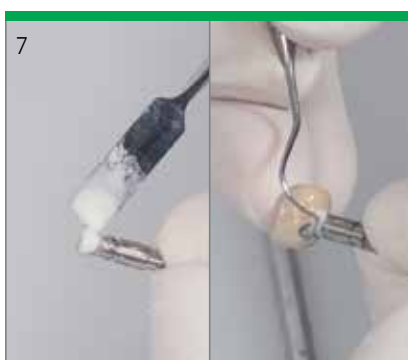


6

Verify that the metal crown fits precisely on the customized abutment.

Sandblast the metal crown in order to create a mechanical attach with the veneer.

Veneer the superstructure.



7

Cement the superstructure to the abutment.

Remove superfluous cement.



8

Position the abutment in the implant and tighten the screws to 25 Ncm using the hexagonal screwdriver along with the torque ratchet.

# MULTI-SCAN ABUTMENT SCREWABLE RESTORATION WITH CAD/CAM



1

Fabricating the scan model.  
Fabricate a master cast with the corresponding analog.

**Option A:** Fabricate a duplicate model made from scan plaster.  
**Option B:** Cast the master cast directly by using scan plaster.

For optimal esthetic planning, model a full anatomical wax-up and scan it too.

To determine the spacing available for further processing, the silicone key can be viewed on-screen.



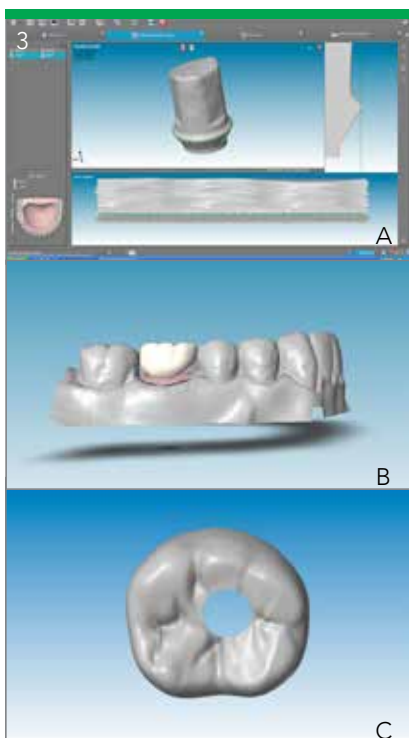
2

Put the scan model in the laser scanner.



4

Based on the design data, the customized structure is manufactured by a milling center.



3

Shape the abutment on screen, using the software.



5

Check the zirconium framework.

Veneer the superstructure.



6

Cement the superstructure to the abutment.

Remove superfluous cement.



7

Tighten the prosthetic screw to 25 Ncm using the hexagonal screwdriver along with the torque ratchet.