NobelActive®
NobelReplace® Conical Connection

Quick guide for implants with conical connection

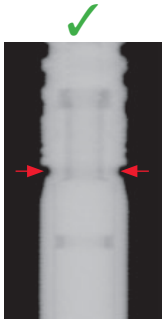
New users of the internal conical connection might require some time to familiarize themselves with placing abutments and impression copings. This quick guide describes procedures and gives helpful tips and tricks for both new and experienced users.

Note: This quick guide does not replace the instructions for use delivered with the products. For further information, please refer to the instructions for use for the implants and abutments.

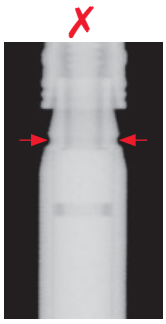
Seating of impression copings and abutments

Impression copings

The impression coping is designed so that the guide pin threads will not engage the implant unless the impression coping is seated properly. To verify the impression coping is properly seated, ensure that the groove in the impression coping is level to the implant shoulder. It is recommended to take a radiographic image to confirm the final position.



Properly seated impression coping. Note open space below impression coping less than ½ engaged coping and groove flush with platform.

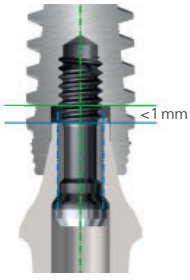


Hexagon not engaged, impression coping not fully seated. Note open space below impression coping larger than enganged coping and groove far from platform.

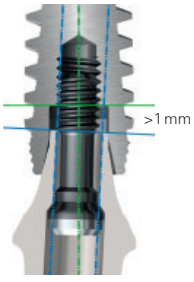
Hexagon engaged, but not fully seated. Note groove not seated with platform top. This situation could occur, if abutment caught up on bone interfering with full seating.

Abutments

1. Position the abutment into the implant head and make sure the hexagonal extension engages properly by turning and pushing gently.
2. Tighten the screw, but not to full torque at this point.
3. It is recommended to take a radiographic image to verify abutment seating.
4. Tighten the abutment screw to the final torque using the torque wrench.



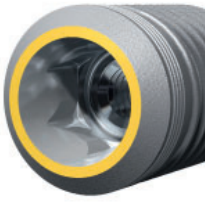
Abutment fully seated.



Abutment not fully seated due to interfering bone. Long axis is not aligned. Gap in conical interface. Bottom space is not parallel and is larger than 1 mm.

Rinsing of the internal conical connection

Due to the tight fit between implant and abutment, it is highly recommended to rinse the implant connection thoroughly before placing the restorative components including impression copings. Use either sterile saline or an antibacterial rinse without alcohol. This will ensure a correct positioning and avoid any blood or tissue remains to be trapped inside the connection.



Restorative components for implant level bridge restorations

Conical connection implants have a unique dual-function prosthetic connection that in addition to the internal conical connection for abutment-supported restorations also allows for multiple-unit restorations directly on implant level with:

– NobelProcera Implant Bridge Titanium
– NobelProcera Implant Bridge Zirconia
– GoldAdapt Non-Engaging

Important: As these restorations are seated on the implant shoulder and not in the internal cone, as indicated by the red line in the picture on the right, specific healing abutments and impression copings must be used.

– The Healing Abutment Bridge will prevent tissue overgrowth on the implant shoulder.
– The Impression Coping Open Tray Bridge will accurately capture the implant shoulder in the impression and facilitate a passive fit of the final restoration.

The bridge-specific healing abutments and impression copings are marked with a "B" (Bridge) for easy identification.

Healing Abutment Bridge

Impression Coping Open Tray Bridge

Removal of abutments

The internal conical connection offers a tight seal between the implant and the abutment. The Abutment Retrieval Tool Titanium CC and Abutment Retrieval Tool Zirconia CC may be used to facilitate easy removal of the following NP and RP abutments with internal conical connection:

Titanium
– Temporary Abutment Engaging
– Esthetic Abutment
– 15° Esthetic Abutment
– Narrow Profile Abutment
– Snappy Abutment
– NobelProcera Titanium Abutment

Zirconia
– Procera Esthetic Abutment
– NobelProcera Zirconia Abutment

Abutment Retrieval Tool Titanium CC

Abutment Retrieval Tool Zirconia CC*

* For handling instructions see product-specific instructions for use.

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