NobelPearl™ Tapered implant system

Quick guide

This quick guide does not replace the Instructions for Use. Please review the Instructions for Use before using the products.

Surgical procedure

Site preparation

Prepare implant site using NobelPearl Tapered Twist Drill 2.3 mm and respective NobelPearl Tapered Drill depending on implant to be installed.

The implant can be positioned 1.6 mm supracrestal (A) or 0.6 mm supracrestal (B).

For placement at 0.6 mm supracrestal, the NobelPearl Tapered Drill and NobelPearl Tapered Screw Tap must be inserted 1 mm deeper (B).

Note: For implant length of 14 mm, it is not recommended to place the implant 0.6 mm supracrestal.

Use of the NobelPearl Screw Tap is mandatory.

Note: Drill speeds for WP differ from RP. Please refer to the IFU.
Implant insertion

Insert the implant in the osteotomy with low speed (max. 15 rpm) using the NobelPearl Implant Driver Inter-X.

Tighten the implant with the NobelPearl Manual Torque Wrench using 20 – 30 Ncm insertion torque (max. 45 Ncm).

Note: The NobelPearl Implant Driver Inter-X has a predetermined fracture point of approximately 50 Ncm. Never use the NobelPearl Rescue Driver Inter-X for insertion.

Healing phase

Connect and tighten the NobelPearl Cover Screw Inter-X (D) or NobelPearl Healing Abutment Inter-X (E) to the implant (max. 5 Ncm).

Note: NobelPearl Tapered implants are intended for delayed loading.

Restorative procedure

Temporization

Create a temporary restoration using the NobelPearl Temporary Abutment Inter-X (F) and connect it to the implant with the NobelPearl Temporary Clinical Screw Inter-X (G) using a torque of 15 Ncm.
Impression taking

Take an impression using a closed (H) or open (I) tray.

Finalization

Conventional workflow:

Select an appropriate abutment. If necessary, adjust the height of the abutment. Only the conical part of the abutment can be shortened (J).

For work in the laboratory, the NobelPearl Lab Screw Inter-X (K) can be used (max. 5 Ncm).

Create a screw-retained or cement-retained restoration. The screw channel for the NobelPearl Definitive Clinical Screw Inter-X is Ø 2.8 mm. Alternatively, the screw channel can be reduced to Ø 2.2 mm.

Connect the abutment/restoration to the implant with the NobelPearl Definitive Clinical Screw Inter-X (L) using 25 Ncm torque. The NobelPearl Definitive Clinical Screw Inter-X may only be tightened once to the maximum torque.

Digital workflow:

Connect the NobelPearl Position Locator Inter-X (M) to the model using a maximum torque of 15 Ncm. Scan following the usual scan routines.

**Note:** The NobelPearl Position Locator Inter-X is not intended for intraoral scanning.

Select the appropriate NobelPearl Ceramic Base abutment from the implant library and design the crown/bridge. Send the design file to a milling machine.

Cement the crown/bridge to the NobelPearl Ceramic Base according to the cement manufacturer’s instructions.

Connect the abutment/restoration to the implant with the NobelPearl Definitive Clinical Screw Inter-X (L) using 25 Ncm torque. The NobelPearl Definitive Clinical Screw Inter-X may only be tightened once to the required torque.
Surgical and prosthetic components

NobelPearl Tapered (incl. cover screw)

Ø 4.2 mm  Ø 5.5 mm
8 mm  300755  300759
10 mm  300756  300760
12 mm  300757  300761
14 mm  300758

NobelPearl Cover Screw

300699  300701

NobelPearl Healing Abutments

Ø 4.2 mm
3 mm  300708
4 mm  300709
Ø 5.5 mm
3 mm  300710
4 mm  300712

NobelPearl Temporary Abutment¹

300714  300715

NobelPearl Abutments (incl. Definitive Clinical Screw)

Straight
1 mm  300664  300665
2 mm  300667  300668
15°
1 mm  300670  300671

NobelPearl Ceramic Base (incl. Definitive Clinical Screw)

Engaging  300673  300674
Non-Engaging  300676  300677

Lab components

Screws

Definitive Clinical Screw  300691  300691
Temporary Clinical Screw  300693  300693
Lab Screw  300695  300695

NobelPearl Impression Coping

Open Tray  300717  300718
Closed Tray  300720  300721
Closed Tray Long  300723  300724

NobelPearl Position Locator²

300726  300727

NobelPearl Implant Replica

300729  300730

NobelPearl Tapered Drill Stop

300766  300767  300768

NobelPearl Prosthetic Kit Inter-X

300771 NobelPearl Prosthetic Kit Inter-X Box
300661 NobelPearl Screwdriver RP/WP 19 mm
300678 NobelPearl Screwdriver RP/WP 33 mm
300681 NobelPearl Screwdriver RP/WP 28 mm
300764 NobelPearl Manual Torque Wrench Adapter
300765 NobelPearl Manual Torque Wrench

1 Including Temporary Clinical Screw
2 Including Lab Screw

1 Including Temporary Clinical Screw
2 Including Lab Screw

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