Ball Abutment Titanium

Overdenture Restoration Ball-retained

**Indications**
- Fully edentulous arch.
- Extensive bone or soft tissue loss.
- Compromised patient manual dexterity.
- Necessity for soft tissue support.
- Phonetic concerns.
- Implant placed too far posterior to connect with a bar.
- Allows for misangulation of up to 30° between implants.

1a. Abutment Connection
- Install the **Ball Abutments**. The top of the collar should be slightly supragingival.

- Tighten to 15 Ncm using the **Manual Torque Wrench Prosthetic** and **Screwdriver Machine Ball Abutment**.

1b. Adapting platform **WP to RP**
The **Adapter NobelReplace™ WP to RP** is a bushing that adapts a **WP** Nobel Biocare Implant with an internal connection to the **RP** Ball Abutment Titanium. The use of the adapter adds 0.5 mm to the total abutment height, which should be considered when choosing the Ball Abutment.

Push the Ball Abutment **RP** through the adapter into the implant. Tighten to 15 Ncm using the **Manual Torque Wrench Prosthetic** and **Screwdriver Machine Ball Abutment**.
2. Impression
- Record an impression using a custom tray.
- Insert the Ball Abutment Replicas in the impression and send the impression to the dental laboratory.

3. Laboratory Procedures
- A model is made and an occlusal rim is produced.

4. Jaw Relationship
- Make sure the rim does not make contact with the Ball Abutments. Record the jaw relationship.

5. Laboratory Procedures
- A tooth set-up in wax is produced.

6. Clinical Try-in
- Evaluate the wax set-up. Make sure that the rim does not make contact with the Ball Abutments.

7. Laboratory Procedures
- The Gold Caps are processed into the overdenture.
8. Delivery of Final Restoration
- Check the tightness of the Ball Abutment.
- Deliver the denture. Verify the occlusal relationship. If applicable, adjust the retention and confirm the hinge axis movement.
- The desired retention force of the Gold Caps should be adjusted by turning the lamellae retention insert clockwise (increasing) or counter-clockwise (decreasing) using the Screwdriver/Activator for Gold Cap.

*Note: Do not turn the Screwdriver/Activator more than one turn.*

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**Instrumentation**

- Prosthetic Kit
  *Includes:*
  - Manual Torque Wrench Prosthetic
  - Screwdriver Machine Unigrip™ 20 mm
  - Screwdriver Machine Unigrip™ 30 mm
  - Screwdriver Machine Multi-unit 21 mm

- Screwdriver Machine Ball Abutment

- Screwdriver/Activator