

## 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.

Product List for Clinical Procedures	External Connection	Internal Connection
Ball Abutment Titanium		
Abutment Replica Ball Abutment		
Gold Cap Ball Abutment		
Gold Cap Ball Abutment Insert		
Adapter NobelReplace™ WP to RP		

**Instrumentation**

<ul style="list-style-type: none"> <li>• Prosthetic Kit <i>Includes:</i> Manual Torque Wrench Prosthetic Screwdriver Machine Unigrip™ 20 mm Screwdriver Machine Unigrip™ 30 mm Screwdriver Machine Multi-unit 21 mm</li> </ul>	
Screwdriver Machine Ball Abutment	
Screwdriver/Activator	