

## Multi-unit Abutment

### Titanium

#### Indications

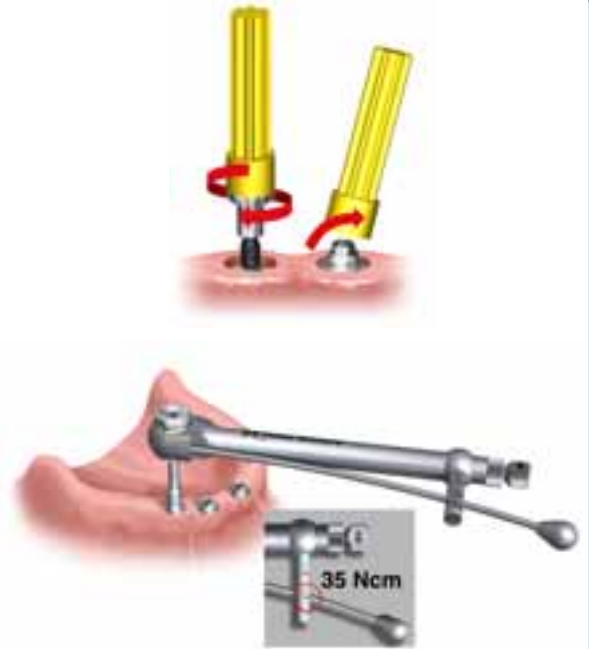
- Multiple unit restoration.
- Desire for greater ease of retrievability.
- Screw-retained.

**Note:** *There are specially designed Multi-unit Abutments for Zygoma implants. Use the same prosthetic procedure as for ordinary Multi-unit Abutments.*



#### 1a. Abutment Connection Straight Multi-unit Abutment

- Use the premounted plastic holder to place the abutment onto the implant and screw the abutment into the correct position.
- If necessary, shorten the holder with a pair of scissors.
- When the abutment is seated, the plastic holder should be removed with a slight bending movement.
- A radiograph can be helpful to confirm accurate seating of the abutment.
- Tighten the abutment screw to 35 Ncm using the **Manual Torque Wrench Prosthetic and Screwdriver Machine Multi-unit.**



#### 1b. Abutment Connection 17° and 30° Multi-unit Abutment

- The abutment is placed over the implant by using the premounted abutment holder. Please note that there are several possible positions in which to place the abutment.
- Tighten the abutment screw using a **Screwdriver Unigrip™** until resistance is felt.
- A radiograph can help to confirm accurate seating of the abutment.
- The holder is then unscrewed from the abutment by turning it counter-clockwise.
- Tighten the abutment screw to 15 Ncm using the **Manual Torque Wrench Prosthetic and Screwdriver Machine Unigrip™.**



**Note:** *Be sure not to exceed 15 Ncm.*

**2a. Closed Tray – Abutment Level Impression:**

- Connect the impression coping to the abutment.
- Inject impression material and record the impression.
- After setting, remove the impression and disconnect the impression copings. Attach the abutment replicas to each coping.
- Place the impression coping abutment replica assembly into its corresponding location in the impression.
- Connect the temporary restoration (see chapter Provisional Solutions) or healing cap and send the impression to the dental laboratory.



**2b. Open Tray – Abutment Level Impression:**

- Connect the impression coping on the abutment and tighten using the **Screwdriver Unigrip™**.
- Relieve and perforate the impression tray to allow full seating of the tray and protrusion of the guide pins. If there is a large opening, close it with baseplate wax, with the guide pins indenting or perforating the wax.
- Inject impression material and seat the impression tray fully so that the tips of all the guide pins are identified. After setting, unscrew the guide pins and remove the impression tray.
- Connect the temporary restoration (see chapter Provisional Solutions) or healing cap and send the impression to the dental laboratory.



### 3. Laboratory Procedures

- In the laboratory, a model is made and a restoration is produced.

*Alternatives:*

- **Procera® Implant Bridge**
- **Gold Coping Multi-unit** in cast restoration



### 4. Connection of Final Restoration

- Verify the tightness to 35 Ncm – For angled abutments to 15 Ncm.
- Connect the restoration to the abutments with prosthetic screws. Start with the mid region post and tighten the other screws alternating left and right sides.
- Tighten the prosthetic screws to 15 Ncm using the **Manual Torque Wrench Prosthetic and Screwdriver Machine Unigrip™**.
- Fill the screw access channel with a suitable material such as gutta-percha, silicone or temporary filling material.



Product List for Clinical Procedures	<i>External Connection</i>	<i>Internal Connection</i>
Multi-unit Abutment Available as straight, 17°, 30° <i>Includes:</i> Abutment Screw		
Prosthetic Screw Multi-unit for connection of Procera® Implant Bridge		
Impression Coping Closed Tray Multi-unit		
Impression Coping Open Tray Multi-unit		
Abutment Replica Multi-unit		
Healing Cap Available as regular/wide		