

# Basic information on the Straumann® Guided Adapter





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# 1. The Straumann® Guided Adapter

The Straumann® Guided Adapter is designed to be mounted on Straumann® implants using a Loxim® Transfer Piece; the implants should be inserted through a Straumann® Ø 5 mm sleeve. The Straumann® Guided Adapter provides visual depth control, and can be used either with the aid of the handpiece or manually, using the ratchet.



The laser markings on the Straumann® Guided Adapter are provided for identification. Please be aware that the correct Straumann® Guided Adapter must be used for the corresponding implant type. Using the wrong guided adapter type could result in placing the implant deeper than planned.

## 2. Mounting the Straumann® Guided Adapter

### Step 1

#### Find relevant depth

Find the relevant information for depth control in the surgical protocol. The Straumann® Guided Adapter has depth marks for the sleeve heights of H2, H4, and H6. Before implant placement, consult the surgical protocol and confirm the sleeve height for the corresponding implant site.



### Placement with the handpiece Example: Straumann® Standard Plus Implant

#### Step 2

##### Attach the handpiece adapter

Grasp the closed part of the implant carrier. Attach the handpiece adapter to the Loxim® Transfer Piece.



### Placement with the ratchet Example: Straumann® Bone Level Implant

#### Step 2

##### Attach the ratchet adapter

Hold the implant carrier at the closed end. Attach the ratchet adapter to the Loxim® Transfer Piece.



### Step 3

#### Remove the implant from the carrier

Simultaneously pull down the implant carrier and lift the implant out of the implant carrier. (Rest your lower arms on a firm surface, e.g. a table top, while doing this).



### Step 4

#### Grasp the Transfer Piece

Use an instrument tweezer (046.110) to grasp the Loxim® Transfer Piece near to the tissue level implant shoulder, rotate, and push down the handpiece. A click will be heard when the handpiece adapter is attached correctly.



## Placement with the ratchet

### Example: Straumann® Bone Level Implant

### Step 3

#### Remove the implant from the carrier

Pull the implant carrier slightly downward to remove the implant from the implant carrier. At the same time lift the implant from the carrier with a slight twisting movement. (Rest your lower arms on a firm surface, e.g. a table top, while doing this).



### Step 4

#### Grasp the Transfer Piece

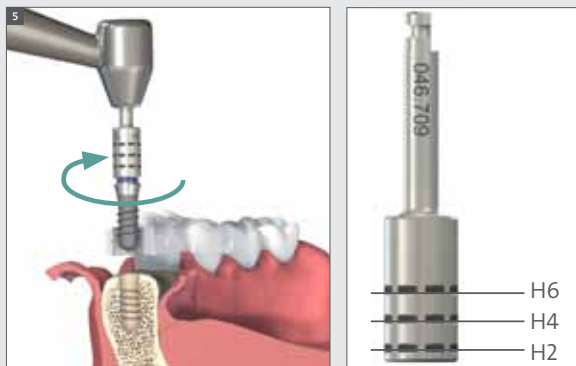
Use an instrument tweezer (046.110) to grasp the Loxim® Transfer Piece near to the bone level implant shoulder. **For implants with CrossFit® connection, ensure the lines on the Straumann® Guided Adapter has are aligned with the dots on the Loxim® Transfer Piece.** Rotate and push down the ratchet. A click will be heard when the ratchet adapter is attached correctly.



### Step 5

#### Place the implant

Use the handpiece to place the implant into the respective sleeve of the surgical template. Align the cylindrical part of the guided adapter with the sleeve axis. Insert the implant with a maximum of 15 rpm, turning it clockwise. Use visual depth control to ensure the correct sleeve height for the corresponding implant site. Note that the lower limit of each visual depth control line shows the correct insertion depth.



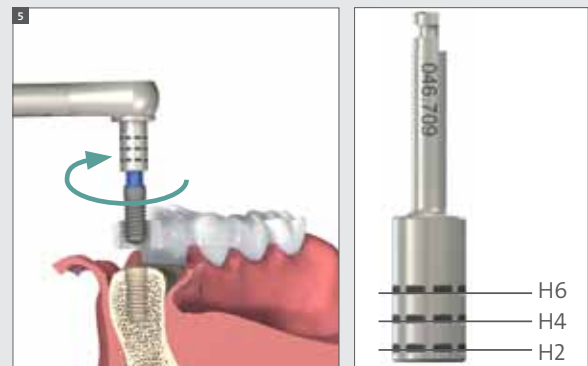
### Placement with the ratchet

#### Example: Straumann® Bone Level Implant

### Step 5

#### Place the implant

Use the ratchet to place the implant into the respective sleeve of the surgical template. Align the cylindrical part of the guided adapter with the sleeve axis. Insert the implant with a maximum of 15 rpm, turning it clockwise. Use visual depth control to ensure the correct sleeve height for the corresponding implant site. Note that the lower limit of each visual depth control line shows the correct insertion depth.



### Step 6

#### Correct implant orientation (only needed for Bone Level Implants; not needed for S/SP/TE)

While approaching the final implant position make sure that one of the four laser markings on the transfer part is exactly orientated orofacially. This positions the four protrusions of the internal connection for ideal prosthetic abutment orientation. A quarter turn to the next mark corresponds to a vertical displacement of 0.2 mm.



## Placement with the ratchet Example: Straumann® Bone Level Implant

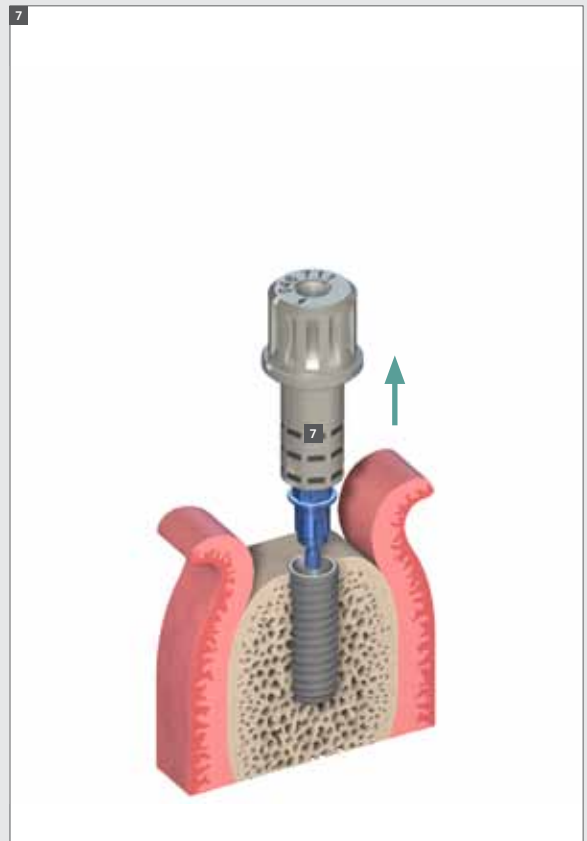
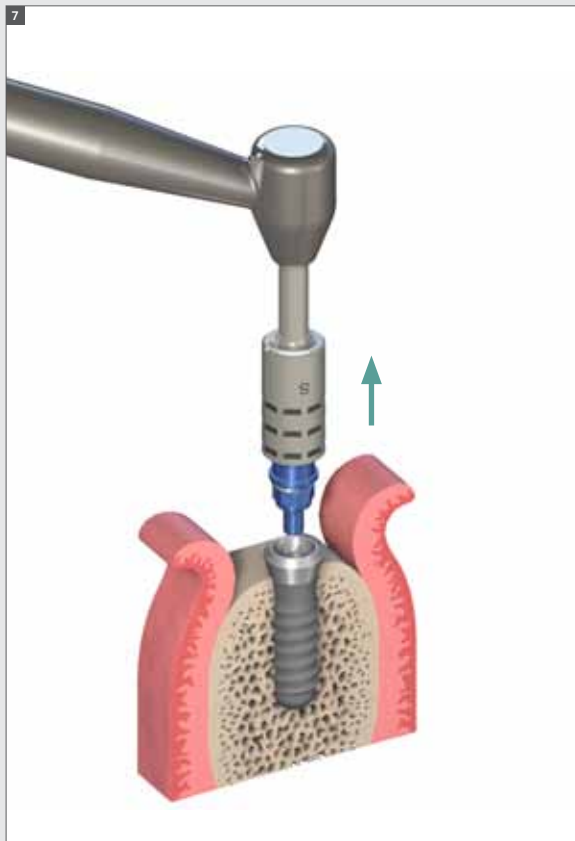
### Step 7

#### Remove the instruments using the Loxim® Transfer Piece

The Loxim® Transfer Piece can easily be re-inserted to complete an incomplete implant placement. If the implant needs to be removed during implantation surgery, the Loxim® Transfer Piece allows for counterclockwise turns.

If the Loxim® Transfer Piece breaks during implant insertion, do not continue to use the guided adapter but change into a conventional adapter. For further details, please consult the brochure *Basic information on the surgical procedures*, NAMLIT 1017 in section “Additional information for implants with the Loxim® Transfer Piece.”

To remove the broken Loxim® part from the guided adapter, use a metal pin to push through the hole on top of the handpiece guided adapter, or the hole through the ratchet connection.





### 3. Notes

- \*\*The Straumann® Ø 5 mm sleeve does not allow the placement of a WN Implant, since the implant is Ø 6.5 mm in diameter at its widest part.
- The H4 or H6 sleeve position is recommended when planning to use the Straumann® Guided Adapter for Straumann® Standard Tissue Level Implants, to ensure sufficient contact between the guiding cylinder and the sleeve.
- When mounting the guided adapter on Straumann® Bone Level and Straumann® Bone Level Tapered Implants, ensure that the lines on the guided adapter are aligned with the dots on the Loxim® Transfer Piece before engaging. This ensures correct prosthetic abutment orientation.
- The guided adapter must be fully engaged with the Loxim® Transfer Piece to ensure depth control.
- The matrix below indicates when use of the guided adapter is applicable. Note that guided tapping is limited to 12mm.

|                 | Implant length | 4 mm | 6 mm   | 8 mm | 10 mm | 12 mm | 14 mm                    | 16 mm |
|-----------------|----------------|------|--|------|-------|-------|--------------------------|-------|
| Sleeve position | H2<br>2 mm     |      | Full guided implant bed preparation and guided implant insertion** |      |       |       | Guided Tap not available |       |
|                 | H4<br>4 mm     |      | Full guided implant bed preparation and guided implant insertion** |      |       |       |                          |       |
|                 | H6<br>6 mm     |      | Full guided implant bed preparation and guided implant insertion** |      |       |       |                          |       |

# 4. Product reference list

| Art.-No. | Product   | Description                             |
|----------|---|---|
| 046.708  |    | SP/NNC/TE Guided Adapter, for handpiece |
| 046.709  |    | S Guided Adapter, for handpiece         |
| 026.0083 |    | BL/BLT Guided Adapter, for handpiece    |
| 046.710  |    | SP/NNC/TE Guided Adapter, for ratchet   |
| 046.711  |    | S Guided Adapter, for ratchet           |
| 026.0084 |   | BL/BLT Guided Adapter, for ratchet      |
| 046.110  |  | Instrument Tweezers                     |
| 046.119  |  | Ratchet                                 |



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