To complete the following procedure, you will need:

**Instruments** (refer to back for other size options)
- SCS screwdriver [046.401]
- Ratchet [046.119]
- Solid abutment driver [046.068]
- Torque control device [046.049]
- Holding key [046.064]

**Components** (refer to back for other size options)
- Solid abutment [048.540]
- Impression set [040.381]
- Temporary coping, crown [048.655]
- Protective cap [048.047V4]
- Burnout coping, crown [048.245]

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1. **Remove any debris from head of healing cap.**

2. **Use an SCS screwdriver to loosen, lift, and remove healing cap.**

3. **Clean and dry internal aspect of the implant.**

4. **Align groove of RN solid abutment with line on driver shaft. Insert abutment into driver.**

5. **Bring abutment to the mouth with driver.** *(When inserting WN solid abutments, an SCS screwdriver is used instead.)*

6. **Insert abutment into implant and finger tighten with the driver.**

7. **Place looped-end of assembled ratchet with torque control device over driver handle.**

8. **Directional arrow must be pointing **clockwise** (towards torque bar with tear drop). If not, pull arrow out, flip over, and push back in.**

9. **For stabilization, place pin-end of holding key into coronal hole on driver handle.**

10. **Use one hand to hold the holding key. Use the other hand to hold the torque bar.**

11. **Grasp only the tear drop and move the torque bar to the 35 Ncm mark.**

12. **Lift and remove the holding key, ratchet with torque control device, and solid abutment driver.**

13. **Solid abutment in place and ready for impression. Once the abutment has been torqued in, it should **not** be removed.**

14. **“Snap” impression cap onto implant shoulder. Rotate the cap slightly to ensure that it is securely seated.**

15. **Line up internal flat side of positioning cylinder with flat side of abutment. Positioning cylinder must be flush with impression cap when seated.**

16. **Syringe impression material around positioning cylinder and impression cap.**
The impression (with positioning cylinder and impression cap picked-up) is sent to the lab.

The lab will choose corresponding analog and “snap” it into impression. Pour up in stone.

The lab will then select appropriate burn-out coping (crown or bridge) and “snap” it onto the analog. Trim coronal height of coping as necessary, wax-up, and cast. Use reamer instrument to remove the lip after casting.

After the impression is taken, use the temporary coping to make a custom provisional restoration or use the corresponding plastic protective cap, and secure with temporary cement.

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For more detailed instructions, refer to the brochure “Fixed crown and bridge restorations with the solid abutment system” (USLIT 045).

**RN** = Regular Neck (Ø 4.8 mm restorative platform)

**WN** = Wide Neck (Ø 6.5 mm restorative platform)

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**Important:** As with all products that are used intraorally, care must be taken to prevent aspiration. For example, instruments such as screwdrivers should be tied with a ligature.

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**Instrument options**

<table>
<thead>
<tr>
<th>SCS screwdrivers for ratchet</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Extra short (046.400)</td>
<td><img src="Image" alt="Extra short screwdriver" /></td>
</tr>
<tr>
<td>Short (046.401)</td>
<td><img src="Image" alt="Short screwdriver" /></td>
</tr>
<tr>
<td>Long (046.402)</td>
<td><img src="Image" alt="Long screwdriver" /></td>
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<table>
<thead>
<tr>
<th>Solid abutment drivers</th>
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<tr>
<td>Short (046.067)</td>
<td><img src="Image" alt="Short solid abutment driver" /></td>
</tr>
<tr>
<td>Long (046.068)</td>
<td><img src="Image" alt="Long solid abutment driver" /></td>
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</tbody>
</table>

**Component options**

Straumann solid abutments and their corresponding positioning cylinders and analogs are color-coded according to height for easy identification. Transfer components come packaged together in impression sets and are also available separately.

**Yellow = RN 4.0 mm**

- Solid abutment (048.540)
- Impression set (040.381)
- Protective cap (048.047V4)

**Green = WN 4.0 mm**

- Solid abutment (048.545)
- Impression set (040.380)
- Protective cap (048.051)

**Temporary copings (white)**

- RN, crown (048.655)
- RN, bridge (048.654)
- WN, crown (048.657)
- WN, bridge (048.656)

**Grey = RN 5.5 mm**

- Solid abutment (048.541)
- Impression set (040.383)
- Protective cap (048.048V4)

**Brown = WN 5.5 mm**

- Solid abutment (048.546)
- Impression set (040.384)
- Protective cap (048.052)

**Burn-out copings (white)**

- RN, crown (048.245)
- RN, bridge (048.246)
- WN, crown (048.247)
- WN, bridge (048.248)

**Blue = RN 7.0 mm**

- Solid abutment (048.542)
- Impression set (040.382)
- Protective cap (048.049V4)

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After removing the protective cap or provisional crown, remove temporary cement and clean abutment thoroughly.

Use permanent cement to place final crown. Make sure to remove all excess cement.

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For more detailed instructions, refer to the brochure “Fixed crown and bridge restorations with the solid abutment system” (USLIT 045).

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