Straumann® CARES® Implant-borne prosthetics

Basic Information
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1 Introduction

Purpose of this guide
This guide was created for dental technicians working with the Straumann® CARES® Visual software for designing customized abutments, bars and screw-retained bridges.

Additionally, it provides complementary information regarding the conventional working steps in the dental laboratory when working with the Straumann® CARES® CAD/CAM system e.g. correct handling of the scanbodies, wax-up sleeves, etc.

Additional brochures are:
- Basic information on Tooth prosthetic procedures, 152.821
- Basic Procedure Straumann® CARES® System, 701098
- Straumann® CARES® 8.8, 490.020/en

All of the described devices are CAD-derived and CAM-manufactured. Straumann® CARES® Visual supports you designing the devices within indication-related conditions.

Instructions provided are insufficient to serve as the only means for processing and placing Straumann® CARES® Implant-borne prosthetics related components. Only those dental professionals thoroughly trained in dental restorations should be processing and placing these devices. Processing and placing Straumann® CARES® Implant-borne prosthetics and related components without proper training may lead to failure of the restoration. Restoration failure may lead to restoration removal or other complications.

Failure to follow the procedures outlined in these instructions may harm the patient and/or lead to any or all of the following complications:

- Aspiration or swallowing of a component
- Breakage
- Infection

Note
- Implant-borne superstructures require optimal oral hygiene on the part of the patient. This must be considered by all involved parties when planning and designing the restoration.
- Consult the brochure Basic Information on the Surgical Procedures, 152.754 for information on indications and contraindications of Straumann® Dental implants, such as required minimum number of implants, implant type, diameter and loading protocols.

Note
- Implant-borne superstructures require optimal oral hygiene on the part of the patient. This must be considered by all involved parties when planning and designing the restoration.
- Consult the brochure Basic Information on the Surgical Procedures, 152.754 for information on indications and contraindications of Straumann® Dental implants, such as required minimum number of implants, implant type, diameter and loading protocols.
2 General information

CARES® Prosthetics incorporates state-of-the-art technology
The Straumann® CARES® Implant-borne prosthetics provide you with customized solutions for single tooth, multiple tooth gaps and fully edentulous jaws. Different materials and kinds of restorations are available to give you flexibility in the way you restore the implants.

2.1 Restorative options with the Straumann® CARES® portfolio

<table>
<thead>
<tr>
<th></th>
<th>Single-tooth restoration</th>
<th>Bridges</th>
<th>Edentulous</th>
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<tr>
<td></td>
<td>Screw-retained</td>
<td>Cement-retained</td>
<td>Screw-retained</td>
</tr>
<tr>
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<tr>
<td>CARES® X-Stream™ solution</td>
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CARES® X-Stream™

The one-step prosthetic solution: 1 scan, 1 design, 1 delivery

CARES® X-Stream™ is an innovative example of an efficient digital workflow, streamlining clinical steps and simplifying long processes, while ensuring high quality prosthetics.

CARES® X-Stream™ provides a full prosthetic solution, flexible in use, to restore Straumann implants. With only one scan and one simultaneous and adaptive prosthetic element design, all required prosthetic components (e.g. Variobase® Abutments and their relevant bridge) are manufactured in the Straumann validated environment and arrive together in one delivery with an excellent fit of the components. This optimization of the necessary processing steps reduces turnaround time and related costs considerably.

CARES® X-Stream™ restorative options

<table>
<thead>
<tr>
<th>Ceramic</th>
<th>Metal</th>
<th>Polymer</th>
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</thead>
<tbody>
<tr>
<td>nice™ (lithium alumino-silicate ceramic reinforced with lithium disilicate available in 12 shades)</td>
<td>IPS e.max® CAD (Lithium-disilicate available in 45 shades)</td>
<td>zeron® UTML™ (Ultra translucent multi-layered zirconium dioxide available in 4 VITA shades and 1 Bleach shade)</td>
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<tr>
<td>zeron® ML™ (High translucent multi-layered zirconium dioxide available in 3 shades)</td>
<td>3M™ ESPE™ Lava™ Plus Zirconia™ (High translucent zirconium dioxide available in 16 VITA shades and 2 Bleach shades)</td>
<td>zeron® (Low translucent zirconium dioxide available in 9 shades)</td>
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<tr>
<td>coro® (Cobalt Chromium)</td>
<td>ticon® (Titanium Grade 4)</td>
<td>polycon® ae® (PMMA available in 5 shades)</td>
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Tooth replacement options

<table>
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</thead>
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<td>zeron® ML™ (High translucent multi-layered zirconium dioxide available in 3 shades)</td>
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<td>ticon® (Titanium Grade 4)</td>
<td>polycon® ae® (PMMA available in 5 shades)</td>
</tr>
</tbody>
</table>

1 Application and material availability might differ from country to country. Please contact your local sales representative for a detailed overview of the available applications and prosthetic lines. 2 Bridges and bars are available with up to 10 implant abutment connections. 3 Molar bridge excluded. 4 Not available for Bars. 5 Only available for Fixed bars. 6 Not available for NNC and WN. 7 Not available for NNC. 8 Restorations only available without screw channel hole. 9 Restorations only available with screw channel hole.
2.2 Technical requirements

There are many ways to a CARES® Restoration. Therefore there are different "combinations" of infrastructure which are required for designing and ordering Straumann® CARES® Restorations:

Desktop scanner
The patient situation can be taken with a conventional impression tray. The dental laboratory scans the fabricated master model (preferably with removable segments) with a Straumann® approved desktop scanner.

Software
The restoration is designed with Straumann® CARES® Visual or a Straumann® approved software (e.g. plug-in with Dental Wings Software Version 3.5, 3shape software version 2.8.8.7, or 3M™ Lava Scan ST with DWOS 7.0 installed), which is engineered to ensure that the restoration dimension complies with the Straumann® manufacturing capabilities.

Intraoral scanners (incl. repositionable implant analogs)
The patient situation can be scanned with a Straumann® approved intraoral scanner (e.g. iTero™ or 3M™ True Definition Scanner. The data can be imported in the Straumann® approved software (e.g. Straumann® CARES® Visual version 5.10 or higher).

Straumann® CARES® Solution WS (working station) is a solution for customers who do not require scanning the physical master cast and therefore do not have to invest in a desktop scanner.

Scan & Shape Service
If the dental laboratory does not have a Straumann® approved desktop scanner but wishes to order a Straumann® CARES® prosthetic component, they may send in their stl file, master model or wax-up of the restoration to the Straumann® CARES® Scan & Shape service.1

1 The CARES® Scan & Shape service is not available in all countries, please check with your local sales representative for further information. Additional information about the CARES® Scan & Shape service can be found in the brochures "The Way To Straumann® CARES® Abutments" and "Straumann® CARES® Scan & Shape Process Guide"
2.3 System overview

<table>
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<tr>
<th>Category</th>
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1. For CARES® Abutments, ZrO2
2. For CARES® Abutments, Ti and TAN; for Straumann® Variobase®
3. For CARES® Screw-retained bridges and bars, Ti and coron®
4. For Straumann® Screw-retained abutment level for CARES® Screw-retained bridges and bars, Ti and coron®
5. Article numbers of the Straumann® Variobase® ordered with CARES® X-Stream™
3 Preparation for CARES® Visual

Pre-conditions
• The tooth shade has been identified and noted (via color chart or digital measuring device).
• Impression has been taken.

Both, shade information and impression were sent to the dental lab.

3.1 Fabrication of the master cast

Fabricate the master cast using standard methods and type 4 dental stone (ISO 6873). A gingival mask should always be used to ensure the emergence profile is optimally contoured. To ensure high-quality restorations, the following requirements must be considered:
• Only use new, undamaged and original Straumann® Implant/Abutment analogs.
• The implant analogs must be embedded in the stone and must not move in the model.
• A gingival mask should always be used to ensure the emergence profile is optimally contoured. For CARES® SRBB, a large range removable gingival mask is necessary to enable Straumann to conduct a fit check.
• Preferably use scannable material for the gingival mask.

Important note for CARES® SRBB on Straumann® Screw-retained Abutments

Please keep in mind that CARES® SRBB are milled based on their master cast. Therefore, a precise replication of the oral situation is essential for a good fitting of the CARES® SRBBs.

For abutment-level CARES® SRBB, the master cast represents the oral situation. Therefore, it is necessary to use a master model with abutment analogs, created from an oral abutment-level impression of the final abutments, and torqued with 35 Ncm.

Master models with subsequently hand-tightened (< 35 Ncm) abutments may not accurately represent the oral situation and therefore could lead to a poor fitting restoration with height and alignment deviations, although it will fit the model. Therefore, when it is required to place abutments subsequently on the master model, only a torque of 35 Ncm will represent the final oral situation adequately. The subsequently placed abutment should be rotated so that it fits against one end of the implant/abutment interface’s play and the dentist must be informed that the abutment has to be rotated in the same direction during oral placement.

If a SRBB on subsequently placed Screw-retained Abutments is ordered, the stone model with the torqued abutments is required for production.
3.2 Planning/Wax-up sleeves

For optimal esthetic planning, especially in the labial region, design a full anatomic wax-up and confirm the size and position intraorally.

For CARES® Abutments, the wax-up can be scanned with the wax-up sleeve holder and ordered (as an alternative to designing it in CARES® Visual) – for more information see brochure Basic procedure CARES® system, 701097.

For CARES® Screw-retained bridges, the wax-up can be scanned and used as a reference when designing the restoration in CARES® Visual.

Wax-up sleeves
Wax-up sleeves are used for waxing-up the abutment.

Note: The wax-up sleeves are designed for single use only. If they are used more than once, an accurate reproduction of the abutment’s position with reference to the implant position cannot be guaranteed and the milling results may be inaccurate.

3.2.1 Straumann® CARES® Wax-up kit
The Straumann® CARES® Wax-up kit includes all wax-up sleeve holders which are required for placing the wax-up sleeves in the desktop scanner. They are required for correct scanning of the customized abutment.

Article number: 019.0063. Straumann® CARES® Wax-up kit (used for Straumann® Abutments)
### 3.2.2 Step-by-step instructions for use

Insert a wax-up sleeve into the master cast.

**A Shortening wax-up sleeves in general**

The section above the implant shoulder represents the minimum body, and must not be ground (displayed red in the graphic to the left). Only in the upper section can the wax-up sleeve be reduced (displayed green in the graphic to the left). Do not wax below the basal margin of the wax-up sleeve (red arrow).

**Note:** Sharp-edged modeling must be avoided.

**B Shortening wax-up sleeves for Variobase™ Abutments**

The wax-up abutment must have a minimal height due to the Variobase™ Abutment height. The section above the implant shoulder represents the minimum body and must not be ground (displayed red in the graphic below). Only in the upper section can the wax-up sleeve be reduced (displayed green in the graphic below). Do not wax below the basal margin of the wax-up sleeve (red arrow).
C Waxing up the abutment/screw-retained bridge
Use only scannable wax to ensure an accurate scan (e.g. CopyCAD Wax from Straumann®). If no scannable wax is used, apply scan spray.

Note: To ensure stability, it is recommended to make a frame with modeling resin with low shrinkage when waxing up bridges.

The projecting part of the wax-up sleeve must always be cut off before scanning, otherwise this section will also be scanned and therefore milled.

3.2.3 Maximum geometry for production of CARES® Abutments

<table>
<thead>
<tr>
<th>Implant platform</th>
<th>NC</th>
<th>RC</th>
<th>RN</th>
<th>WN</th>
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</table>

Maximum geometry dimension

| CARES® Abutment, ZrO₂ art. no. | 027.2650 | 027.4650 | 040.688 | – |
| CARES® Abutment, Ti art. no. | 027.2620 | 027.4620 | 040.689 | 040.694 |
| CARES® Abutment, TAN art. no. | 010.6000 | 010.6001 | 010.6002 | 010.6003 |

Note: The angulation of the wax-up must not exceed 30°.

Option A: Full anatomic design

A full anatomical wax-up should also be prepared for optimal esthetic planning. Use the wax-up sleeve to model the shape of the full anatomic temporary abutment.
Option B: Reduced anatomic design

A reduced anatomical wax-up should also be prepared for optimal esthetic planning.

Prepare a silicone key over the full wax-up to determine the optimal shape of the restoration.

Option C: Design of a coping

Use the wax-up sleeve to model the shape of the coping

Check the wax-up with the silicone key.
3.3 Straumann® Scanbodies

Product description
The Straumann® Scan Bodies represent the position and orientation of the respective dental implant or analog in CADCAM scanning procedures. This helps the CADCAM software to correctly align the subsequent CADCAM restorations.

Product overview
Straumann® offers two different types of scanbodies which differ in terms of handling and scanner compatibility:
- Straumann® CARES® Mono scanbody (on implant and abutment level)
- Straumann® Scanbody

Make sure to select the correct Straumann® Scanbody according to the software version (see compatibility chart on page 8).

Note: The Straumann® Scanbodies and all components are intended for single use only. Multiple use of a scanbody can lead to inaccurate results. Make sure the stability of the dental implant is sufficient to support the screwing/unscrewing operations of the scanbodies. Scan spray is not required at any time.

3.3.1 Straumann® CARES® Mono Scanbody

Product properties and benefits at a glance
Improved handling
- Single component incl. self-retaining screw
- Abutment level on Straumann® Screw-retained abutment
- Improved functionality
- Optimized geometry for the Straumann® CARES® Scan CS2 scanner and iTero™
- Optimized system configuration for multi-unit restorations
- Well-accepted material
- PEEK for excellent scanning results
Step-by-step instructions for use

Assembling

Check proper fit of the scanbody in the analog and hand-tighten the self-retaining screw (maximum 15 Ncm). Only use the Straumann® SCS Screwdriver to fix the post in the analog. Check again for proper fit and for any rotational or vertical looseness. If a single-tooth restoration is planned, orient the angled surface of the scanbody buccally (not adjacent to the approximal tooth).

Avoid any contact of the scanbody to the approximal teeth.

3.3.2 Straumann® Scanbody

A Product properties and benefits at a glance

Two-component scanbody
- Contains scan post, scan cap and fixation screw

For single-tooth restorations
- Scanbody geometry to meet requirements of etkon™ es1 and iTero™ scanners.

Well-accepted material
- PEEK for excellent scanning results

B Step-by-step instruction for use

Assembling

Before placing the scanbody in the master cast, ensure that all components are clean and in undamaged condition (neither scratches, deformations nor discolorations). Check proper fit of the scan post in the analog, insert the fixation screw and hand-tighten (maximum 15 Ncm). Only use the SCS Screwdriver to fix the post in the analog. Check again for proper fit to prevent any rotational or vertical looseness.

Place the scan cap on the scan post. Ensure that the flat parts in the connection area of the scan cap and the scan post are aligned to one another. The flat parts are the rotational security feature between scan cap and scan post. If correctly placed, the cap clicks on the post. Slightly press with your fingertip to avoid any gaps between cap and post.
4 Restorations, designing and finishing

4.1 Restoration: CARES® Abutment

Intended use
- Cement-retained crowns
- Cement-retained bridges via mesostructure
- Screw-retained, directly veneerable crowns (CARES® Abutments, ZrO₂ and TAN)

Material:
- Titanium grade 4
- Titanium-Aluminium-Niobium (TAN)
- Zirconium dioxide

Contraindication
- Allergies to materials used, which may include any or all of the following: zirconium dioxide (ZrO₂), yttrium oxide Y₂O₂, Aluminum oxide Al₂O₃, Hafnium dioxide HfO₂, titanium (Ti), titanium alloy (TiAl₆N₇ titanium, niobium, aluminum or TAN).

Characteristics
- CARES® Abutment, TAN is proven for direct veneering thanks to its outstanding material characteristics. This is the abutment of choice for screw-retained one piece metal restorations
- CARES® Abutment, ZrO₂ is the abutment of choice in the anterior region and for patients with thin gingiva
- Anatomic emergence profile
- A patient-specific emergence profile supports soft tissue management and an esthetic outcome
- Straumann® Guarantee for Straumann® CARES® Abutments
4.1.1 Designing CARES® Workflow

Step 1 – Preparation for CARES® Visual
Follow the preparation requirements according to chapter 3

Step 2 – Designing with CARES® Visual
Design the restoration according the brochure Straumann® CARES® Visual, 152.825

4.1.2 Finishing of the Straumann® CARES® Abutment Titanium at the dental lab
Fabricate a Meso abutment made of Titanium Grade 4 for cement-retained restorations.

Cement-retained crown
- Mount the Straumann® CARES® Abutment Titanium on the implant analog
- Use a standard procedure to fabricate the cement-retained single crown
- Veneer the restoration, if necessary, and/or polish the final restoration

Note: Always use a polishing aid to protect the abutment’s prosthetic connection.

Preparation for delivery to the dentist
- Clean the restoration before it is sent to the dentist
- Fix the final restoration hand-tight on the master cast

4.1.3 Finishing of the Straumann® CARES® Abutment TAN at the dental lab

The anatomically shaped CARES® Abutment TAN is a proven solution for direct veneering in screw-retained solutions.
- Fabricate a screw-retained crown with a ceramic which is compatible with the thermal expansion coefficient of TAN.
- Straumann® CARES® TAN Abutments have a thermal expansion coefficient of $9.9 \times 10^{-6}$ K$^{-1}$ within the range of $20^\circ C – 500^\circ C/68^\circ F – 932^\circ F$.

Note: Particular attention must be given to an even layer thickness of the porcelain veneered on the abutment.

The firing process develops a mechanically stable and biocompatible oxide layer.
The oxide layer must not be removed from the implant abutment connection.
Step 1 – Sandblasting
Sandblast only with noble corundum.
- Grain size 120–150 µm and 2 bar pressure
- Blast in angle 45° to object
- Steam clean the surface

**Note:** Do not sandblast the connection! Protect the connection either with polishing aid or implant analog.

Step 2 – Veneering crown
**Important:** for this step, the processing instructions of the respective veneering material manufacturer apply.

**Note:** Any titanium veneering material can be used

Step 3 – Finishing crown
- Polish the emergence profile between connection and ceramic veneering.
- Protect the connection with the polishing aid or implant analog.

**Note:** The connection must not be polished.

Step 4 – Preparation for delivery to the dentist
- Clean the restoration before sending to the dentist
- Screw the final restoration hand tight on the master cast
4.1.4 Finishing of Straumann® CARES® Abutment ZrO₂ at the dental laboratory

Option A: Screw-retained crown

Straumann® CARES® Ceramic Abutment
• Fabricate a screw-retained crown with a ceramic that is synchronized to the thermal expansion coefficient of zirconium dioxide.
• Straumann® CARES® Ceramic Abutments made of zirconium dioxide have a thermal expansion coefficient of $10.5 \times 10^{-6}/K$ ($25°C–500°C, 77°F–932°F$).

**Note:** Particular attention must be given to an even layer thickness of the porcelain veneered on the abutment.

Option B: Cement-retained crown

• Mount the Straumann® CARES® Ceramic Abutment on the implant analog.
• Use a standard procedure to fabricate the cement-retained single crown.
• Veneer the structure.

Preparation for delivery to the dentist
• Clean the restoration before sending to the dentist.
• Fix the final restoration hand tight on the master cast.
4.1.5 Insertion (dentist’s office)

Straumann® CARES® Abutments – Prosthetic procedure

Preparation
- Remove the healing cap or temporary restoration.
- Remove the superstructure from the master cast and/or unscrew the abutment from the analog.
- Clean and dry the interior of the implant and the abutment thoroughly.

Note: Use transfer aids. Never use cement when the abutment is inserted into the implant. Straumann® CARES® Abutments made from zirconium dioxide are not autoclavable and must not be cleaned by steam blasting.

Final insertion Straumann® CARES® Abutments

Option A: Screw-retained crown
- Position the cleaned Straumann® CARES® Abutment in the implant.
- Tighten the screw to 35 Ncm using the SCS Screwdriver along with the ratchet and the torque control device.
- Close the SCS configuration of the screw with cotton and sealing compound (e.g. gutta-percha). This allows a later removal of the customized abutment in case a crown replacement is required.

Option B: Cement-retained crown
- Position the cleaned Straumann® CARES® Abutment in the implant.
- Tighten the screw to 35 Ncm using the SCS Screwdriver along with the ratchet and the torque control device.
- Close the SCS configuration of the screw with cotton and sealing compound (e.g. gutta-percha). This allows a later removal of the customized abutment in case a crown replacement is required.
- Cement the superstructure to the abutment.
- Remove superfluous cement.

Note: Use only the special basal screws provided for the Straumann® CARES® Abutment.
4.2 CARES® X-Stream™

The one-step prosthetic solution: 1 scan, 1 design, 1 delivery
CARES® X-Stream™ is an innovative example of an efficient digital workflow, streamlining clinical steps and simplifying lengthy processes for implant-based prosthetic restorations.

Intended use
- Cement retained crowns, bridges or overdentures for CARES® X-Stream™ restorative options with Straumann® CARES® Abutments
- Screw-retained crowns, bridges or overdentures for CARES® X-Stream™ restorative options with Straumann Variobase®

Restorative options
The broad range of restorative options is described in chapter 2.1 (“Restorative options with the Straumann® CARES® portfolio”, see p. 4).

Characteristics
- **Higher productivity** thanks to one design, one order and one delivery of the prosthetic components required for a patient restoration case
- **Increased efficiency** due to the highly precise prosthetics ensuring best fit between components
- **Validated long-term performance** with the original Straumann® implant-abutment connection
4.2.1 Designing CARES® Workflow

Step 1 – PREPARATION for CARES® Visual
Follow the preparation requirements according to chapter 3.

Step 2 – DESIGNING with CARES® Visual
Design the restoration according the brochure Straumann® CARES® Visual, 152.825.

4.2.2 Finishing

CARES® X-Stream™ workflow with CARES® Abutments
- Unpack the delivered Straumann® CARES® Abutment and the CARES® crown, bridge or bar.
- Finalize the CARES® crown, bridge or bar when relevant. **Note:** only cement-retained restorations are possible.
  Please refer to the “Instructions for Use” brochure of the specific CARES® crown, bridge or bar material or to the brochure Basic information on Straumann® CARES® Tooth prosthetic procedures, 152.821 for the detailed and material-specific processing steps.

CARES® X-Stream workflow with Straumann® Variobase®
- Unpack the delivered Variobase® and the CARES® crown, bridge or bar.
- Finalize the CARES® crown, bridge or bar when relevant. **Note:** cement-retained as well as screw-retained restorations are possible.
  Please refer to the “Instructions for Use” brochure of the specific CARES® crown, bridge or bar material or to the brochure Basic information on Straumann® CARES® Tooth prosthetic procedures, 152.821 for the detailed and material specific processing steps.
  **Note:** CARES® crown, bridge or bar or bar should only be processed mechanically if absolutely necessary. The “Instructions for Use” of the specific crown, bridge or bar apply. CARES® crown, bridge or bar must not be sandblasted.
4.2.3 Bonding

Note: the following instructions are only for a CARES® X-Stream™ workflow restoration with a Variobase® and CARES® crowns, bridges or bars ordered with a screw channel hole.

Step 1 – Fixing on master model

Fix the abutments to the implant analogs by tightening the Basal Screws hand-tight or fix the copings on the abutment analogs by tightening the Occlusal Screws hand-tight. Seal the screw channel with wax to prevent excess cement from flowing into the screw channel.

Note:
• It is not necessary to sandblast the Variobase® for obtaining a strong bond.
• To ensure precise seating of the prosthetic restoration on the Variobase®, always bond on the master model.
• For Variobase® for crown, due to the symmetrical nature of the four cams, confirm the position of the crown according to the actual patient anatomy prior to bonding.

Step 2 – Bonding

Apply self-adhesive dental cement on the Variobase®. Follow the cement manufacturer’s instructions. Bond the prosthetic restoration to the Variobase®.

Note:
• Immediately remove excess cement from the Variobase® prosthetic component. Polish the lower margin of the prosthetic restoration after the cement has dried.
• Always use a polishing aid to protect the abutment’s prosthetic connection.
• Do not fire the abutment after bonding.

1 Tested with Panavia™ F2.0 resin cement by Kuraray and a zerion® (zirconium dioxide) coping by Straumann
4.2.4 The use of transfer aids for single tooth prosthetics
To ensure correct transfer of the abutment position from the master cast to the patient, an individual index can be fabricated on the master cast using acrylic. The index is secured with support from the adjacent teeth.

Note: The occlusal screw opening must not be covered with acrylic. Ensure that no acrylic gets into the interior of the abutment, otherwise it might not be possible to loosen the basal screw.

4.2.5 Insertion (dentist’s office)
The final restoration is fixed on the master cast before it is delivered to the doctor’s office.

Step 1 – Preparation
- Remove the healing cap or temporary restoration.
- Remove the superstructure from the master cast and unscrew the abutment from the analog.
- Clean and dry the interior of the implant and the abutment thoroughly.

Note: Always ensure that surfaces of threads and screw heads are clean and that a new screw is used for the final restoration.

Step 2 – Final insertion

Option A: Screw-retained final restoration
- Position the sterilized Straumann® abutment and bonded crown in the implant. Tighten the screw to 35 Ncm using the SCS Screwdriver along with the ratchet and the torque control device.
- Close the SCS screw channel with cotton and sealing compound (i.e. gutta-percha). This allows for later removal of the Straumann® abutment in case a crown, bridge or bar replacement is required.

Option B: Cement-retained final restoration
- Position the sterilized Straumann® abutment in the implant. Tighten the screw to 35 Ncm using the SCS Screwdriver along with the ratchet and the torque control device.
- Close the SCS screw channel with cotton and sealing compound (i.e. gutta-percha). This allows for later removal of the Straumann® abutment in case a crown, bridge or bar replacement is required.
- Cement the superstructure to the abutment.
- Remove excess cement.
4.3 Restoration: CARES® Screw-retained bridges and bars (SRBB)

Intended use
Straumann® CARES® SRBB are prosthetic mesostructures, either directly screwed to the endosseous dental implant or to the screw-retained abutment intended as an aid in prosthetic rehabilitations for multiple-tooth replacement or fully edentulous patients.

Material
- Titanium grade 4
- Cobalt-chromium alloy (coron®)

Contraindications
- Patients with bruxism, since an overload of the device may occur.
- Allergies or hypersensitivity to chemical ingredients of the following materials used:
  - coron® (cobalt-chromium alloy): cobalt (Co), chromium (Cr), tungsten (W), silicon (Si), manganese (Mn), niobium (Nb), commercially pure titanium grade 4 (Ti), TAN (titanium alloy Ti6Al7Nb): titanium (Ti), aluminum (Al), niobium (Nb).

Important note for CARES® SRBB on Straumann® Screw-retained Abutments
Please keep in mind that CARES® SRBB are milled based on their master cast. Therefore, a precise replication of the oral situation is essential for a good fitting of the CARES® SRBBs.

For abutment-level CARES® SRBB, the master cast represents the oral situation. Therefore, it is necessary to use a master model with abutment analogs, created from an oral abutment-level impression of the final abutments, and torqued with 35 Ncm.

Master models with subsequently hand-tightened (< 35 Ncm) abutments may not accurately represent the oral situation and therefore could lead to a poor fitting restoration with height and alignment deviations, although it will fit the model. Therefore, when it is required to place abutments subsequently on the master model, only a torque of 35 Ncm will represent the final oral situation adequately. The subsequently placed abutment should be rotated so that it fits against one end of the implant/abutment interface's play and the dentist must be informed that the abutment has to be rotated in the same direction during oral placement.

If a SRBB on subsequently placed Screw-retained Abutments is ordered, the stone model with the torqued abutments is required for production.
Characteristics

Straumann® CARES® SRBB working conditions

<table>
<thead>
<tr>
<th>Implant Level</th>
<th>CARES® SRBB are available on following Straumann® Platforms</th>
<th>Divergence compensation between any two Platforms</th>
<th>Screws for Straumann® CARES® SRBB</th>
</tr>
</thead>
</table>
|               | Straumann® Soft Tissue Level implants                     | Ti 50°  Coron® 40° | synOcta® Basal screw 048.356 |}
|               | Straumann® Bone Level implants                             | Regular CrossFit® (RC) 30°  NC / RC SRBB BL screw 025.2926 | |}
|               | Straumann® Screw-retained Abutment                         | D 4.6 mm 50°  NC/RC Occlusal screw, TAN for coping, screw-retained abutment 023.4763 | |}
|               |                                                          | D 3.5 mm 30° | |}

Important: when combining different platforms with each other, the smallest divergence compensation value is applicable.

Note

- Straumann® Repositionable Implant Analogs are not intended to be used for Straumann® CARES® SRBB. Please consider the model preparation instructions described in chapter 3.1. Straumann may return the order if the requirements are not fulfilled.
- Always use new abutment-/occlusal-screws for patient use.
- The screws delivered together with the CARES® SRBB are meant for patient use. For additional screws in case of loss or for lab use, only use the screws mentioned in the chart above.
4.3.1 Straumann CARES® Screw-retained bridge

Intended use
• Straumann® CARES® Screw-retained bridge is a framework which is intended for direct veneering with appropriate techniques in dental technology or wrapping with acrylics in combination with pre-fabricated teeth, to treat partially or totally edentulous cases.

Characteristics
• 2 to 16 units
• Placement on 2 to 16 platforms
  – Straumann Soft Tissue Level (RN, WN), Bone Level (NC, RC)
  and BL / TL mixed implant platforms
  – Screw-retained Abutment
  – mixing of implant- and abutment-level platforms
• Maximum number of anterior pontics: 4 (only possible between the canines)
• Maximum number of posterior pontics: 3
• Maximum number of free-ends: 1 per end
• Straumann® Guarantee for Straumann® CARES® Screw-retained bridges and bars
4.3.1.1 Designing: CARES® Workflow

Step 1 – PREPARATION for CARES® Visual
Follow the preparation requirements according chapter 3

Note: For optimal esthetic planning especially in the labial region, model a full anatomic wax-up and confirm the size and position intraorally. The wax-up can be scanned and used as reference when designing the restoration in CARES® Visual.

Step 2 – DESIGNING with CARES® Visual
Design the restoration according to the brochure Straumann® CARES® Visual – Step-by-step instructions for crowns and bridges, 152.825 or watch the CARES® Tutorial videos online for further guidance.

Step 3 – ORDER PROCESS for CARES® SRBB
Order the restoration according to the process described in the brochure Straumann® CARES® Screw-retained bridge and bar: Service and Process – see p. 40.

4.3.1.2 Finishing

Step 1
Delivery of the bridge and screws for patient use from Straumann®:
Use the included patient label for patient records in the laboratory. The bridge can be directly placed on the master model, no additional processing, grinding or adjustments is needed.

Step 2
Check the tension-free fit on the master cast (e.g. Sheffield test) and also check the occlusal situation with an antagonist model.
Step 3 (optional)
To further check the fit, send the bridge to the dentist for an additional try-on in the patient’s mouth. Make sure the screws used are not damaged. Insert the screws with the SCS Screwdriver. The friction fit secures the screws to the instrument during insertion and ensures safe handling.

Step 4
Prepare and process the bridge according to the instructions from the supplier of the veneering material.

Step 5
Use appropriate veneering techniques for dental technology to veneer the framework. Be sure to follow the instructions for use of the veneering material of your choice, which must be appropriate for the framework material.

Note: Consider anatomical guidelines when veneering. The “freedom in centric” concept should be used for the occlusion.

Step 6
Send the master cast, the bridge together with new screws, the IFU leaflet and patient labels to the restorative dentist.
4.3.1.3 Insertion (dentist’s office)

The final restoration is delivered to the dentist’s office on the master cast together with new screws, IFU and patient labels.

Step 1
Remove the healing abutment or temporary restoration.

Step 2
Clean and dry the interior of the implants/Screw-retained abutments, the screws and the bridgework thoroughly (cleaning, disinfection and sterilization according to the brochure Guideline for Cleaning, Disinfection and Sterilization, 152.802).

Step 3
Check the fit of the bridge before fixing it in the patient’s mouth. Do not attach the bridge if the fit appears to be unsatisfactory (e.g. when performing a Sheffield test).

Step 4
Position the cleaned bridge on the implants/Screw-retained abutments and insert the screws. Tighten the implant screws with 35 Ncm and the occlusal Screws of the Screw-retained abutments with 15 Ncm by using the SCS Screwdriver with the ratchet and the torque control device.

Note
The friction fit secures the screws to the instrument during insertion and ensures a safe handling.

Step 5
Close the screw channels with cotton and sealing compound (e.g. gutta-percha or composite). This allows a later removal of the bridge if maintenance is needed.

Step 6
Polish the filling material.

Note
If additional screws are needed, consult the table “CARES® SRBB working conditions” in chapter 4.3 (p. 27) for the article numbers.
4.3.2 CARES® Bars

Intended use
Straumann® CARES® bars for fixed Prosthetics are superstructures for the direct application with dental resin and prefabricated acrylic teeth to treat edentulous cases.

Straumann® CARES® bars for removable prosthetics are retentive elements to be combined with an overdenture to treat edentulous cases.

Characteristics
- Placement on 2 to 10 platforms
  - Straumann Soft Tissue Level (RN, WN), Bone Level (NC, RC) and BL / TL mixed implant
  - Screw-retained Abutment
- Free end extensions possible
- Large bar design variety:
  - Dolder® U-shape (regular and mini)
  - Dolder® egg-shape (regular and mini)
  - Dolder® mix (e.g. egg-shaped anterior, U-shaped free-end extensions)
  - MP-Clip® bar
  - Ackermann-Bar®
  - Round Bar
  - Milled bar
  - Basic Fixed Bar
  - Advanced Fixed Bar
- Straumann® Guarantee for Straumann® CARES® Screw-retained bridges and bars
Straumann® CARES® Bars, removable prosthetics

<table>
<thead>
<tr>
<th>Dolder® U-shape Bar</th>
<th>Dolder® Egg-shape Bar</th>
<th>Milled Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>• U-shaped cross-section</td>
<td>• Egg-shaped cross-section</td>
<td>• Adjustable height and width</td>
</tr>
<tr>
<td>• Rigid and stable combination of bar and matrix</td>
<td>• Vertical translation and rotation possible</td>
<td>• 0°, 4°, 6°, 8° wall taper</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Threads for SFI® Anchor CD20 and Locator® Bar Abutment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Align common insertion axis of the attachments</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• More resistant against mastication forces, compared to attachments on their own</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ackermann-Bar®</th>
<th>Round Bar</th>
<th>MP-Clip® Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Round-section bar</td>
<td>• Round-section bar</td>
<td>• Economical alternative to prefabricated metal matrices</td>
</tr>
<tr>
<td>• 2 rider concepts for space saving mounting</td>
<td>• Bar diameter 1.9 mm</td>
<td>• The retention intensity can easily be adjusted by exchanging the retention inserts.</td>
</tr>
<tr>
<td>• Bar diameter 1.8 mm</td>
<td></td>
<td>• Bar diameter 1.8 mm</td>
</tr>
</tbody>
</table>

Straumann® CARES® Fixed Bars, fixed prosthetics

<table>
<thead>
<tr>
<th>Basic Fixed Bar (Shapes: lambda, cross, trapezoid)</th>
<th>Advanced Fixed Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>• For direct application of dental resin and prefabricated acrylic teeth, fully embedded in the final prosthesis</td>
<td>• For direct application of dental resin and prefabricated acrylic teeth, fully embedded in the final prosthesis</td>
</tr>
<tr>
<td>• Easy tissue relining, ideal solution for ongoing tissue management</td>
<td>• Ideally used for long edentulated ridges that are well healed and stable</td>
</tr>
<tr>
<td>• Bar is delivered sandblasted</td>
<td>• Bar is delivered sandblasted</td>
</tr>
<tr>
<td>• Economical alternative to a ceramic-veneered bridge</td>
<td>• Economical alternative to a ceramic-veneered bridge</td>
</tr>
</tbody>
</table>
4.3.2.1 CARES® Bars, removable prosthetics

Bar Positioning
To ensure optimal force distribution, position the bar parallel to the occlusal plane and place it physiologically optimal over the alveolar ridge. Consider the path of insertion of the cover denture when designing the bar. To avoid horizontal forces, design the bar parallel to the occlusal plane.¹

Designing: CARES® Workflow

Step 1 – PREPARATION for CARES® Visual (removable and fixed prosthetics)
Follow the preparation requirements according to chapter 3

Note: For optimal esthetic planning of the bar, make a set-up of the overdenture in wax and confirm it intraorally. The set-up can be scanned and used as reference when designing the bar in CARES® Visual.

Step 2 – DESIGNING with CARES® Visual
Please refer to the online tutorials and the CARES® Visual guidelines in the software.

Step 3 – ORDER PROCESS for CARES® SRBB
Order the restoration according the process described in the brochure Straumann® CARES® Screw-retained bridge and bar, Service and Process.
Please consult the Appendix in this brochure.

Finishing

Step 1
Delivery of the bar and the screws for patient use from Straumann®:
Use the included patient label for patient records on laboratory paperwork. The bridge can be placed directly on the master model, no additional processing, grinding or adjustments should be made.

Note: Be advised that changing the shape or the cross-section of the bar for removable prosthetics might have a negative impact on the fit of the matrices on the bars. Do not alter or weaken the connection interface between bar and bar copings.

Step 2
Check the tension-free fit on the master cast (e.g. Sheffield test).

Step 3 (optional)
To further check the tension-free fit, send the bar to the dentist for an additional try-on in the patient’s mouth. Make sure the screws used are not damaged. Insert the screws with the SCS screwdriver. The friction fit secures the screws to the instrument during insertion and ensures safe handling.

Step 4
Fabricate the final prosthesis according the following instructions.

For optimal fit and best performance of the Straumann® CARES® Bar, it is recommended to combine the device only with the corresponding original matrices of the CARES® system (5.6 Bar Male and Female components)
MP-CLIP® Bar
- Attach the spacer with the sleeve on the bar and make sure that it fits perfectly.
- Cut the sleeve back according to the height of the bar and block out the space between the sleeve and gingiva as well as the implant caps with wax.
- Finalize the denture according to the standard dental technique. Remove the bar from the denture and strip the spacer from the sleeve. Use the insert positioner to place the retention insert in the metal sleeve.

Ackermann®, Dolder® and Round Bar matrix
Ackermann®: Use the Ackermann® Bar Matrix A in the posterior and Matrix B in the anterior region.
Dolder® Bar: Shorten the matrix according to the length of the bar. To ensure a secure fixation in the denture, the matrix should be at least 5 mm long.
Ackermann®, Dolder® and Round Bar: Place the matrix on the bar. Place the according spacer between the bar and the matrix during polymerization.

Ackermann® and Round Bar: To prevent the matrices from premature wear and to achieve a consistent insertion axis of the denture, position the matrices in parallel to each other (Fig. 1). Block out the space between matrix/bar and gingiva as well as the implant caps with wax (Fig. 2). Ensure that the lamellae of the matrix is blocked out adequately to enable deflection when the denture is inserted or removed.
Dolder® Bar: Block out half of the height of the Dolder® Matrix (Fig. 3).

Ackermann®, Dolder® and Round Bar: Finalize the denture according to the standard dental technique.

Milled Bar
- Place attachments and female parts on the bar and prepare for polymerization.
- Block out all undercuts between bar and model as well as the implant caps.
- Finalize the denture according to standard dental technique.

Note: To avoid unwanted loading of the implants during chewing, always use the according spacer between the bar and the matrix when polymerizing. This also ensures the vertical translation of the prosthesis to the bar.

Varying the retention force of the bar matrix
Only the appropriate activator/deactivator may be used for activating/deactivating the bar matrix.
- To activate the matrix, press its walls together with the activator.
- To deactivate the matrix, push its walls apart with the deactivator.
Step 5
Send the master cast, the bar, the prosthesis, new screws, the IFU and the patient labels to the restorative dentist.

Note: The IFU must be sent together with the restoration to the dentist.

Insertion (dentist’s office)
The final restoration is delivered to the dentist’s office on the master cast together with new screws, IFU and patient labels.

Step 1
Remove the temporary restoration.

Step 2
Clean and dry the interior of the implants/Screw-retained abutments, screws and the bar thoroughly (cleaning, disinfection and sterilization according the brochure Guideline for Cleaning, Disinfection and Sterilization, 152.802).

Step 3
Check the fit of the bar before fixing it in the patient’s mouth. Do not attach the framework if the fit appears to be unsatisfactory (e.g. when performing a Sheffield test).

Step 4
Position the cleaned framework on the implants and insert the patient screws. Tighten the implant screws to 35 Ncm and the Occlusal Screws of the Screw-retained abutments with 15 Ncm, using the SCS Screwdriver with the ratchet and the torque controdevice.

Note: The friction fit secures the screws to the instrument during insertion and ensures a safe handling. If additional screws are needed, consult the table “CARES® SRBB Working conditions” in chapter 4.4 for the article numbers.

Step 5
Attach final prosthesis.
4.3.2.2 CARES® Fixed Bars, fixed prosthetics

This step-by-step instruction is a handling guideline for the CARES® Basic and Advanced Fixed Bars. The following steps are considered a prerequisite:

- The prosthetic planning has been completed and aligned between all members of the treatment team
- A wax try-in of the prosthesis has been verified in the patient’s mouth
- Straumann implants have been implanted
- The accuracy of the master models has been counter-checked with a verification jig, to ensure accurate representation of the patient’s oral situation

**Step 1**

**Design in CARES® Visual**

To have an ideal adaptation of the CARES® Fixed Bars to the final prosthesis it is recommended to scan the wax try-in as an overlay (see picture on the left).

CARES® Advanced Fixed Bar: Determine the acrylic/metal finishing line according to the wax try-in.

For more details on designing the CARES® Basic and Advanced Fixed Bar please consult the CARES® Visual guidelines in the software.

**Step 2**

**Fit check**

After receiving the CARES® Fixed Bar check the fit on the master cast.

**Step 2a**

**Optional:**

To further check the fit, send the bar to the dentist for an additional appointment for a try-in in the patient’s mouth. To ensure the screws used are not damaged please insert the screws with the SCS Screwdriver. The friction fit secures the screws to the instrument during insertion and ensures safe handling.

**Step 3**

**Flask the verified wax try-in**

Place the verified wax try-in on the master cast and flask it.

Remove the flask and boil out the wax.

Attach the bar to the master cast and ensure that the teeth in the flask don’t interfere with the bar.
Step 4
Bar preparation
Apply opaque on the area where the acrylic will be applied according to the veneering system of choice.

Step 5
Close the screw channels of the bar during the acrylic adaptation phase. For example, use a Q-tip with the cotton applicator removed to close the screw channels of the bar. Insert the shaft of the Q-tip long enough for it to block out the screw channel when applying the acrylics.

Step 6
Finalizing the prosthetic restoration
Process and finish the prosthesis according to conventional dental techniques.

Step 7
Insertion in patient’s mouth
- Check the fit of the bar before fixing it in the patient’s mouth; if the implant-interface is subgingival, take a radiograph to verify the fit.
- Do not attach the bar if the fit appears to be unsatisfactory.
- Always use new abutment/occlusal screws for patient use.
- Torque implant level SRBB*: 35 Ncm
- Torque screw-retained abutment: 35 Ncm
- Torque occlusal screw for abutment-level SRBB*: 15 Ncm
5 Auxiliaries and instruments

5.1 SCS Screwdrivers

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Article</th>
<th>Dimensions</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>046.400</td>
<td>SCS Screwdriver for ratchet, extra short</td>
<td>Length 15 mm</td>
<td>Cronidur® 30</td>
</tr>
<tr>
<td>046.401</td>
<td>SCS Screwdriver for ratchet, short</td>
<td>Length 21 mm</td>
<td>Cronidur® 30</td>
</tr>
<tr>
<td>046.402</td>
<td>SCS Screwdriver for ratchet, long</td>
<td>Length 27 mm</td>
<td>Cronidur® 30</td>
</tr>
</tbody>
</table>

5.2 Ratchet and Torque control device

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Article</th>
<th>Dimensions</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>046.119</td>
<td>Ratchet includes service instrument</td>
<td>Length 84 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>046.049</td>
<td>Torque control device for ratchet</td>
<td>Length 82 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>046.064</td>
<td>Holding key</td>
<td>Length 85 mm</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

5.3 Polishing aids and analog holder

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Article</th>
<th>Dimensions</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>046.245</td>
<td>Polishing protector for RN synOcta® Copings, transocclusal screw-retained</td>
<td>Length 15 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>025.2920</td>
<td>NC Polishing aid</td>
<td>Length 16 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>025.2920-04</td>
<td>NC Polishing aid</td>
<td>Length 16 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>046.239</td>
<td>Analog holder</td>
<td>Length 105 mm</td>
<td>Al/Steel</td>
</tr>
<tr>
<td>025.4920</td>
<td>RC Polishing aid</td>
<td>Length 16 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>025.4920-04</td>
<td>RC Polishing aid</td>
<td>Length 16 mm</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>025.0004</td>
<td>Polishing Aid for Screw-retained Abutment D 3.5 mm</td>
<td>–</td>
<td>TAN</td>
</tr>
<tr>
<td>025.0004V4</td>
<td>Polishing Aid for Screw-retained Abutment D 3.5 mm</td>
<td>–</td>
<td>TAN</td>
</tr>
<tr>
<td>025.0005</td>
<td>Polishing Aid for Screw-retained Abutment D 4.6 mm</td>
<td>–</td>
<td>TAN</td>
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<tr>
<td>025.0005V4</td>
<td>Polishing Aid for Screw-retained Abutment D 4.6 mm</td>
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<tr>
<td>025.0006</td>
<td>Lab processing Screw for Screw-retained Abutment</td>
<td>Length 20 mm</td>
<td>SST</td>
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## 5.4 Auxiliaries for bar matrices

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Article</th>
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<tbody>
<tr>
<td>046.150</td>
<td>Activator set for all bar matrices, three-part</td>
<td>Length 50 mm</td>
<td>Stainless steel</td>
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<tr>
<td>046.151</td>
<td>Deactivator for Dolder® Bar matrices, mini</td>
<td>Length 66 mm</td>
<td>Grilon BS/Brass</td>
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<tr>
<td>046.152</td>
<td>Deactivator for Dolder® Bar matrices, regular</td>
<td>Length 66 mm</td>
<td>Grilon BS/Brass</td>
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## 5.5 Wax-up kits

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<tr>
<td>019.0063</td>
<td>Straumann® CARES® Wax-up kit contains wax-up</td>
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<td></td>
<td>holder for Straumann® Dental restorations on</td>
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<td>Straumann® Implant</td>
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## 5.6 Bar male and female components

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<th>Article</th>
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<th>Material</th>
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<tr>
<td>048.414</td>
<td>Dolder® bar matrix</td>
<td>Length 25 mm</td>
<td>Elitor®/Brass</td>
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<tr>
<td></td>
<td>includes spacer, regular</td>
<td>Height 2.75 mm</td>
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<tr>
<td>048.413</td>
<td>Dolder® bar matrix</td>
<td>Length 25 mm</td>
<td>Elitor®/Brass</td>
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<td>includes spacer, mini</td>
<td>Height 3.5 mm</td>
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<tr>
<td>048.804-V2</td>
<td>Round-Bar Female part</td>
<td>Length 3.5 mm</td>
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<td></td>
<td>Components available through your local</td>
<td>Height 3.6 mm</td>
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<tr>
<td></td>
<td>Cendres+Métaux representative</td>
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<tr>
<td>048.804-V10</td>
<td>Ackermann-Bar® Female part A</td>
<td>Length 3.5 mm</td>
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<td>Components available through your local</td>
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<td>048.805-V2</td>
<td>Ackermann-Bar® Female part B</td>
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<td>048.805-V10</td>
<td>MP-Clip® Female part</td>
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<tr>
<td>048.804-V2</td>
<td>Zest Bar Anchor</td>
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<td>Locator® Bar Abutment (2 Pack)</td>
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<tr>
<td>048.804-V10</td>
<td>Locator® Bar Abutment (10 Pack)</td>
<td>Locator® diameter:</td>
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<td></td>
<td>Locator® Bar Male Processing Package (2 Pack)</td>
<td>3.86 mm</td>
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<td>048.805-V2</td>
<td>Locator® Bar Male Processing Package (10 Pack)</td>
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6 Appendix

6.1 Related documentation

490.020/en Straumann® CARES® Brochure
150.926 Instructions for Use for Straumann® CARES® Abutments, ZrO₂
150.927 Instructions for Use for Straumann® CARES® Abutments, Ti
701572 Instructions for Use for Straumann® CARES® Abutments, TAN
700996 Instructions for Use for Straumann® CARES® Screw-retained bridges and Straumann® CARES® Bars
701593 Instructions for Use for Straumann® Variobase® for Crown
701627 Instructions for use for Straumann® Variobase® Prosthetics Components for Bridge/Bar
701149 Instructions for Use for Straumann® CARES® Mono Scanbody
150.771 Instructions for Use for Straumann® Scanbody
701933 Instructions for Use for n!ce™ restorations
701945 Instructions for Use for zerion® ML and UTML
701654 Instructions for Use for 3M™ ESPE™ Lava™ Plus Zirconia
701049 Instructions for Use for zerion® LT
150.772 Instructions for Use for IPS e.max® CAD
701051 Instructions for Use for ticon®
701050 Instructions for Use for coron®
701053 Instructions for Use for polycon® ae
152.802 Guideline for Cleaning, Disinfection and Sterilization
152.821 Basic information on Straumann® CARES® Tooth Prosthetic Procedures

Striaumnn® CARES® Screw-retained bridge and bar – Service and process

The process differs from country to country. Please select the brochure that is valid for you:

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<tr>
<th>Order no.</th>
<th>Language</th>
<th>Area of validity</th>
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<td>Austria</td>
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<td>French</td>
<td>Canada and Belgium</td>
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<tr>
<td>490.045-es</td>
<td>Spanish</td>
<td>Spain and Portugal</td>
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</table>

All documents as well as further software-related information are available in the Straumann® CARES® Visual software ("Products and Services" tile).
7 Important guidelines

Please note
Practitioners must have appropriate knowledge and instruction in the handling of the Straumann CADCAM products or other Straumann products (“Straumann Products”) for using the Straumann Products safely and properly in accordance with the instructions for use.

The Straumann Product must be used in accordance with the instructions for use provided by the manufacturer. It is the practitioner’s responsibility to use the device in accordance with these instructions for use and to determine, if the device fits to the individual patient situation.

The Straumann Products are part of an overall concept and must be used only in conjunction with the corresponding original components and instruments distributed by Institut Straumann AG, its ultimate parent company and all affiliates or subsidiaries of such parent company (“Straumann”), except if stated otherwise in this document or in the instructions for use for the respective Straumann Product. If use of products made by third parties is not recommended by Straumann in this document or in the respective instructions for use, any such use will void any warranty or other obligation, express or implied, of Straumann.

Availability
Some of the Straumann Products listed in this document may not be available in all countries.

Caution
In addition to the caution notes in this document, our products must be secured against aspiration when used intraorally.

Validity
Upon publication of this document, all previous versions are superseded.

Documentation
For detailed instructions on the Straumann Products contact your Straumann representative.

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Explanation of the symbols on labels and instruction leaflets

- **LOT**: Batch code
- **REF**: Catalogue number
- **STERILE**: Sterilized using irradiation
- **Lower limit of temperature**
- **Upper limit of temperature**
- **Temperature limitation**
- **Rx only**: Caution: Federal law restricts this device to sale by or on the order of a dental professional.
- **Do not re-use**
- **Non-sterile**
- **Caution, consult accompanying documents**
- **Use by**
- **Keep away from sunlight**

Straumann Products with the CE mark fulfill the requirements of the Medical Devices Directive 93/42 EEC

Consult instructions for use