Straumann® CARES® Prosthetics

More than efficiency. Cost-effective workflow solutions.

straumann

simply doing more

Prosthetic solutions

ONE-STEP RESTORATIONS

CARES® X-Stream™

CUSTOMIZED ABUTMENTS

CARES® Abutment,
titanium

CARES® Abutment,
ZrO₂

CARES® Abutment,
TAN

CARES® Abutment,
CoCr

SCREW-RETAINED BRIDGES AND BARS

CARES®
Screw-retained Bridge

CARES® Bar

FULL-CONTOUR CROWNS AND BRIDGES

CARES®
Full-contour crowns and bridges

CROWN AND BRIDGE FRAMEWORKS

CARES® crown and
bridge frameworks

Experience Business Solutions
With Straumann® CARES® Prosthetics

The market for dental restorations presents a broad variety of prosthetic options. As a result customers experience constant challenges in making the right choice when it comes to fulfilling their primary product needs of high efficiency, cost-effectiveness and long-term reliability.

Thanks to the trustworthy relationship with dental clinics and laboratories for more than 60 years, Straumann CARES about what matters to you and your business. We are committed to adapting our service and products to your clinical and professional needs. Straumann® CARES® customized solutions deliver all you will need in your practice or laboratory.

We are excited to introduce our newest solutions, intended to further drive efficient workflows and provide cost-effective restorations for your dental laboratories:

CARES® Abutment CoCr
Another option for direct-veneering is our screw-retained 1-piece abutment made of cobalt chromium in our uncompromising quality. Its material base is the well-known and proven cobalt-chromium alloy called Straumann® coron®.

SC CARES® Abutment
For the small diameter implant BLT 2.9 mm, we offer a customized abutment (SC CARES® Abutment) made of TAN.

n!ce™ glass-ceramic - n!ce™ to meet you ;-)
With n!ce™ – Straumann's unique proprietary, fully crystallized glass-ceramic – you benefit from added convenience and time saving. The name n!ce™ means it's simple to use and very reliable, provides a natural finish and a highly esthetic look of your CADCAM restorations.

zerion®
With the new portfolio extensions zerion® ML (multi-layered highly translucent zirconia), zerion® UTML (multi-layered ultra-highly translucent zirconia) and zerion® GI (unique gingiva-shaded zirconium dioxide, especially suitable for gingiva former and bar design), enjoy high flexibility, cost-effective and predictable prosthetic outcomes.

Today your laboratories will have new means to receive Straumann® CARES® prosthetics without any additional investment in CADCAM equipment with the new connection to:

• the exocad® software platform
• the 3M™ TrueDefinition Intra-oral scanning system
  in addition to the already available connectivity to the 3Shape software, 3M™ Lava™
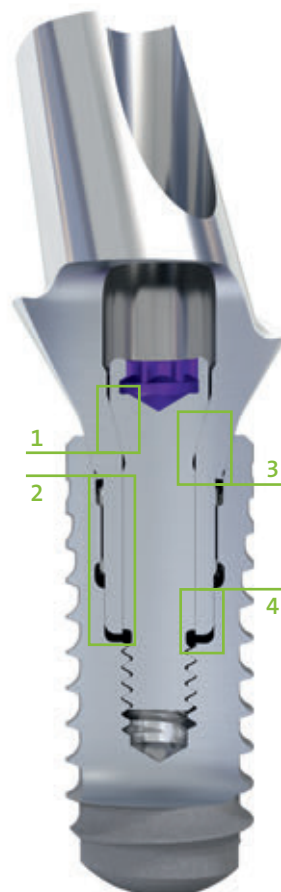 system, Dental Wings system and Cadent iTero™ intra-oral scanning system.

The perfect match
in every respect

Original Straumann components are the recommended choice

YOUR DECISION FOR ORIGINAL STRAUMANN COMPONENTS IS ESSENTIAL

All components complement each other in a precisely harmonized system combining excellent quality and great flexibility. Designed for esthetic results your patients will surely appreciate – and remarkable endurance and durability you can fully rely on. Straumann ensures the consistent quality of all original Straumann components through high-precision manufacturing and exceedingly thorough inspection processes.
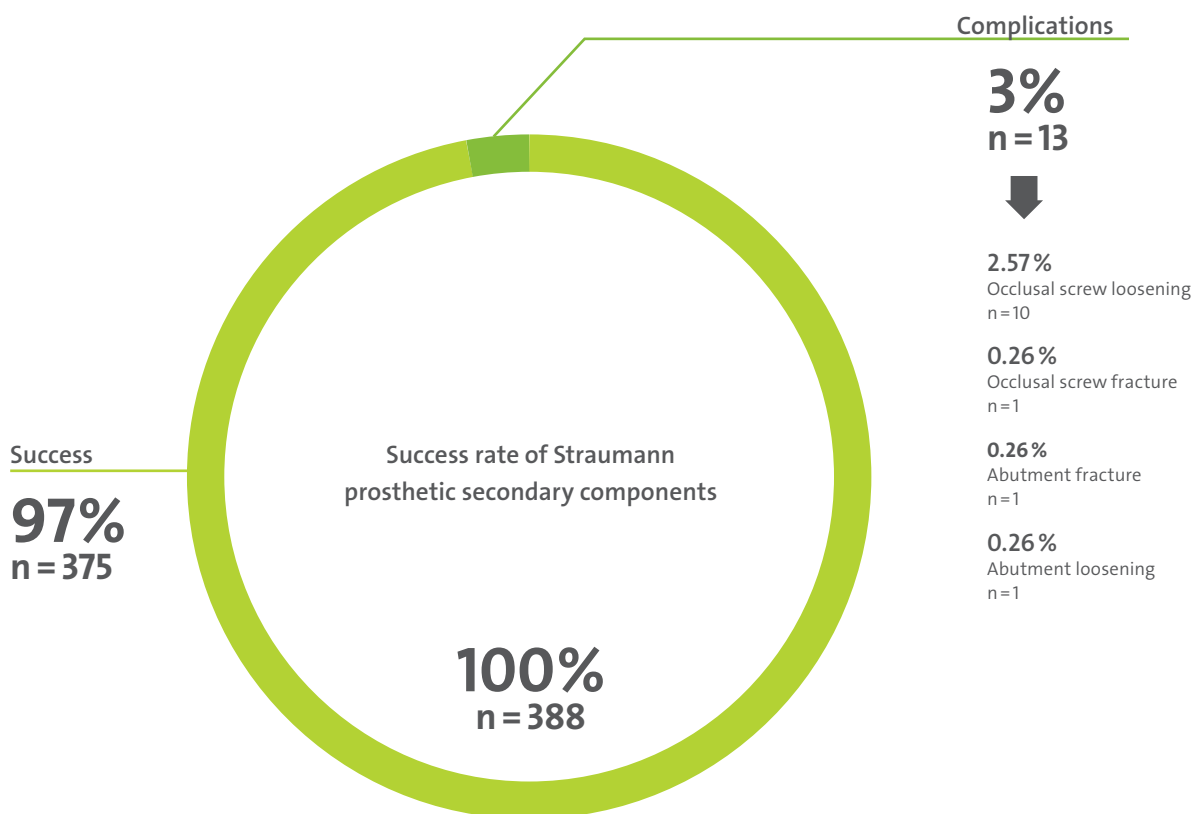
THE RIGHT CHOICE FOR SELECTED QUALITY.

1 Avoiding peak stresses with conical screw head
2 Providing precise guidance at assembly with radial contact surfaces (screw and abutment)
3 Assuring a sealed connection with tight conical implant-abutment interface
4 Giving high stability with deep implant-abutment engagement

A 10-year retrospective study on Straumann original prosthetic components[1]

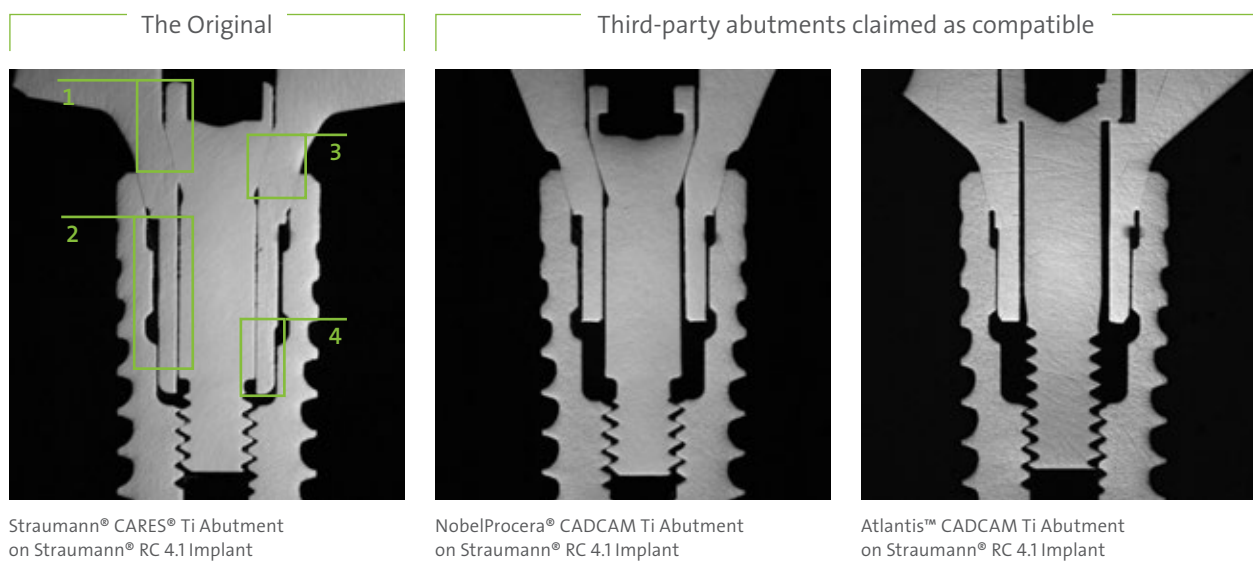**Straumann original[2] prosthetic components show excellent long-term clinical performance.**

Complications

3%
n = 13

↓

2.57%
Occlusal screw loosening
n = 10

0.26%
Occlusal screw fracture
n = 1

0.26%
Abutment fracture
n = 1

0.26%
Abutment loosening
n = 1

Success

97%
n = 375

Success rate of Straumann
prosthetic secondary components

100%
n = 388

Test method:
- 10-year retrospective clinical study to assess the rate of mechanical and technical complications and failures with implant-supported fixed dental prostheses.
- Prosthetic restorations on all 388 surviving Straumann® Tissue Level Implants were assessed. The implants had been restored with original Straumann components between May 1997 and January 2001 in the University of Bern.

1 Wittneben JG, Buser D, Salvi GE, Bürgin W: Complication and failure rates with implant-supported fixed dental prostheses and single crowns: A 10 y retrospective study. Clin Implant Dent Relat Res 2013; (E-pub ahead of print).
2 pers. comm. Dr. Wittneben: For 278 out of the 303 patients 100% original Straumann prosthetic components could be verified, 25 patients could not be reached anymore as dentists were retired.

Compatible is not original.

Straumann exactly knows the dimensions, tolerances and materials of Straumann implants, and can therefore optimally harmonize the design between Straumann implants and their corresponding Straumann prosthetic components.

The Original	Third-party abutments claimed as compatible	

Straumann® CARES® Ti Abutment
on Straumann® RC 4.1 Implant

NobelProcera® CADCAM Ti Abutment
on Straumann® RC 4.1 Implant

Atlantis™ CADCAM Ti Abutment
on Straumann® RC 4.1 Implant

Which one do you trust in?

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.

Efficiency – the key to competitiveness.

STRAUMANN NOW EXPANDS THE CARES® X-Stream™ PORTFOLIO TO MULTIPLE-TOOTH RESTORATIONS TO MEET YOUR VARIOUS NEEDS.

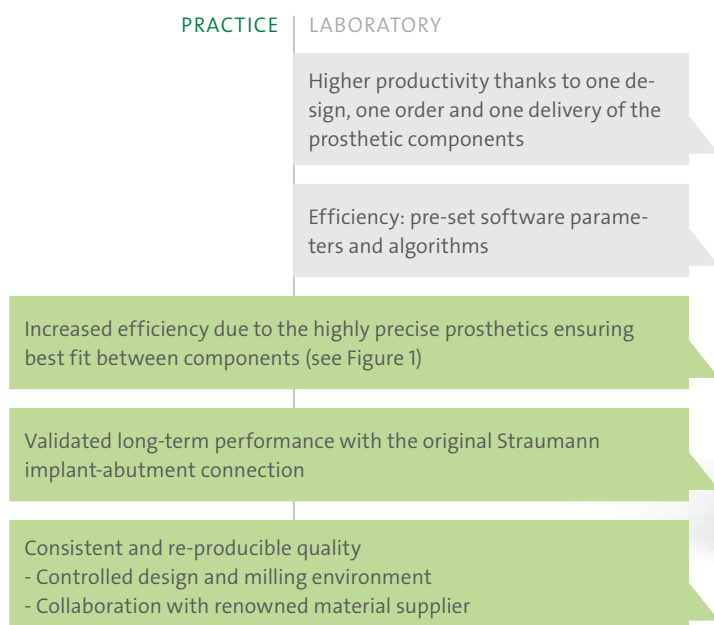|	Tooth replacement options[1] — Full-contour or frameworks for single tooth, bridges[2] and bars[2]								
	Ceramic						**Metal**		**Polymer**
	n!ce™ (lithium aluminosilicate ceramic reinforced with lithium disilicate available in 12 shades)	**IPS e.max® CAD** (Lithium-disilicate available in 45 shades)	**zerion® UTML**[3,4] (ultra translucent multi-layered zirconium dioxide available in 4 VITA shades and 1 Bleach shade)	**zerion® ML**[5] (high translucent multi-layered zirconium dioxide available in 3 shades)	**3M™ ESPE™ Lava™ Plus Zirconia**[5] (high translucent zirconium dioxide available in 16 VITA shades and 2 Bleach shades)	**zerion®**[5] (low translucent zirconium dioxide available in 9 shades)	**coron®** (Cobalt Chromium)	**ticon®** (Titanium Grade 4)	**polycon® ae**[4] (PMMA available in 5 shades)
CARES® Abutment, Zirconium dioxide[6,8]	Single tooth	Single tooth	≤3 units	Full arch	Full arch	Full arch			Full arch
CARES® Abutment, Titanium[7,8]	Single tooth	Single tooth	≤3 units	Full arch	Full arch	Full arch	Full arch	Full arch	Full arch
Variobase® for crown	Single tooth	Single tooth	Single tooth	Single tooth	Single tooth	Single tooth	Single tooth		Single tooth
Variobase® for bridge/bar[9]			≤3 units	Full arch	Full arch	Full arch	Full arch	Full arch	Full arch
Variobase® coping for Screw-retained Abutment[9]			≤3 units	Full arch	Full arch	Full arch	Full arch	Full arch	Full arch

[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.

The software function is common in the dental CADCAM field. However, only few solution providers can realize the streamlined work process with the solid product delivery as CARES® X-Stream™ does.
The streamlined work process simplifies your access to a world of possibilities within the Straumann portfolio.

PRACTICE | LABORATORY

Higher productivity thanks to one design, one order and one delivery of the prosthetic components

Efficiency: pre-set software parameters and algorithms

Increased efficiency due to the highly precise prosthetics ensuring best fit between components (see Figure 1)

Validated long-term performance with the original Straumann implant-abutment connection

Consistent and re-producible quality
- Controlled design and milling environment
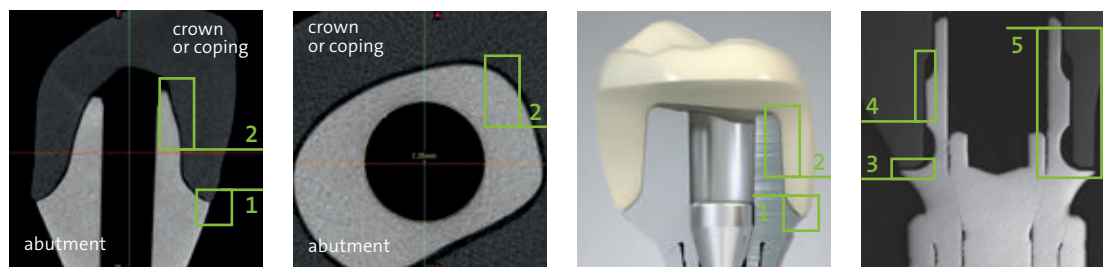- Collaboration with renowned material supplier

When using CARES® Customized Abutments with their selected prosthetic restoration (crown or bridge) the design can be customized for a patient-specific emergence profile. The cement line for the crown or bridge can also be optimally placed to ensure an easy cementation management and an ideal soft tissue support.

Figure 1
CARES® X-Stream™ product combinations with CARES® Abutments for single-tooth replacement

CARES® X-Stream™ product combinations with Straumann® Variobase® for crown

1 No visible marginal gap from CT Scan   2 Homogeneous thickness of the cement gap   3 No visible marginal gap   4 Extra bonding surface   5 Patented engaging mechanism[1]

1   Patent pending for the engaging mechanism between the Straumann® CARES® Variobase® and the relevant CARES® Coping or Crown

CARES® X-Stream™ FOR BRIDGES AND BARS

Straumann extends its efficient and cost-effective CARES® X-Stream™ offering to multiple-tooth implant-based restorations with bridges and over-dentures treatment solutions.

Benefit from fully customized prosthetic solutions with combinations of individualized CARES® Abutments and CARES® bridges. Or benefit from highly cost-effective prosthetic solutions with combinations of our new Variobase® bridge/bar and 3M™ Lava™ Plus Zirconia available in the 16 VITA classical tooth guide and 2 Bleach shades.

All CARES® Customized copings, crowns or bridges are available with a screw channel hole specifically adapted to the Variobase®, ensuring their easy and guided placement. For single-tooth replacements, the copings and crowns evenly distribute the loading forces and have a very limited rotational play while allowing a flexible cement gap.

Work with Confidence
Original Straumann Solutions

We have developed the Straumann® CARES® Customized Abutments to provide you with the foundation for exceptional restorative results. The high design flexibility combined with the high standards of precision make our customized abutments an outstanding benefit for practitioners and dental technicians alike.

THE CARES® CUSTOMIZED ABUTMENT OFFERS YOU AS A DENTAL LABORATORY A RANGE OF ADVANTAGES WHICH YOU CAN PASS ON TO YOUR CLIENTS

Customized shape and patient-specific emergence profile

Validated long-term performance due to the original Straumann connection

Optimized path of insertion thanks to the design flexibility to adjust angulations

High convenience in the restoration procedure thanks to an accurate design allowing time savings and cost efficiency

Straumann® CARES® Customized Abutments bring you more.

CARES® ABUTMENT, ZIRCONIUM DIOXIDE (ZrO$_2$)

PRACTICE | LABORATORY

Mechanical stability and proven biocompatibility allows highly reliable dental restorations

Available in both screw-retained and cement-retained restorations

High design flexibility

Direct veneering is possible to waive the creation of a coping

CARES® ABUTMENT, TITANIUM

High design flexibility allows the abutment to adapt to the patient's oral situation

Covered by 10-year Straumann Guarantee

Excellent material properties designed for reliability

Available for cement-retained restorations

CARES® ABUTMENT, TAN[1]

1 The TAN material is composed of titanium alloy (Titanium-Aluminum-Niobium, Ti_6AL_7Nb).

Mechanical stability and proven biocompatibility allow highly reliable dental restorations

Efficiency: one scan only to design abutment and anatomic shape

Flexible workflow: both firing and non-firing processes are possible

Flexibility in choosing veneer material: both ceramic and polymer materials are possible

Allows a direct veneering process to finalize the restoration faster

CARES® ABUTMENT CoCr

Mechanical stability and proven biocompatibility allow highly reliable dental restorations

Screw-retained abutment for direct-veneering

Frequently used material in the dental industry

Veneering with commonly spread veneering materials

No investment in additional veneering porcelain

New

An excellent solution
in challenging cases

The Straumann CARES® SRBB portfolio[1] is continuously expanding with exciting new offerings.
- Fixed prosthetics: CARES® Basic and Advanced Fixed Bar
- Entire CARES® SRBB[2] portfolio at abutment level

CARES® SCREW-RETAINED BRIDGES AND BARS OFFER YOU:

PRACTICE | LABORATORY

Design flexibility
- Direct placement on implants, or on new Straumann® Screw-retained Abutment (Bone Level)
- Allows treating patient-specific emergence profiles with full design control

Reliable quality through original Straumann connection
- Offering Straumann quality, fit and mechanical performance
- Biocompatible and corrosion resistant material, no need for solder
- One-piece solution, milled out of one block of material

PRACTICE | LABORATORY

CARES® Fixed Bars are delivered polished and ready-to-use

Strong mechanical connection capacity without compromising the biological benefits of the implant

Each CARES® SRBB framework is milled completely from one block of material ensuring homogeneous and predictable quality

Your freedom of choice with a broad range of products
- Available at implant level and abutment level (Straumann® Screw-retained Abutment for Bone Level)
- Allows for combining various platforms in one restoration case
  - Soft Tissue Level: RN and WN
  - Bone Level: RC and NC
  - Abutment level: Straumann® Screw-retained Abutment

Offers a range of 2 to 10 implants for Bars, or 2 to 16 implants for bridges

Available with 2 material options: Titanium Grade 4 and CoCr (coron®) for RN, WN, NC and RC implants

Diversified screw-retained bar designs

1 Not all products are available in all countries.
2 SRBB is the English abbreviation for Screw-Retained Bridges & Bars.

Fixed Dentures

CARES® Screw-retained
Bridge for veneering

CARES® Basic and Advanced Fixed Bar for direct
application of dental acrylics and prefabricated
teeth

Removable Dentures

Dolder® Bar U-Shape
(regular and mini-size)

Dolder® Bar Egg-Shape
(regular and mini-size)

Ackermann-Bar® Ø 1.9 mm

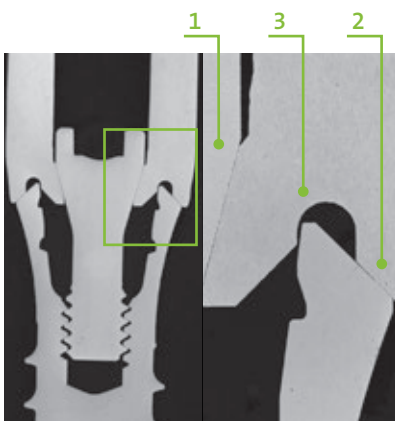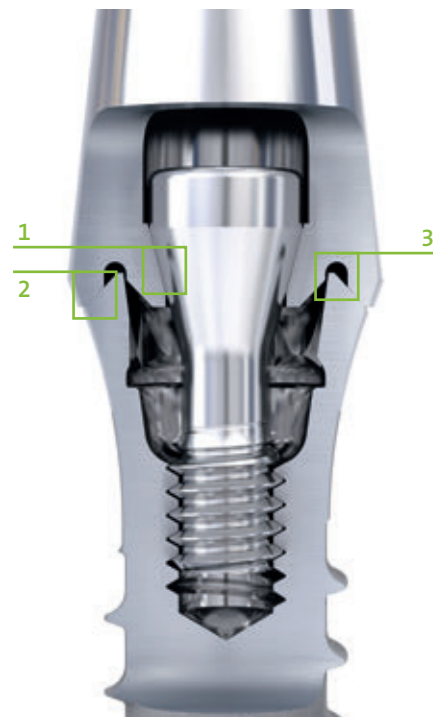MP-Clip® Bar Ø 1.8 mm

Round Bar Ø 1.8 mm

Milled Bar, available threads for LOCATOR®
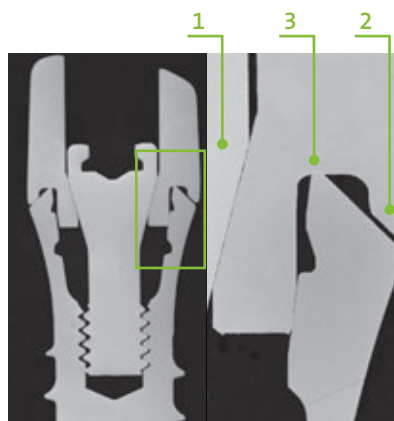
Perfect fit of original Straumann implant connection

The Straumann® CARES® SRBB implant connections are designed to provide a perfect and lasting fit to your Straumann implants. Let your patients benefit from the precision and peace of mind.

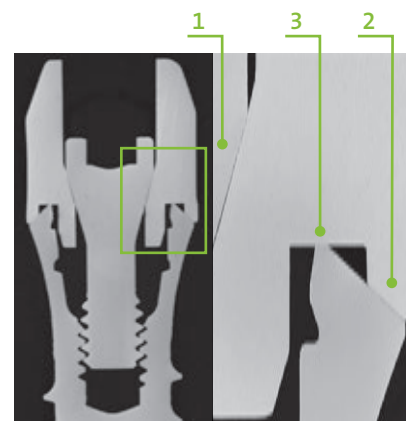**CARES® SRBB INTERFACE FOR STRAUMANN® TISSUE LEVEL IMPLANTS**

1 Avoiding peak stresses with conical screw head
2 Assuring a sealed connection with tight conical implant-abutment interface
3 Avoid impingement on the implant-shoulder with sufficient cutouts to prevent stress peaks and to assure a sealed implant-abutment interface

Straumann® CARES® Dolder® Bar Ti on
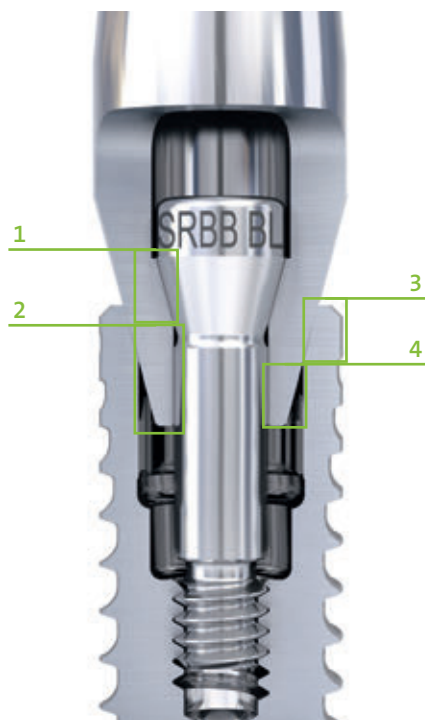Straumann® SP, Ø4.1mm RN, SLActive® 12mm, TiZr

Dentsply Atlanits™ ISUS Dolder® Bar Ti on
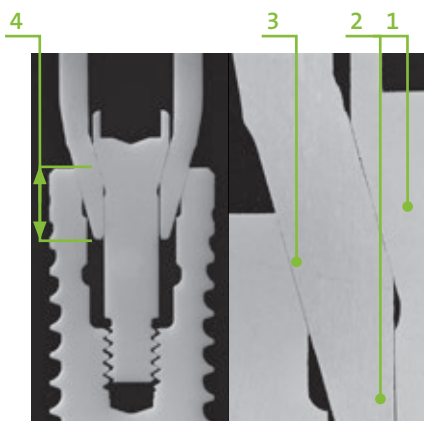Straumann® SP, Ø4.1mm RN, SLActive® 12mm, TiZr

Supra solution Dolder® Bar Ti on
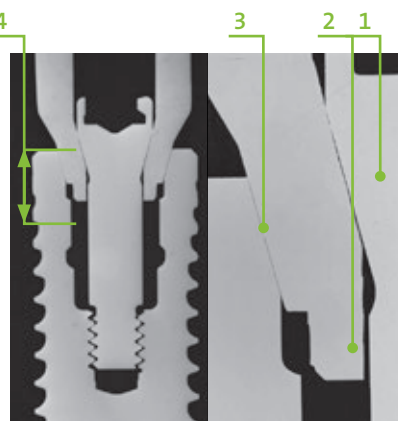Straumann® SP, Ø4.1mm RN, SLActive® 12mm, TiZr

Which connection do you trust in?
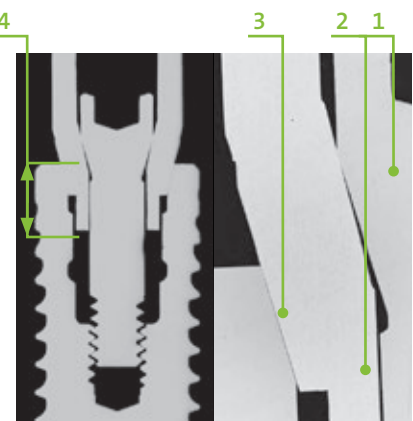
CARES® SRBB INTERFACE FOR STRAUMANN® BONE LEVEL IMPLANTS

1 Avoid peak stresses with conical screw head
2 Provide precise guidance at assembly with radial contact surfaces (screw and abutment)
3 Assure a sealed connection with tight conical implant-abutment interface
4 Give high stability with deep implant-abutment engagement

Straumann® CARES® Dolder® Bar Ti on Straumann® BL, Ø4.8 mm RC, Loxim™

Dentsply Atlantis™ ISUS Dolder® Bar Ti on Straumann® BL, Ø4.8 mm RC, Loxim™

Pro Scan Dolder® Bar Ti on Straumann® BL, Ø4.8 mm RC, Loxim™

Which connection do you trust in?

Your full-solution provider –
precision and esthetics included

EXTENSIVE PROSTHETIC PORTFOLIO:

PRACTICE | LABORATORY

Leading materials: resin nano ceramics, ceramics, metals and polymers

Wide applications: one-step restorations, customized abutments, screw-retained bridges and bars, copings, bridge frameworks as well as full-contour crowns and bridges

STRAUMANN® CARES® FULL-CONTOUR RESTORATIONS

PRACTICE | LABORATORY

Precision and high efficiency thanks to simplified processing steps, designed to ensure predictable outcomes

Precision manufacturing which leads to no manual rework and minimal processing, e.g. polishing, staining and glazing

New

With n!ce™ – Straumann's unique proprietary, fully crystallized glass-ceramic – you benefit from added convenience and time saving. The name n!ce™ means it's simple to use and very reliable, provides a natural finish and a highly esthetic look of your CADCAM restorations.

STRAUMANN® ZIRCONIUM-DIOXIDE RESTORATIONS

New

High precision milling to deliver very detailed, fine morphology and smooth surfaces

Conquering demanding cases thanks to the shade diversity. Simple characterization can be efficiently applied to create a beautiful and individualized result

New multi-layered zerion® available in UTML (ultra translucent) and in ML (high translucent) for outstanding esthetics

New gingiva-shaded zerion® GI, especially suitable for gingiva former and bar design

Ease of use by simply polishing the delivered restoration to finalize the full contour zirconia crown or bridge

STRAUMANN® CARES® METAL RESTORATIONS

PRACTICE | LABORATORY

Milled framework for consistent and high quality

Alternative to noble casting alloys for high flexibility

Veneering process comparable to noble casting alloys for ease of use

Each case is milled out of a homogeneous disc so that the composition is homogeneous and creates optimal reliability.

The validated workflow
that gives you profound confidence

We want you to confidently rely on the prosthetic parts you work with. This is why CARES® carefully reviews the performance in each step of the prosthetic creation – from the selection of the raw materials, the scan and design interface to the reliable accuracy throughout the production.

WE INVEST IN THE MOST ADVANCED MACHINES BUILT FOR EXCEPTIONAL PERFORMANCE ...

Delicate morphology with ultra precise milling tools
Our milling tools with small-diameter cutting heads determine the fine anatomical occlusal details of our CARES® full-contour crowns and bridges.

Sharp and smooth surface thanks to the high speed milling
The maximum speed of our milling machines and spindles create sharp margins, smooth surfaces as well as delicate walls and edges to achieve high precision in your restorative solution.

1 material, 1 milling strategy, 1 machine
Dedicated to delivering the best products, each production line at Straumann is designated to process one material in one machine with one specific milling strategy. This optimized and product-specific milling procedure lets us produce the best possible prosthetic components.

Standardized checks for consistent quality
Clear procedure on machine maintenance provides consistently high-quality outcomes.

... TO PRODUCE TOP QUALITY FOR YOU

Our commitment to the future:
• 10-year Straumann Guarantee for metal and resin nano ceramic restorations
• 5-year Straumann Guarantee for ceramic restorations

Milling machine and rigid quality check

Team up with CARES® for
your customized solution

We give you the freedom to achieve reliable, efficient and esthetic prosthetic solutions through various connections to CARES®. You can access optimal prosthetics through:

1   CARES® SYSTEM

Includes CARES® Visual design software based on the Dental Wings open software architecture.

2   CARES® WS (WORKING STATION)

Customers with a validated intra-oral scanner (3M™ TrueDefinition or Cadent iTero™) can access CARES® prosthetics upon acquiring the CARES® Visual design software.

Both of these channels provide access to our:

- Technical support team – Our team made up exclusively of professional dental technicians support you with their combined global-scale experience of more than 100 years.
- Training and education courses
- Sales and marketing support from our sales force

3   CARES® SCAN & SHAPE

Customers can also take advantage of our scan and design services to complement their existing in-lab workflow.

Without investing in any hardware and software, and without any specialized digital design knowledge required, our highly trained professionals will prepare for you your customized prosthetics based on the specifications from wax-ups, stl file or models that you provide to us.

Product offering[1]: CARES® Customized Abutment, CARES® X-Stream™, CARES® Screw-retained Bridges and Bars and CARES® tooth elements.

4   CONNECTIVITY FROM 3RD PARTY CADCAM SYSTEMS

Plug and play into your current Dental Wings, 3M Lava™, 3Shape and exocad® software without having to invest in additional hardware. Eligible[2] customers of Dental Wings, 3M Lava™, 3Shape and exocad® from the selected countries have access to the CARES® prosthetic portfolio.

1 CARES® Scan & Shape is available in some countries. Please contact your country sales representative for details.
2 To receive a complete list of the criteria to access the CARES® portfolio, please contact your local Straumann sales representative.

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