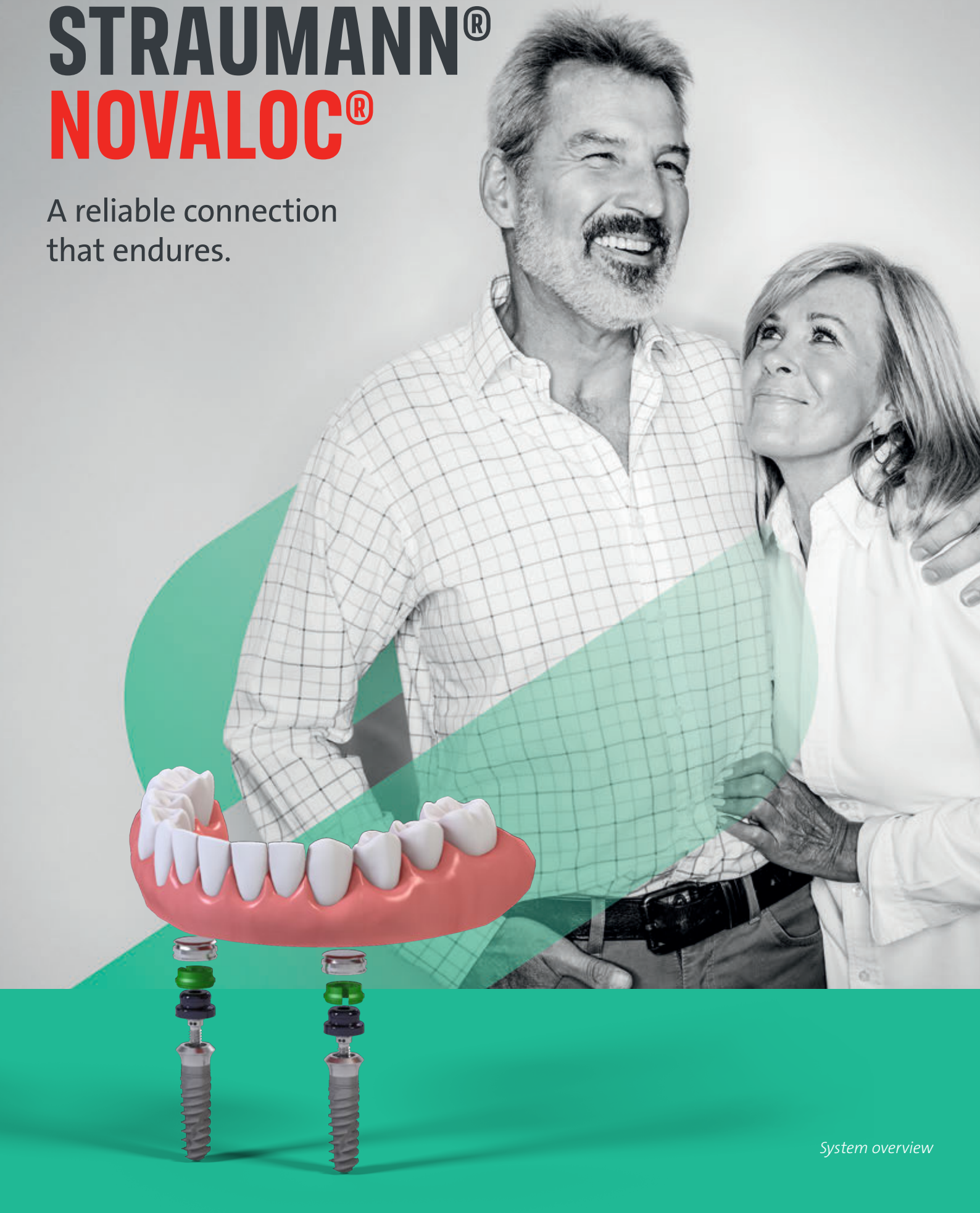
straumann

STRAUMANN®
NOVALOC®

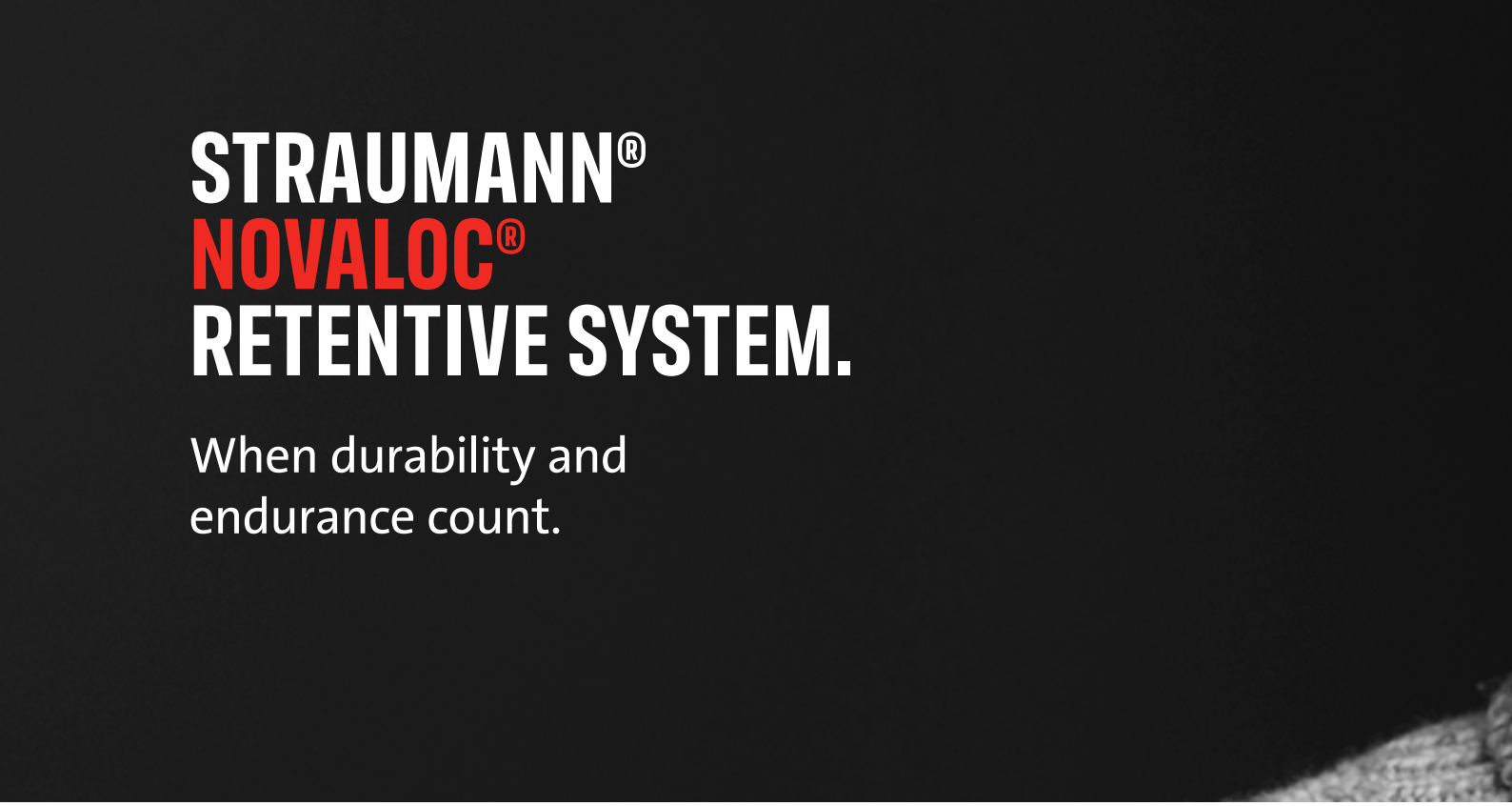
A reliable connection
that endures.



System overview

STRAUMANN®
NOVALOC®
RETENTIVE SYSTEM.

When durability and endurance count.



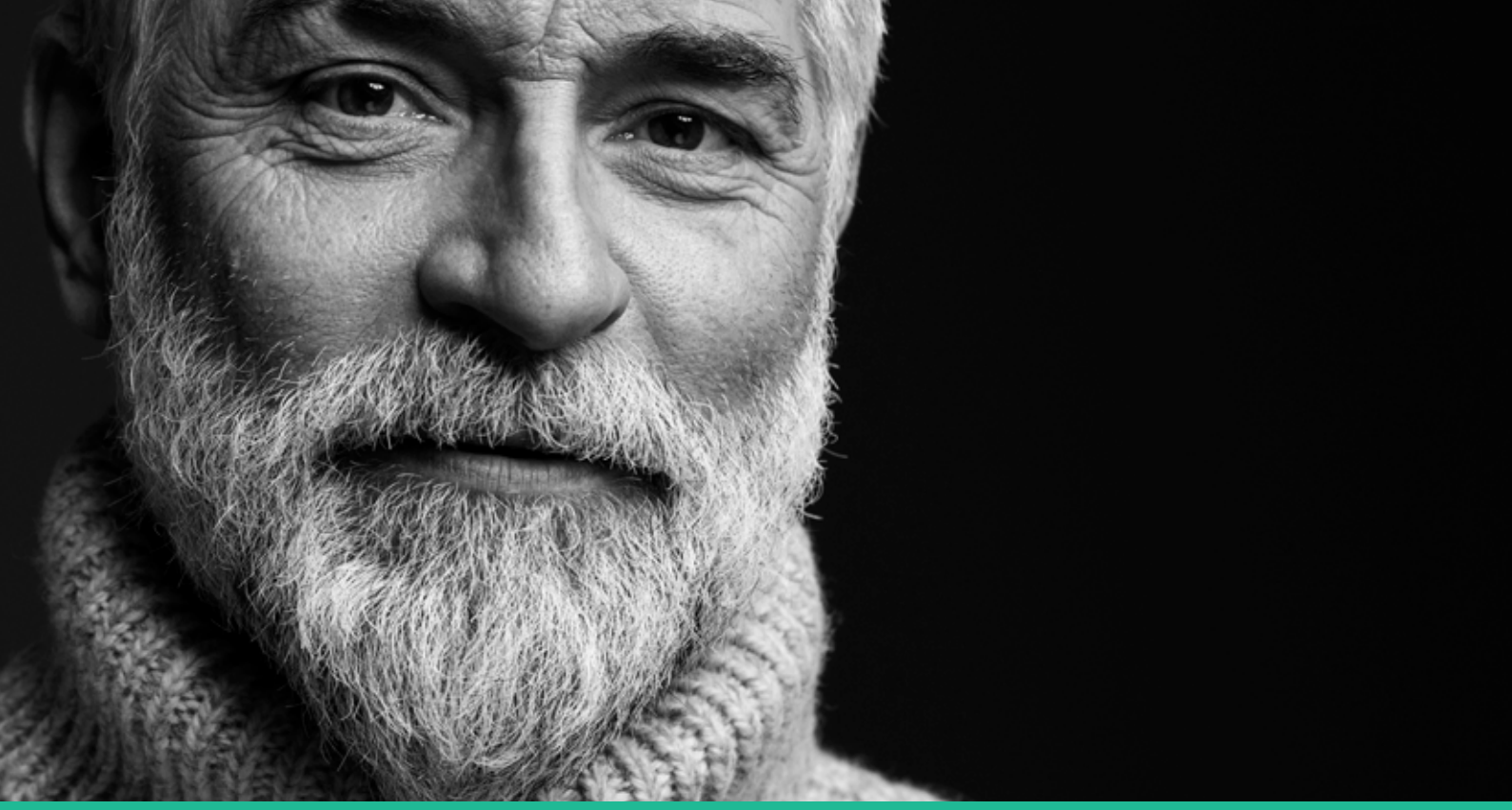
In life, there are times when an extremely reliable connection is needed.

The Novaloc ® Retentive System for hybrid dentures offers an innovative carbon-based abutment coating (amorphous diamond-like carbon[1]) with excellent wear resistance.

Together with its durable PEEK[2] matrices, the Novaloc® Retentive System provides a reliable connection that endures, requiring low maintenance and ensuring high patient comfort.

The Novaloc® Retentive System now features elements that enable digital workflows to further enhance your patients' experience and expand your range of digital indications.

Novaloc® – Let your patients enjoy the benefits of an enduring, reliable treatment solution.



DURABILITY
ADLC & PEEK offer high wear resistance

DIGITALLY ENABLED
Facilitates digital workflows

PEACE OF MIND
Backed by the Straumann Guarantee and proven implant technologies

FLEXIBILITY
Extensive range of abutment options for a broad range of clinical situations

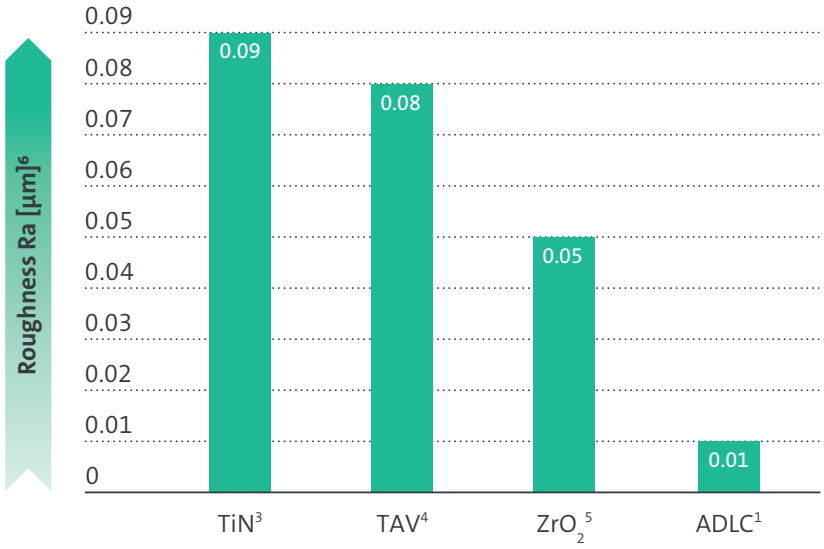
I have fully switched to the Straumann® Novaloc® retentive system. This decision was prompted by significant material wear observed in competitor products over time, which required costly part replacements. My patients express satisfaction with the Straumann® Novaloc® treatment, and I share in their contentment. The system provides me with ease of handling and a high-quality solution to offer them.

Dr. Michael Kristensen, Aarhus Tandcenter, Denmark

SIMPLY DURABLE

The comparison between the physical properties of various coatings underlines the high performance of the ADLC abutment coating.

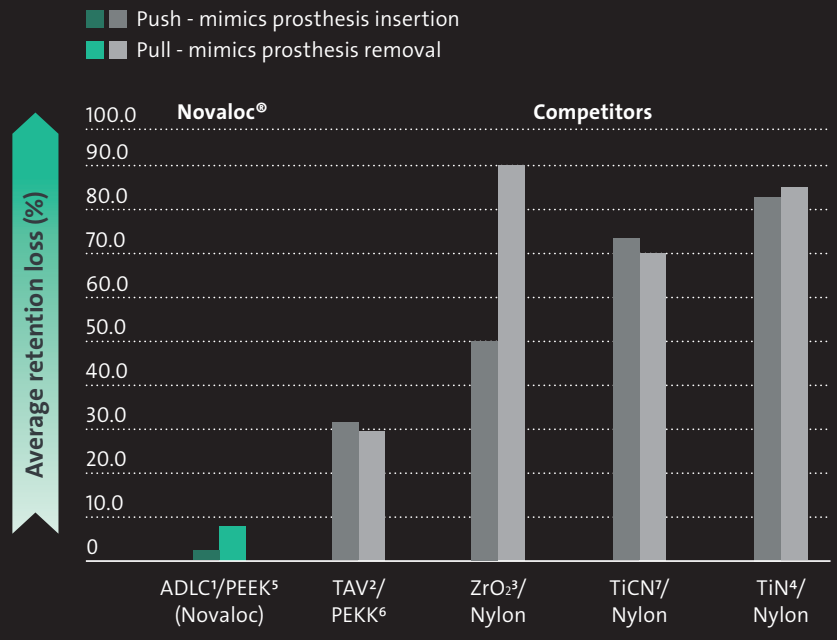
Surface roughness (Ra) of retentive abutments for hybrid dentures[3]



The roughness of a surface is indicated by the roughness parameter Ra – the smaller the parameter value the smoother the surface.

A smooth abutment surface is less abrasive against the retention inserts and contributes to longevity.

Combination of ADLC-coated abutment and PEEK retention inserts: A reliable connection that endures



Retention loss after 10,000 cycles of the straight abutment performed in phosphate-buffered saline (pH 7.4) at room temperature. Data represents difference between the basal (100 cycles) and final (10,000 cycles) measurements (Fmax) and is presented as % of change (source: Straumann, data on file).

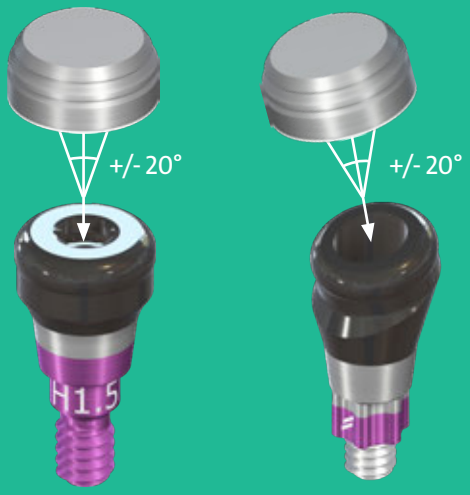
[1] Amorphous diamond-like carbon, [2] Titanium Aluminum Vanadium, [3] Zirconium dioxide, [4] Titanium Nitride, [5] Polyetheretherketone, [6] Polyetherketoneketone, [7] Titanium Carbonitride

STRAUMANN® NOVALOC® RETENTIVE SYSTEM

SIMPLY FLEXIBLE

Three Novaloc® abutment variants (straight, 15° angled and bar) are available.

Straight and angled abutments are available on all Straumann® implant platforms in various abutment heights.
The angled abutments accommodate up to 60° implant divergence, thereby covering a broad range of clinical implant situations.



Novaloc® Abutment, straight

Novaloc® Abutment, 15° angled°

Novaloc® retention inserts are available in 4 standard and 2 additional retention strengths. Novaloc® matrices audibly and tangibly snap into place, ensuring confident prosthesis seating.

Retention insert color	*Retention*
● *red, extra light*	*approx. 300 g*
● *white, light*	*approx. 750 g*
● *yellow, medium*	*approx. 1200 g*
● *green, strong*	*approx. 1650 g*
● *blue, extra-strong*	*approx. 2100 g*
● *black, ultra-strong*	*approx. 2550 g*

PEACE OF MIND

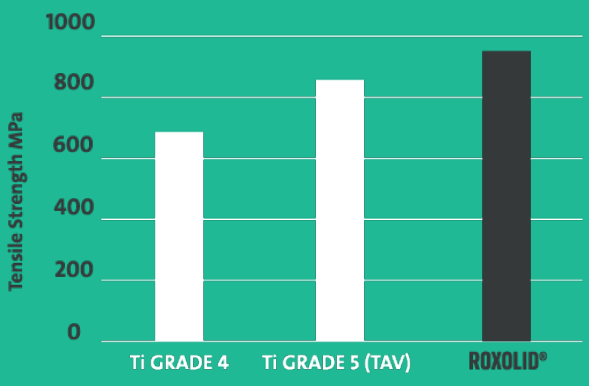
Novaloc® and Straumann® implant technologies offer compelling benefits for older patients.

The Straumann Guarantee® favors the attending physician/dentist and covers the replacement of original Straumann® implants, abutments attached to these implants as well as to tooth-supported and implant-supported restorations according to the specific terms and details listed in the official Straumann Guarantee® Form[4].

SLActive®
Uncompromised performance even in diabetic patients.

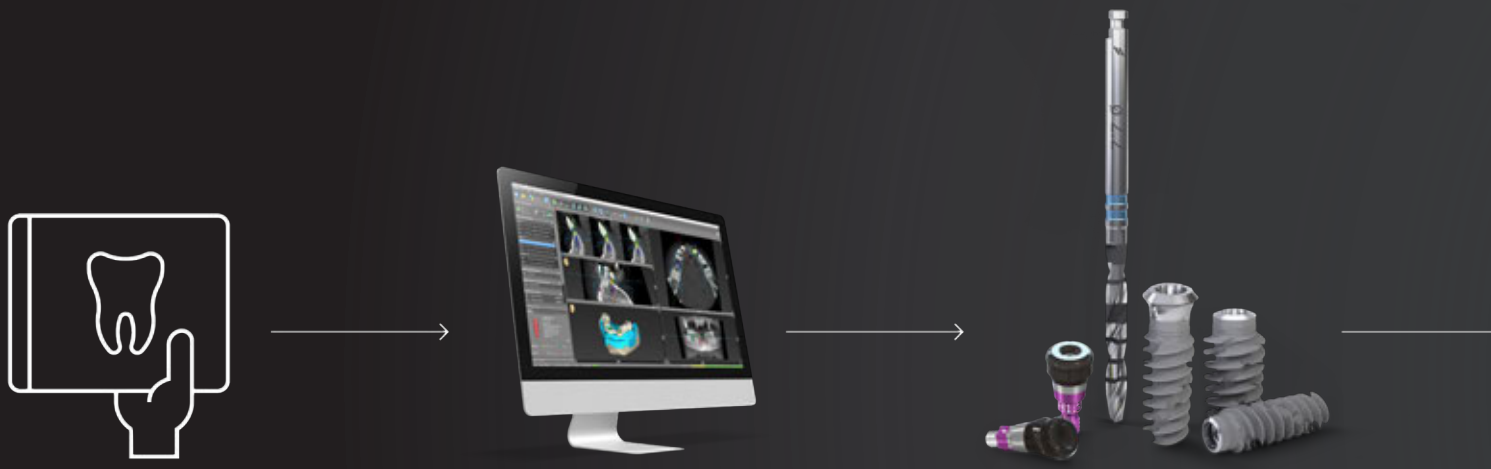
- → A new clinical study[5] that compared SLActive® performance in patients with and without diabetes showed uncompromised performance of SLActive® implants.
- → 100 % implant success rate in the diabetic group after 2 years.
- → Bone changes similar to those in healthy individuals.
- → Despite the observed lower levels of bone quality, all implants in this study showed good primary stability.

ROXOLID®
Avoid invasive grafting procedures with smaller and stronger Roxolid® Implants.
Roxolid® facilitates stronger osseointegration[6].
Furthermore, the latest data[7] shows that Roxolid® is biologically superior to Ti when it comes to immune response and osseointegration strength.



ACCELERATE YOUR PRACTICE WITH NOVALOC® DIGITAL WORKFLOW

Unlock the power of digital workflows in removable overdenture design



Data Acquisition

Planning

Surgery

NOVALOC® DIGITAL WORKFLOW IS:

FREEDOM

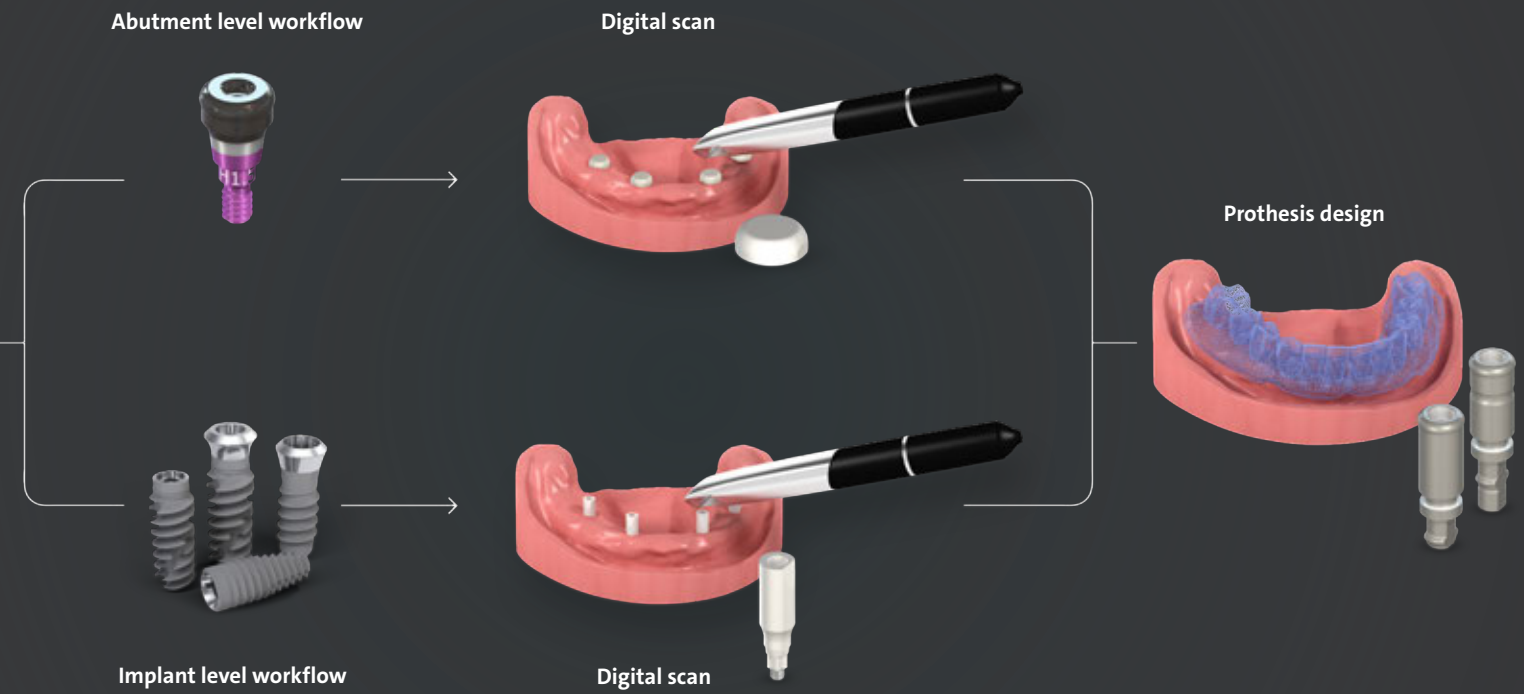
- → Works with major IOS systems
- → Store and access case data digitally
- → Increase application range for your IOS
- → Choose between abutment level or implant level workflow
- → Digitally select the abutment in the dental software*

*For abutment level workflow

PRECISION

- → The Novaloc® Scanbodies are precisely matched by design

→ Fast and precise post-surgical design



PATIENT FRIENDLY

→ Avoids unpleasant conventional impression process and materials

SPEED

→ Fewer visits for the patient
→ Less manual working steps

YOUR NOTES

REFERENCES

1 ADLC: Amorphous diamond-like carbon **2** PEEK: Polyetheretherketone **3** Roughness Evaluation (data on file) **4** Please contact your local Straumann representative for further detailed information on the terms and conditions of the Straumann Guarantee® in your country **5** Cabrera-Domínguez J, Castellanos-Cosano L, Torres-Lagares D, Machuca-Portillo G. A Prospective Case-Control Clinical Study of Titanium-Zirconium Alloy Implants with a Hydrophilic Surface in Patients with Type 2 Diabetes Mellitus. Int J Oral Maxillofac Implants. 2017 Sep/Oct;32(5):1135-1144. doi: 0.11607/jomi.5577; Cabrera-Domínguez J. A prospective, two-year clinical trial of titanium-zirconium alloy implants (Roxolid® Straumann®) with hydrophilic surface (SLActive®) in patients with Type 2 Diabetes Mellitus. presented during the 26th Annual Scientific Meeting of the European Association for Osseointegration – 5-7 Oct 2017, Madrid, Spain. **6** Gottlow J. et al., Clin Implant Dent Relat Res. 2012 Aug;14(4):538-45 **7** Wen B. et al. Clin Oral Implants Res. 2014 Jul;25(7):819-25

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