

# **STRAUMANN<sup>®</sup>** **NOVALOC<sup>®</sup>**

A reliable connection  
that endures.





# STRAUMANN® NOVALOC® RETENTIVE SYSTEM.

When durability and  
endurance count.

There are moments in life when you want a connection to be extremely reliable. So far hybrid denture attachment systems may have been facing their limits in challenging implant situations. Now there's Novaloc®.

The Novaloc® Retentive System for hybrid dentures offers an innovative carbon-based abutment coating (amorphous diamond-like carbon<sup>1</sup>) with excellent wear resistance, overcoming up to 60° implant divergence. Both a straight and a 15° angled abutment, available in various gingiva heights, cover a broad range of clinical implant situations. Together with its durable PEEK<sup>2</sup> matrices, the Novaloc® Retentive System provides a reliable connection that endures. This results in low maintenance and high patient comfort. Let your patients profit from the endurance of a reliable treatment solution.

Additionally, the Novaloc® Retentive System is now digitally empowered so that you can enhance your patients experience even more and expand your range of digital indications.



### **SURFACE**

Carbon-based coating offering diamond-like properties



### **PERFORMANCE**

Excellent material, delivering high wear resistance



### **FLEXIBILITY**

Flexibility to compensate implant divergence



### **VERSATILITY**

Convenient component handling



### **PATIENT COMFORT**

Less hassle, more comfort for your patient



### **ORIGINAL**

Rely on the original Straumann® connection

*“Diamonds are forever*

*As the name implies, ‘amorphous diamond-like carbon’ (ADLC) is a class of carbon bonds which displays several of the desirable qualities of a diamond. ADLC coatings are commonly used in the medical device field (e.g. hip joints) and reduce abrasive wear prolonging the lifetime of the medical appliance.”*

# STRAUMANN® NOVALOC® RETENTIVE SYSTEM

## SURFACE

ADLC<sup>1</sup> coatings offer several of the desired qualities of a diamond:

- hardness
- wear resistance
- sleek surface

## VERSATILITY

Novaloc® Abutment, straight and angled compatible with the standard SCS Screwdriver:

- one tool fits all
- self-retaining system preventing aspiration
- gingiva height and implant platform laser marked on abutment for clear identification
- available on all Straumann implant platforms (RN, WN, NNC, RC, NC)
- 6 gingiva heights for the straight abutment
- 5 gingiva heights for the angled abutment



## FLEXIBILITY

Novaloc® Abutment, 15° angled

Restore situations with high implant divergence:

- align a common prosthetic insertion axis up to 60° implant divergence
- reduce unilateral stress and wear

## PATIENT COMFORT

- matrix audibly and tangibly snaps into place, ensuring correct seating of the prosthesis
- angled abutments align the prosthetic insertion axis enabling exact insertion
- small SCS drive mechanism of the straight abutment reduces accumulation of debris

## ORIGINAL

Rely on the original implant-abutment connection

- Perfectly matching components
- Excellent service and support

## PERFORMANCE

In combination the materials PEEK<sup>2</sup> and ADLC<sup>1</sup> contribute to:

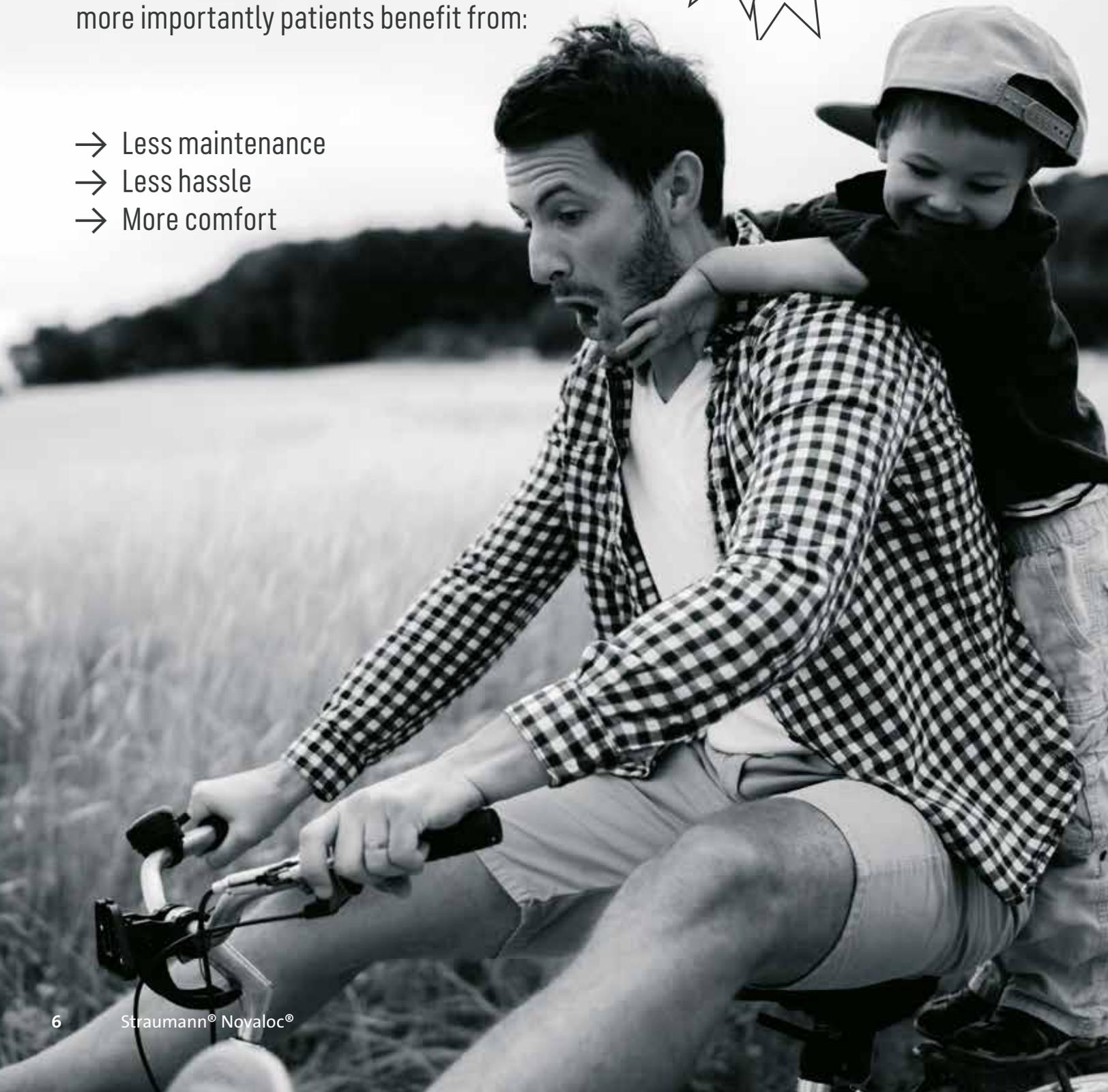
- excellent wear resistance
  - exceptional long-term performance
  - low maintenance
  - low friction between abutment and matrix
- 
- PEEK<sup>2</sup> matrix inserts offer excellent chemical and physical properties
  - matrix accommodates up to 40° prosthetic insertion between two implants
  - 6 retention strengths offer optimal adjustment of the denture retention
  - matrix housing available in titanium or color-neutral PEEK<sup>2</sup>



# SIMPLY RESISTANT

The comparison between the physical properties of various coatings underlines the high performance of the ADLC<sup>1</sup> abutment coating. Clinicians, dental technicians and more importantly patients benefit from:

- Less maintenance
- Less hassle
- More comfort



## Surface roughness (Ra) of retentive abutments for hybrid dentures<sup>6</sup>



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

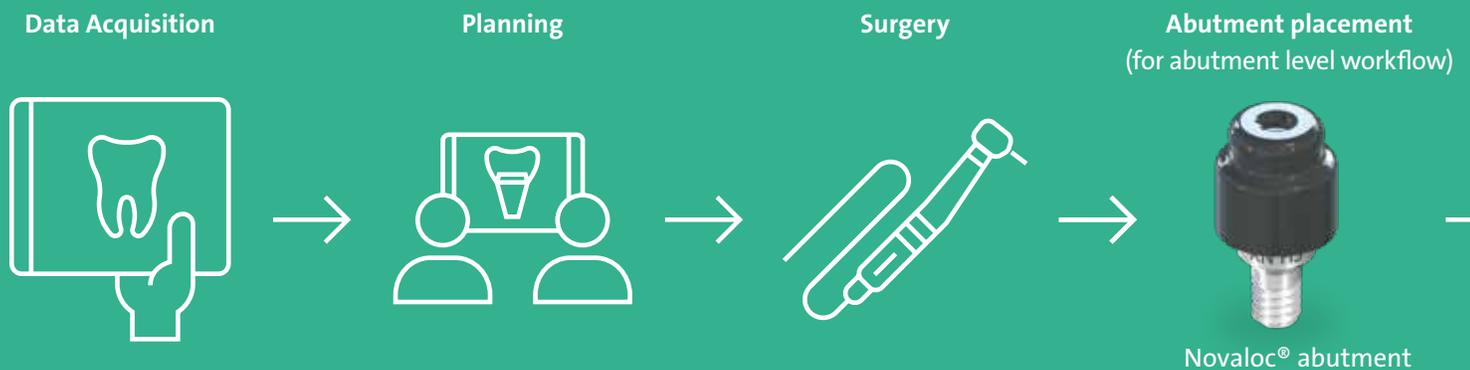
A smooth abutment surface is less abrasive against the retention inserts and contributes to longevity.

### 10-YEAR GUARANTEE

Restore confidently knowing your Straumann® Novaloc® Abutments are backed by a 10-year Limited Warranty!<sup>7</sup>

# ACCELERATE YOUR PRACTICE WITH NOVALOC® DIGITAL WORKFLOW

Approaching 100% digital restorative treatment workflow for removable implant solutions.



## 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\*



### SPEED

- Fewer visits for the patient
- Less manual working steps



### PRECISION

- The Novaloc® Scanbodies are precisely matched by design

\*For abument level workflow

# FAST AND PRECISE POST-SURGICAL DESIGN

Digital Scan



Novaloc® Scanbodies  
for intraoral scanning  
at abutment level

Prosthesis design



Novaloc® Repositional  
Analogues for 3D printing



Monoscanbody for  
intraoral scanning at  
implant level

For more information on the new digital workflow  
please contact your local Straumann representative.





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## REFERENCES

1 ADLC: Amorphous diamond-like carbon 2 PEEK: Poly Ether Ether Ketone 3 Titanium-Nitride 4 Titanium Aluminum Vanadium 5 Zirconium dioxide 6 Roughness Evaluation (data on file) 7 Subject to the guarantee conditions of Institut Straumann AG (see brochure 151.360/en). Matrices and retention inserts are not covered by the guarantee as these are subject to natural wear and tear.



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