

# Straumann<sup>®</sup> Novaloc<sup>®</sup> A reliable connection that endures.





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### **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.



SURFACE Carbon-based coating offering diamond-like properties

## Traumann<sup>®</sup> Novaloc<sup>®</sup> Retentive System. When durability and endurance count.

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

The Novaloc<sup>®</sup> 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<sup>®</sup> 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.



PERFORMANCE Excellent material, delivering high wear resistance



FLEXIBILITY Flexibility to compensate implant divergence



USABILITY Convenient component handling



PATIENT COMFORT Less hassle, more comfort for your patient



ORIGINAL Rely on the original Straumann<sup>®</sup> connection



# Straumann<sup>®</sup> Novaloc<sup>®</sup> Retentive System





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

- hardness
- wear resistance
- sleek surface



# Novaloc<sup>®</sup> 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



Restore situations with high implant divergence:

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

# M | 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



### Rely on the original implantabutment connection

- Perfectly matching components
- Excellent service and support

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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>











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# 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: Be on the safe side!

The quality of our Novaloc<sup>®</sup> Abutments is underpinned by a far-reaching quality promise: Over a period of ten years we will, if necessary, replace your Novaloc<sup>®</sup> Abutments!<sup>7</sup>



in.

LAFE

For more information on our new retentive solution please contact your local Straumann representative.

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.

### **International Headquarters**

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