



Straumann® Novaloc®

A reliable connection  
that endures.



### **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

# 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.



#### 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

#### ORIGINAL

Rely on the original Straumann® connection

# Straumann® Novaloc® Retentive System



## | SURFACE

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

- hardness
- wear resistance
- sleek surface



## | USABILITY

**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>



extra light



light



medium



strong



extra strong



ultra strong



## 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>



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.

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