

Straumann® Novaloc®  
Retentive System for Overdentures



Diamonds are forever.  
A reliable connection  
that endures.



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 are designed to 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 longevity matter.

The Novaloc Retentive System for overdentures offers both a straight and a 15° angled abutment, covering a broad range of clinical implant situations while accommodating up to 60° implant divergence. The innovative carbon-based abutment coating (amorphous diamond-like carbon) yields excellent wear resistance. Together with its durable PEEK Matrices, the Novaloc Retentive System provides a reliable connection that was built to last. Let your patients profit from a low maintenance, high comfort solution that endures.



**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

# 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
- 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

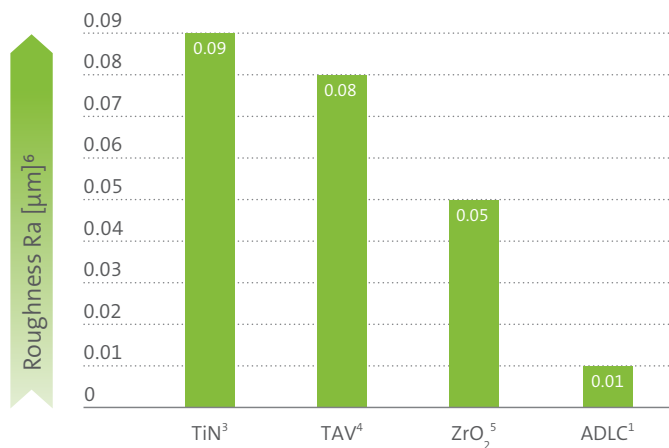


## Simply smooth

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 Limited Warranty**

Restore confidently knowing your Straumann Novaloc Abutments are backed by a 10-year Limited Warranty!<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 Straumann (see brochure CALIT 502).  
Matrices and retention inserts are not covered by the guarantee as these are subject to natural wear and tear.

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