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.
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) 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 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.
Straumann® Novaloc® Retentive System

**SURFACE**
ADLC 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
In combination the materials PEEK² and ADLC³ contribute to:

- excellent wear resistance
- exceptional long-term performance
- low maintenance
- low friction between abutment and matrix

- PEEK² 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 PEEK²
Simply resistant

The comparison between the physical properties of various coatings underlines the high performance of the ADLC* 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**

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® Abutments is underpinned by a far-reaching quality promise: Over a period of ten years we will, if necessary, replace your Novaloc® Abutments!"
For more information on our new retentive solution please contact your local Straumann representative.