



MPS

MULTI PLATFORM SYSTEMS

# Novaloc® Matrix system



 MEDENTiKA®  
A Straumann Group Brand

# Novaloc® – optimum treatment guaranteed

Because we think that things should last



## ADLC Surface

The surface quality of the ADLC coating (amorphous diamond-like carbon) sets new standards. Maximum hardness in combination with optimum sliding characteristics reduces abrasion on the abutment and damage to the retention insert.



## Divergence compensation

In combination with the angled Novaloc® abutments you can compensate for divergences of up to 70° between the implants.



## Retention insert

Die Retentionseinsätze aus dem Hochleistungskunststoff PEEK sind extrem präzise gefertigt und können seitlichen Druck durch das patentgeschützte Design optimal absorbieren.



## Matrix housing

The matrix housing is available in titanium and also beige PEEK. Peek is the favoured solution where only minimum space is available or if it is important to be metal-free.



## Screw head opening

The small screw head opening of the straight Novaloc® abutment reduces food packing.



## Outstanding handling

Retention inserts can be inserted and removed within 5 seconds. Accessories such as the very low impression matrix or easy-to-use matrix housing extractor provides stress-free handling.

# Available for a large number of implant systems

Manufacturer	Implant system	compatible with
BioHorizons	<b>Tapered Internal</b>	R-Series
	<b>Tapered Internal Plus</b>	R-Series
	<b>Tapered Tissue Level</b>	R-Series
BIOMET 3i	<b>Certain®*</b>	H-Series
	<b>External Hex</b>	I-Series
Camlog	<b>Camlog®*</b>	C-Series
	<b>Conelog®*</b>	D-Series
DENTSPLY SIRONA	<b>ANKYLOS® C/X</b>	Y-Series
	<b>ASTRA TECH OsseoSpeed® EV</b>	EV-Series
	<b>ASTRA TECH OsseoSpeed® TX</b>	S-Series
	<b>XiVE® S</b>	T-Series
HiOssen Implant®*	<b>ET-System</b>	OT-Series
MIS	<b>SEVEN Internal Hex</b>	R-Series
Nobel Biocare	<b>Bränemark System®*</b>	K-Series
	<b>NobelActive®*</b>	F-Series
	<b>NobelReplace® Conical</b>	F-Series
	<b>NobelReplace® Tapered</b>	E-Series
OSSTEM Implants	<b>TS System</b>	OT-Series
Straumann	<b>Bone Level</b>	L-Series
	<b>Tissue Level</b>	N-Series
T-Plus Implant Tech	<b>A+ Implant</b>	OT-Series
	<b>ST Implant</b>	OT-Series
Zimmer Dental	<b>Tapered Screw-Vent®*</b>	R-Series

# Medentika® Novaloc® Matrix system



## ADLC Surface

The surface quality of the ADLC coating (amorphous diamond-like carbon) sets new standards. Maximum hardness in combination with optimum sliding characteristics reduces abrasion on the abutment and damage to the retention insert.



## Screw head opening

The small screw head opening of the straight Novaloc® abutment reduces food packing.



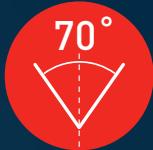
## Placement instrument

Placement instrument The straight Novaloc® abutments can be inserted using the respective original placement instrument of the corresponding implant system.

## Gingival heights

The straight Novaloc® abutments are available in 5 different gingival heights.





#### Divergence compensation

In combination with the angled Novaloc® abutments you can compensate for divergences of up to 70° between the implants.



#### ADLC Surface

The surface quality of the ADLC coating (amorphous diamond-like carbon) sets new standards. Maximum hardness in combination with optimum sliding characteristics reduces abrasion on the abutment and damage to the retention insert.

#### Gingival heights

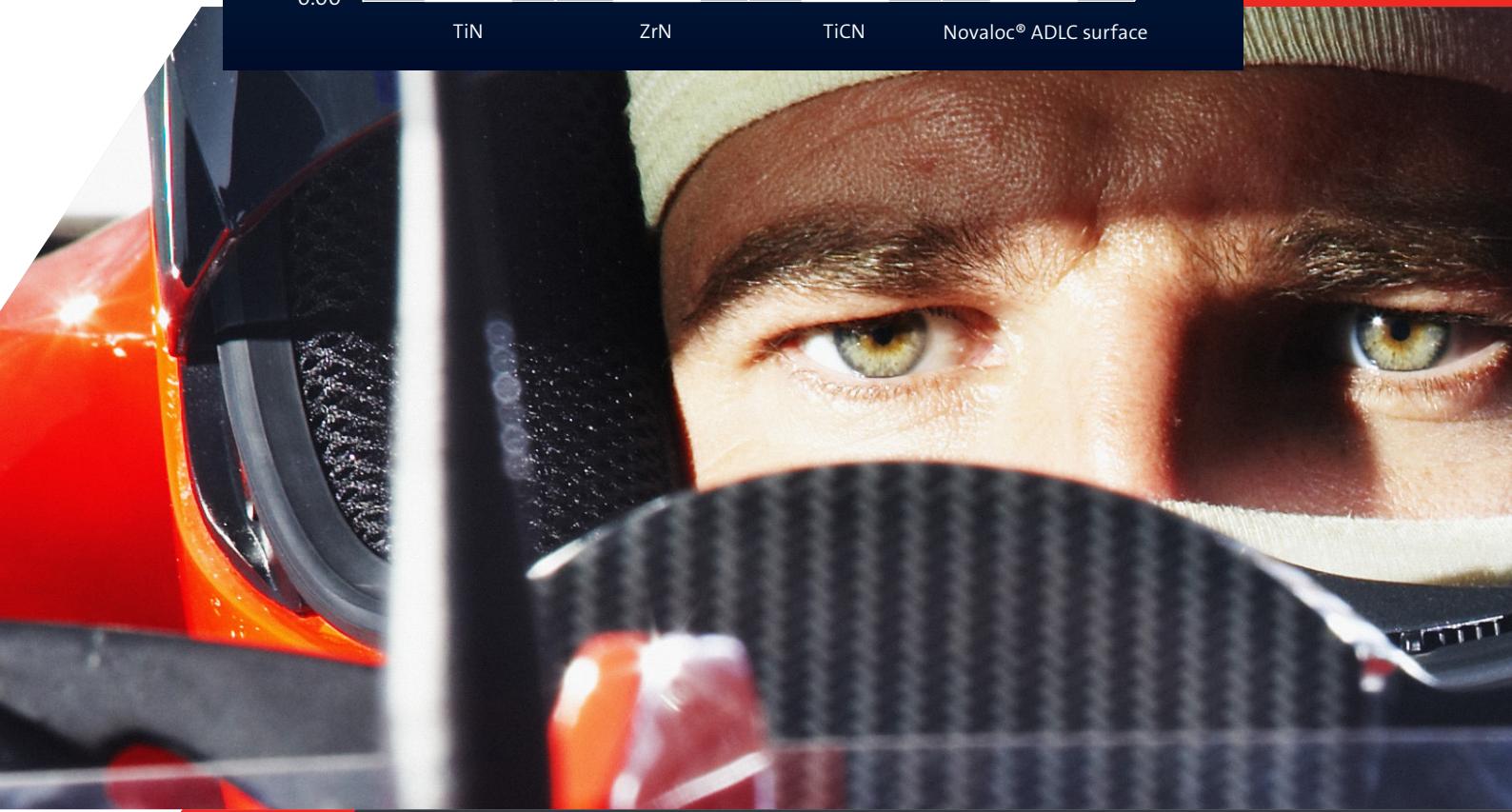
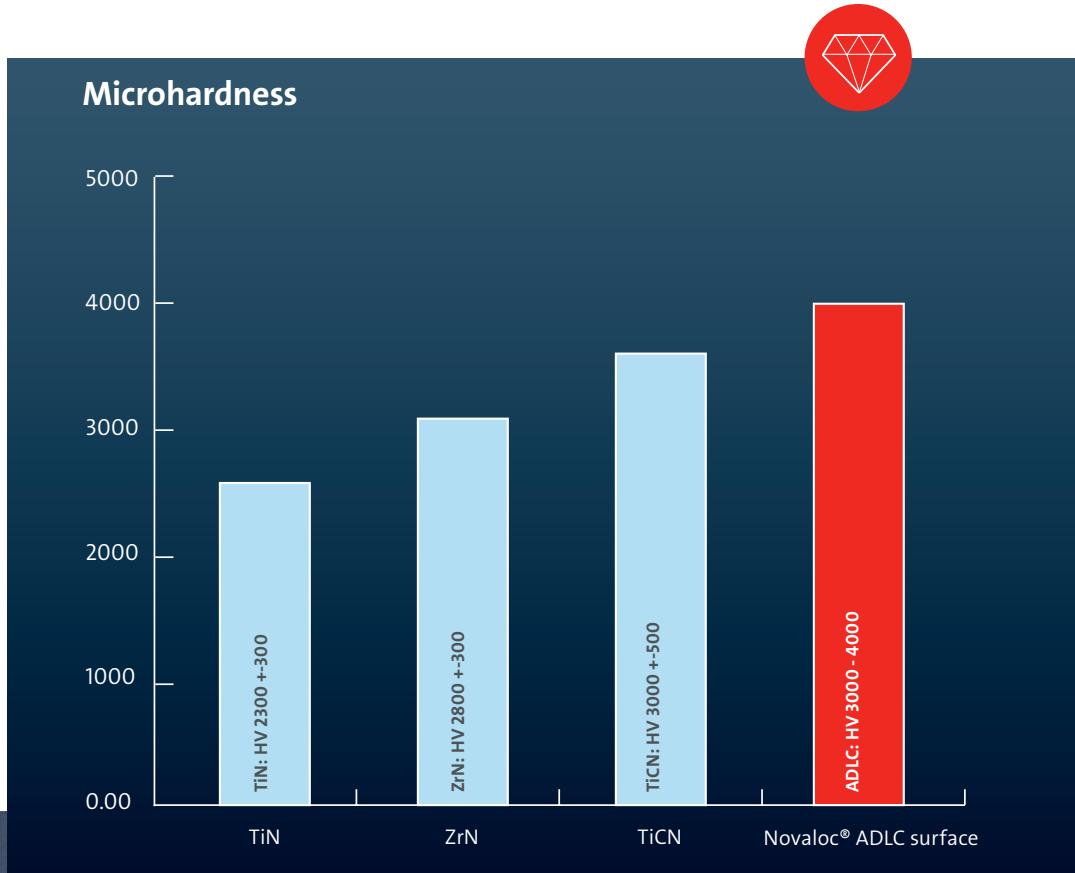
The angled Novaloc® abutments are available in 5 different gingival heights.



#### Placement instrument

All angled Novaloc® abutments are inserted using the Ball-Torx placement instrument (Mo3-8 or M 10-8), guaranteeing reliable force transfer.

# ADLC Surface (amorphous diamond-like carbon)

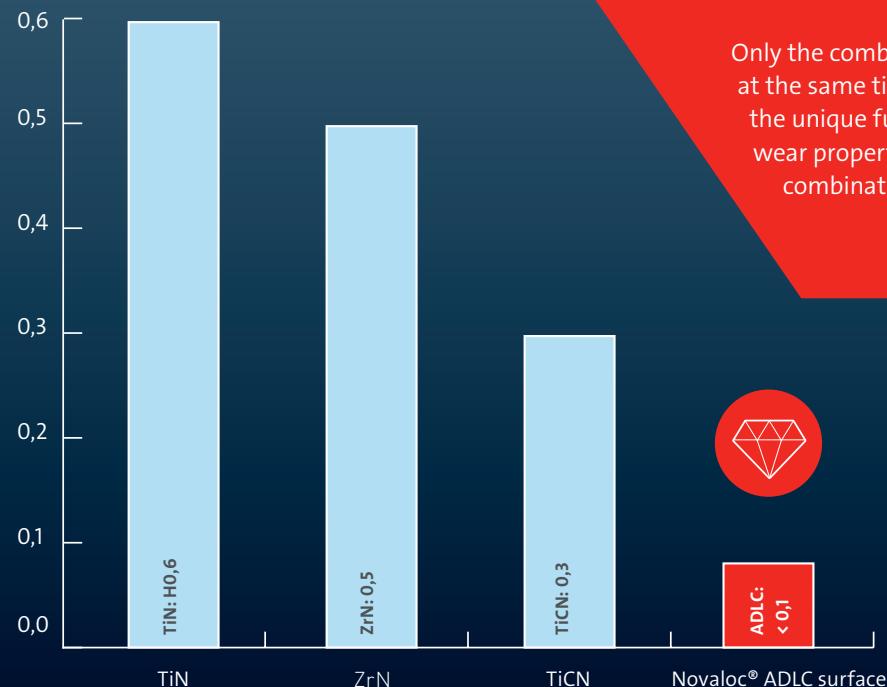


# Permanent quality

The ADLC surface is a carbon-based coating with diamond like characteristics. A comparison of the physical properties of different abutment coatings prove:

**The properties of the ADLC surface are outstanding.**

**Coefficient of friction compared with steel**



Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and greatly reduced wear properties of the Novaloc® abutments in combination with the Novaloc® matrices.

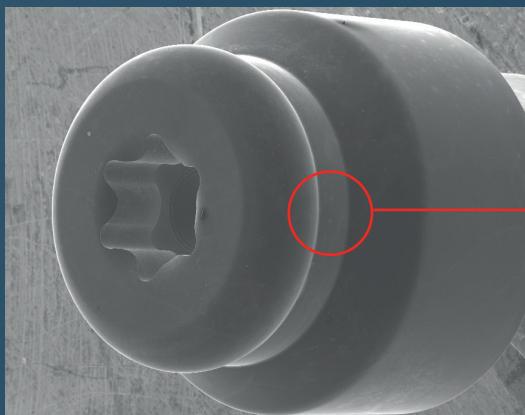


ADLC:  
< 0,1

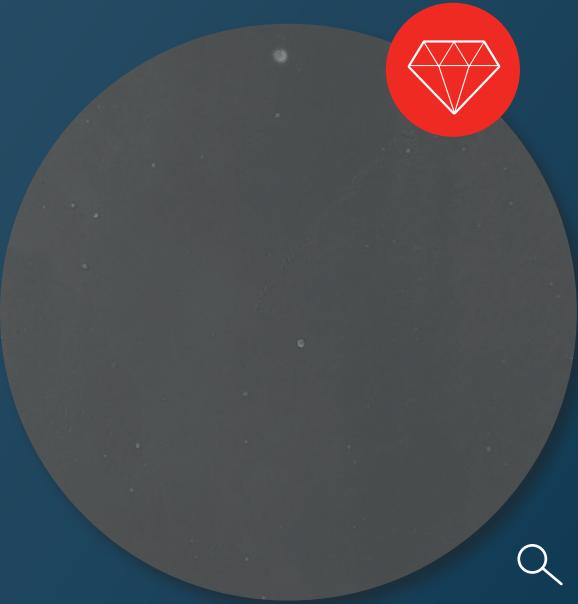


# Novaloc® provides maximum hardness with optimum sliding characteristics

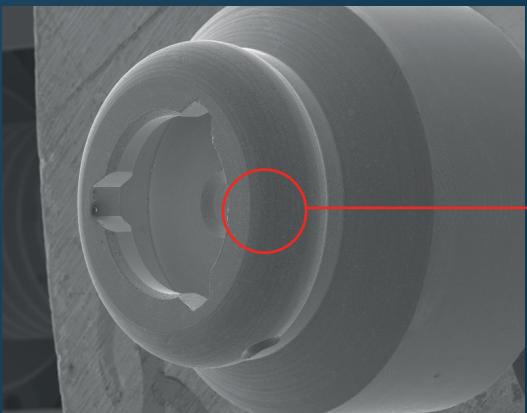
Im Besonderen die Kombination aus rauer Oberfläche bei gleichzeitig hoher Härte kann sich als kontraproduktiv erweisen, da bei dieser Kombination die „gehärteten“ Rauhigkeiten wie Mikroschneidekanten (Mikrofeileffekt) wirken, wodurch die Retentionseinsätze besonders schnell verschleißen können.



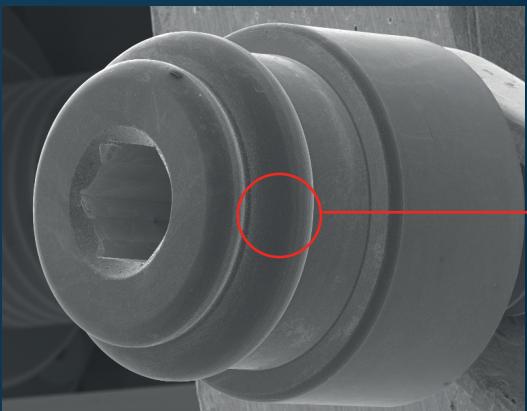
Novaloc® ADLC surface



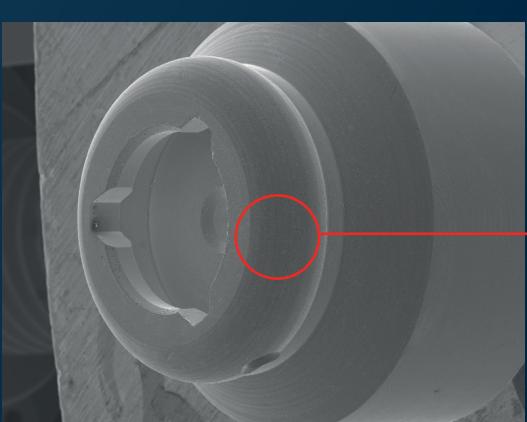
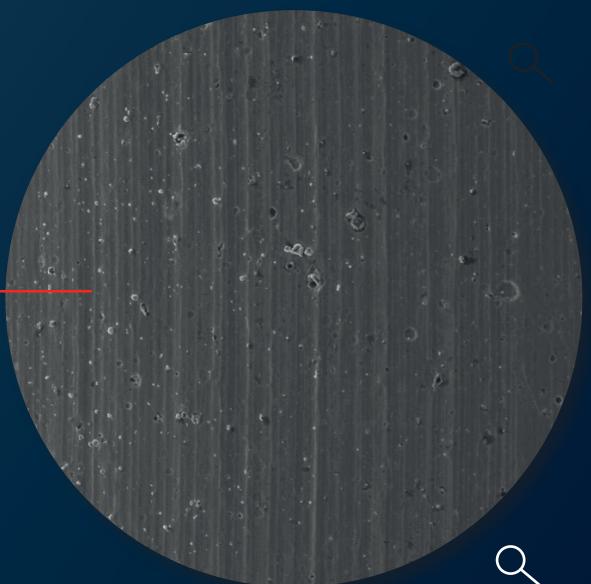
Only the combination of a very smooth and very hard surface achieves the unique functionality and reduced wear properties of the Novaloc® abutments in combination with the Novaloc® matrices.



Titanium nitride (TiN)



Dura Tec™ Coating (TiCN)



DESS LOC > Zirconium nitride (ZrN)



## Novaloc® – Latest Technology.

The Novaloc® matrix system with its newly developed technology is a prefabricated connector for retaining removable restorations on Novaloc® abutments. The matrix housing is available in titanium + colour-neutral PEEK. In combination with the Novaloc® abutment the matrix system has an impressive service life and functionality.



### Matrix housing

The matrix housing is available in titanium and also beige PEEK. Peek is the favoured solution where only minimum space is available or if it is important to be metal-free.



### Retention insert

Retention inserts made from PEEK high-performance plastic are manufactured with extreme precision and can optimally absorb lateral pressure thanks to the patented design.



### No compromises

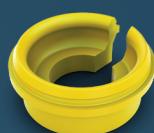
You have the choice between 6 retention inserts with different retention forces, which easily master divergences up to 20 degrees per implant. In combination with angled Novaloc® abutments even 35° per implant.



extra-light



light



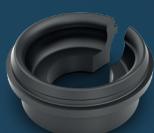
medium



strong



extra-strong



ultra-strong



### Outstanding handling

Retention inserts can be inserted and removed within 5 seconds. Accessories such as the very low impression matrix or easy-to-use matrix housing extractor guarantee stress-free handling.



### Matrix housing

The Novaloc® matrix housing is available in titanium and beige PEEK plastic. The beige plastic (PEEK) version is used with an extremely labial or buccal position of the implant (no grey shine through) and in holistic dentistry where treatment should be completely metal free.

The titanium matrix housing is also available with even stronger retention. This is used in cases where even higher retention should be guaranteed in the denture base or with too deep lying and not ideally selected abutment heights.



# We have a passion for precision, quality and durability

- One of the leading compatibles manufacturer
- Made in Germany
- Compatible with all popular implant systems at an affordable price
- Committed to collaboration, teamwork and partnership
- Guaranteed up to lifetime

➤ Passion for  
**Precision** ➥



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