

»» The highly polished
durable ADLC surface offers
maximum efficiency ««



MPS
Multi Platform Systems

NOVALOC®
MATRIX
SYSTEM

>> 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

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



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:

C-Series	compatible with	Altatec	Camlog®*
D-Series	compatible with	Altatec	Conelog®*
E-Series	compatible with	Nobel Biocare	NobelReplace® Tapered*
F-Series	compatible with	Nobel Biocare	NobelActive®
			NobelReplace® Conical*
			Certain®*
H-Series	compatible with	BIOMET 3i	Brånemark System®*
K-Series	compatible with	Nobel Biocare	Bone Level**
L-Series	compatible with	Straumann	Tissue Level**
N-Series	compatible with	Straumann	Screw-Vent®*
R-Series	compatible with	Zimmer Dental	SEVEN Internal Hex**
		MIS	Tapered Internal**
		BioHorizons	Tapered Internal Plus**
			Tapered Tissue Level**
S-Series	compatible with	DENTSPLY Implants	ASTRA TECH OsseoSpeed TX**
T-Series	compatible with	DENTSPLY Implants	XiVE®*
Y-Series	compatible with	DENTSPLY Implants	ANKYLOS®*

The Novaloc® product range is being continually extended to include other abutment series.

* is a registered trademark of an independent third party
** is a product name of an independent third party

>> MEDENTIKA® Novaloc® Matrix system <<



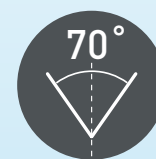
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Placement instrument

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

Angulation

Angulation of the abutments 15°

Gingival heights

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

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 (M03-8 or M 10-8), guaranteeing reliable force transfer.

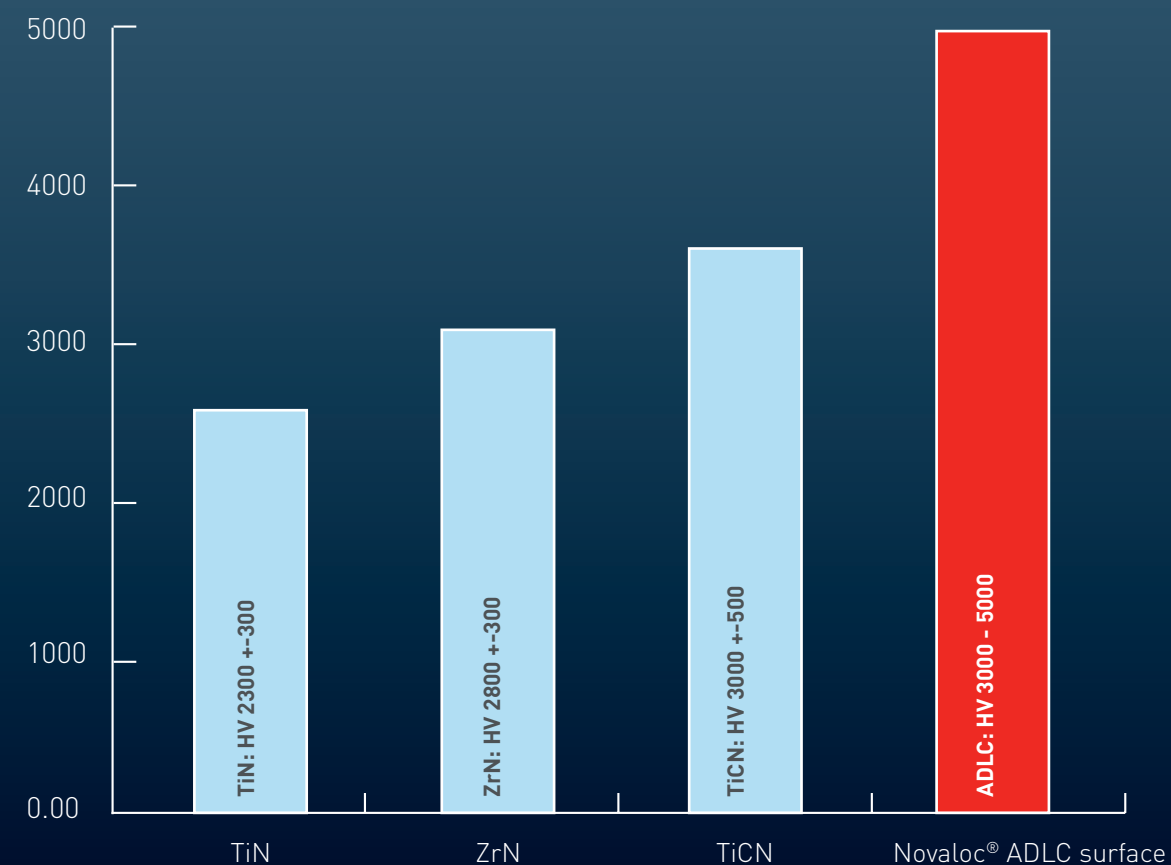
» ADLC Surface « (amorphous diamond-like carbon) «

» Permanent quality «

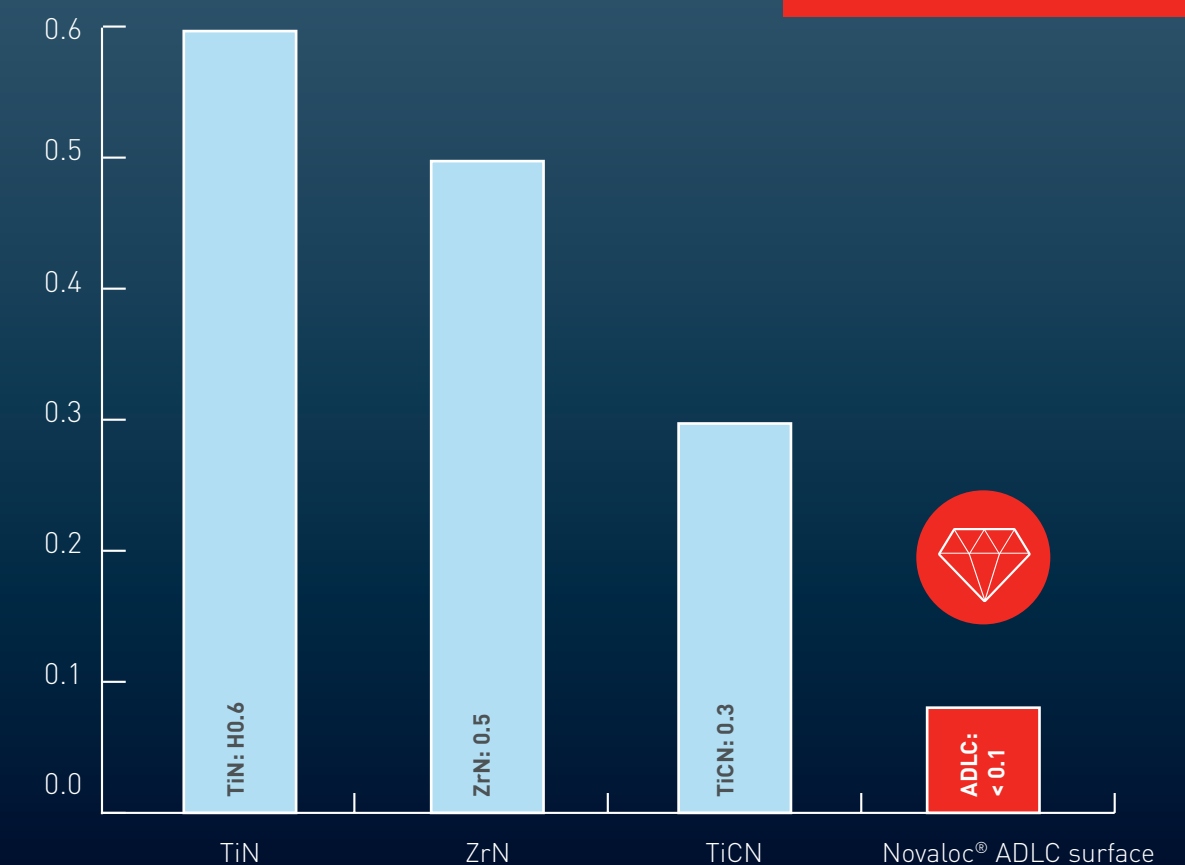
The ADLC surface is a carbon-based coating with diamond like characteristics. A comparison of the physical properties of different abutment coatings prove:

The properties of the ADLC surface are outstanding.

Microhardness

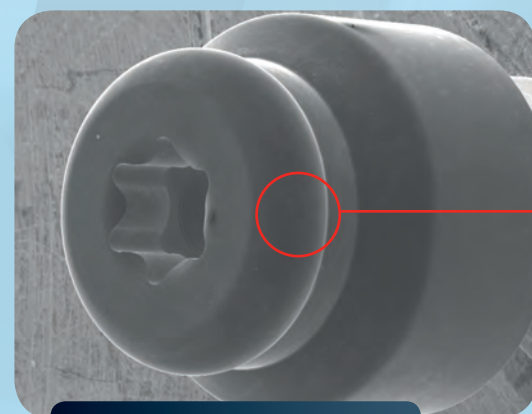


Coefficient of friction compared with steel

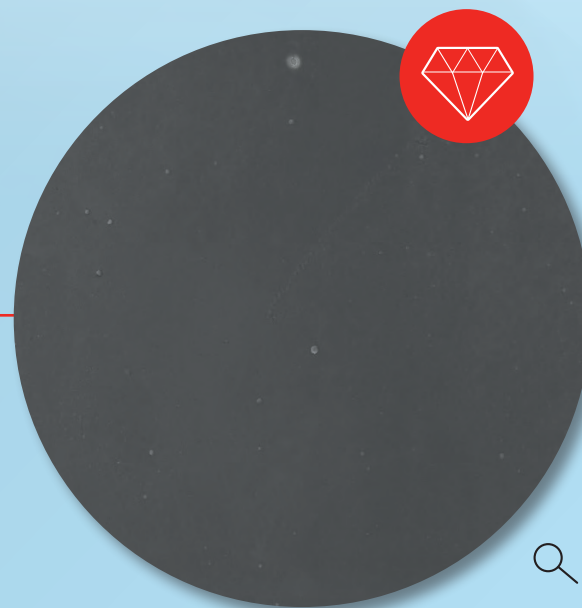


Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and greatly reduced wear properties of the Novaloc® abutments in combination with the Novaloc® matrices.

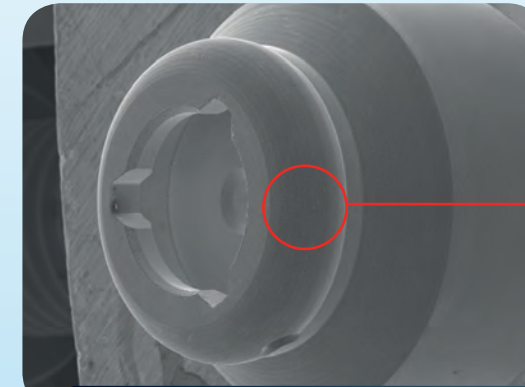
» Novaloc® provides **maximum hardness** with **optimum sliding characteristics** «



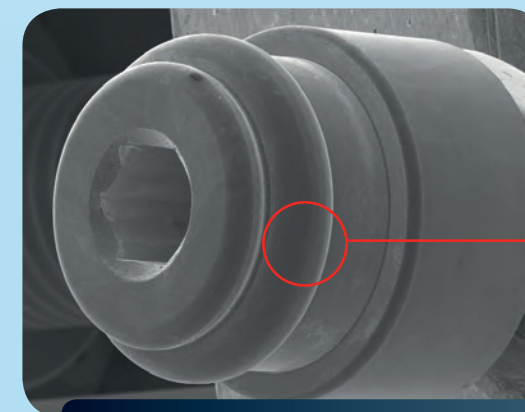
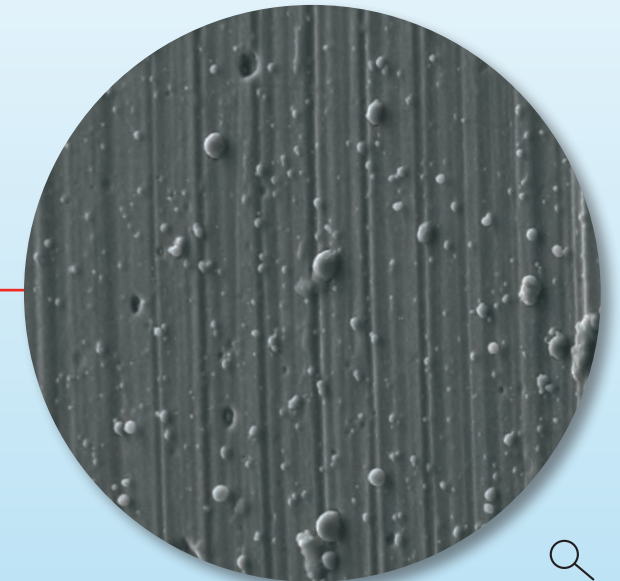
Novaloc® ADLC surface



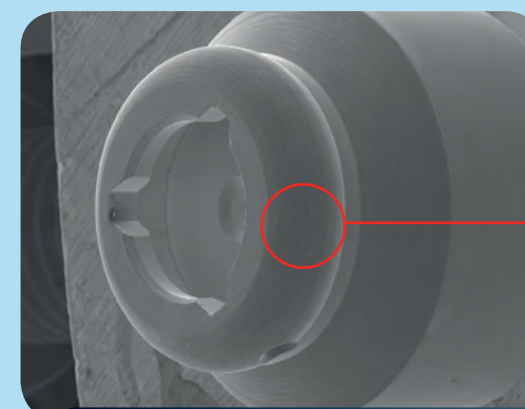
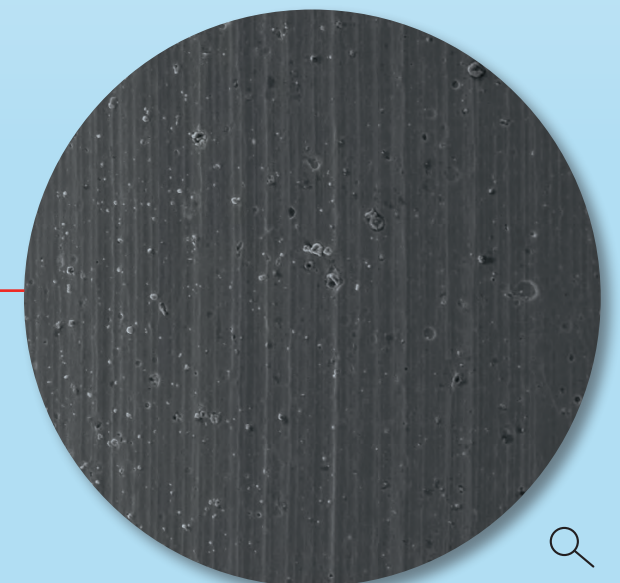
The combination of rough surface and high hardness in particular can be counterproductive, as with this combination the “hardened” rough surfaces act as micro-cutting edges (micro-file effect), which can very quickly cause wear of the retention inserts.



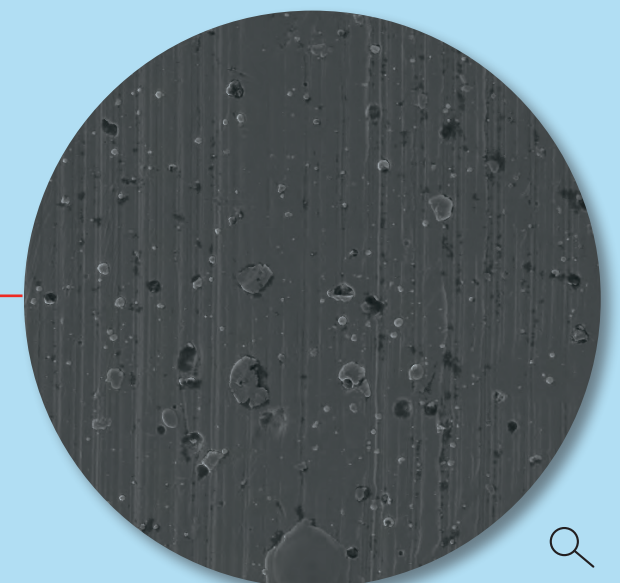
Titanium nitride (TiN)



Dura Tec™ Coating (TiCN)



DESS LOC > Zirconium nitride (ZrN)



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.

Novaloc® – Latest Technology.

The Novaloc® matrix system with its newly developed technology is a pre-fabricated 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.



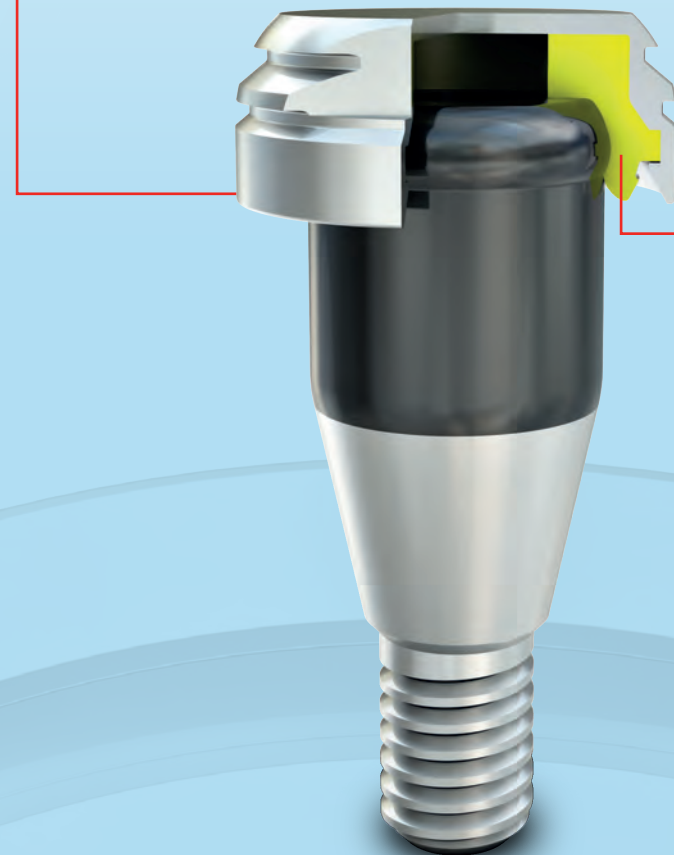
Matrix housing

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.

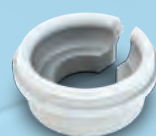


No compromises

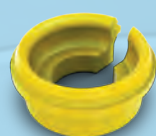
You have the choice between 6 retention inserts with different retention forces, which easily master divergences up to 20 degrees per implant. In combination with angled Novaloc® abutments even 35° per implant.



extra-light



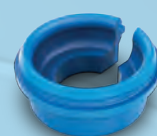
light



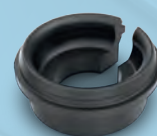
medium



strong



extra strong

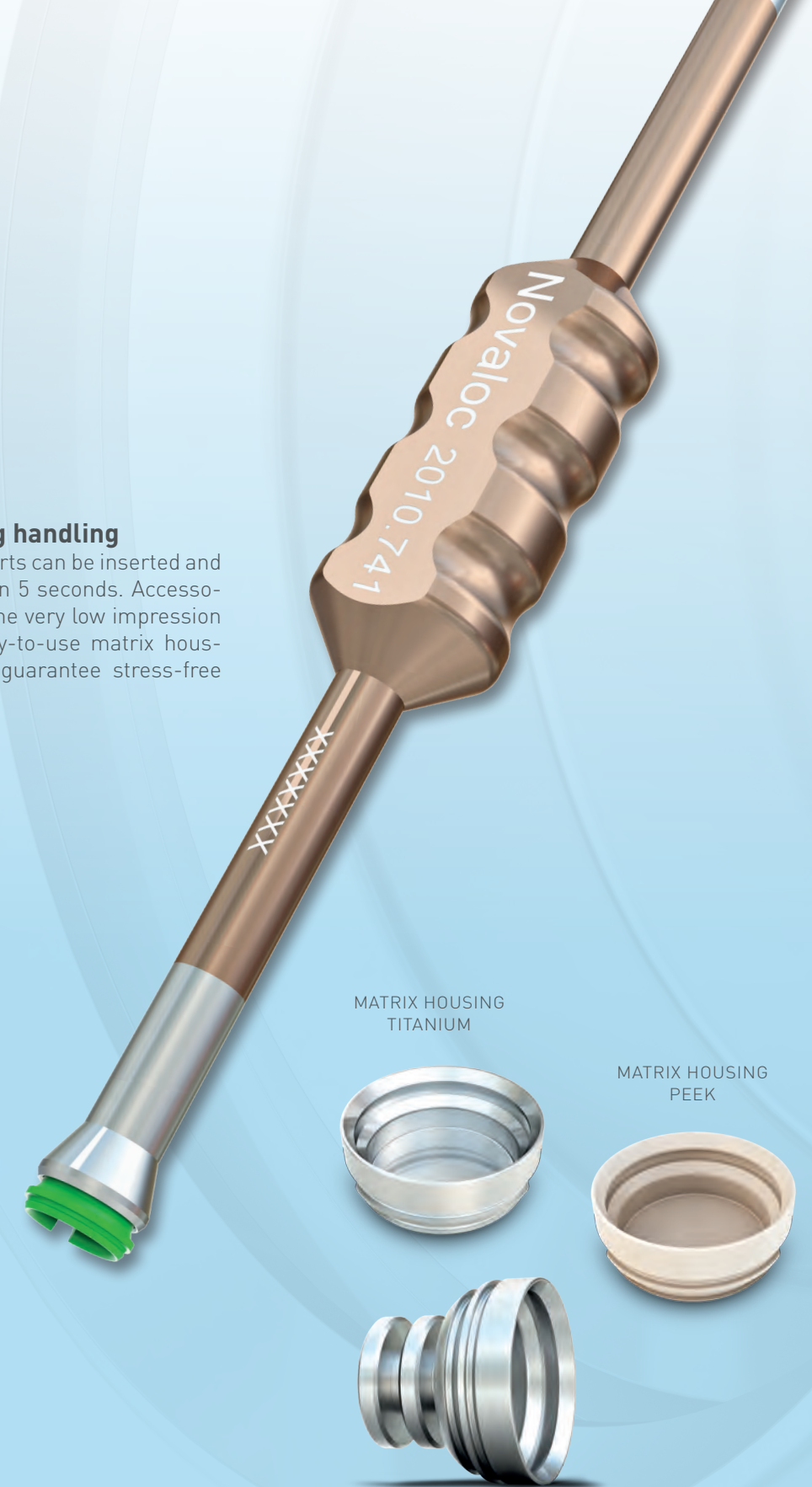


ultra-strong



Outstanding handling

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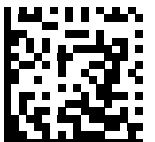
Matrix housing

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.

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»» Passion for
precision ««



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