

»» Because we think that
things should last ««



MPS
Multi Platform Systems

**NOVALOC
OPTILOC
MATRIX
SYSTEM**

 **MEDENTIKA**[®]
A Straumann Group Brand

» Novaloc «



Picture	Part no.	Part description	Specifications	Amount per package
	2010.101	Novaloc Equipment Box	Incl. 3 tools (without load)	1 pc
	2010.601	Novaloc Processing package titanium	<ul style="list-style-type: none"> • Titanium matrix housing (1 pc) • Retention insert white (1 pc) • Retention insert yellow (1 pc) • Retention insert green (1 pc) • Mounting collar, silicone (1 pc) 	2 pcs
	2010.611	Novaloc Processing package PEEK	<ul style="list-style-type: none"> • PEEK matrix housing (1 pc) • Retention insert white (1 pc) • Retention insert yellow (1 pc) • Retention insert green (1 pc) • Mounting collar, silicone (1 pc) 	2 pcs
	2010.701	Novaloc Matrix housing, titanium (incl. mounting insert black)	Matrix housing: titanium Mounting insert: POM	4 pcs
	2010.702	Novaloc Matrix housing, titanium with attachment option (incl. mounting insert black)	Matrix housing: PEEK Mounting insert: POM	4 pcs
	special accessory 2010.703	Novaloc Matrix housing, PEEK (incl. mounting insert black)	Matrix housing: titanium Mounting insert: POM	4 pcs
	special accessory 2010.710	Novaloc Retention insert red	PEEK Retention force: extra-light	4 pcs
	2010.711	Novaloc Retention insert white	PEEK Retention force: light	4 pcs
	2010.712	Novaloc Retention insert yellow	PEEK Retention force: medium	4 pcs
	2010.713	Novaloc Retention insert green	PEEK Retention force: strong	4 pcs
	2010.714	Novaloc Retention insert blue	PEEK Retention force: extra-strong	4 pcs
	special accessory 2010.715	Novaloc Retention insert black	PEEK Retention force: ultra-strong	4 pcs
	2010.721	Novaloc Model analogue	Aluminium	4 pcs
	2010.722	Novaloc Forming / fixing matrix	PEEK	4 pcs
	2010.723	Novaloc Processing spacer, white	POM	4 pcs
	2010.724	Novaloc Mounting collar, silicone	Silicone	10 pcs
	2010.725	Novaloc Mounting insert	POM	4 pcs
	2010.731	Novaloc Demounting tool for mounting inserts + model analogue reposition aid (blue)	Aluminium, steel	1 pc
	2010.741	Novaloc Mounting and demounting tool for retention inserts (brown)	Aluminium, steel	1 pc
	2010.751	Novaloc Matrix housing extractor (grey)	Aluminium, steel	1 pc

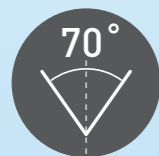
»» Novaloc – optimum treatment guaranteed ««

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. The 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®*
		MEDENTiKA®	Procone
D-Series	compatible with	Altatec	Conelog®*
E-Series	compatible with	Nobel Biocare	NobelReplace®* Tapered
EV-Series	compatible with	DENTSPLY Implants	ASTRA TECH OsseoSpeed®* EV
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	Tapered 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®* S
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

»» MEDENTiKA® Novaloc Matrix system ««



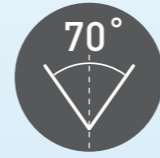
ADLC Surface

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.



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ADLC Surface

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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.

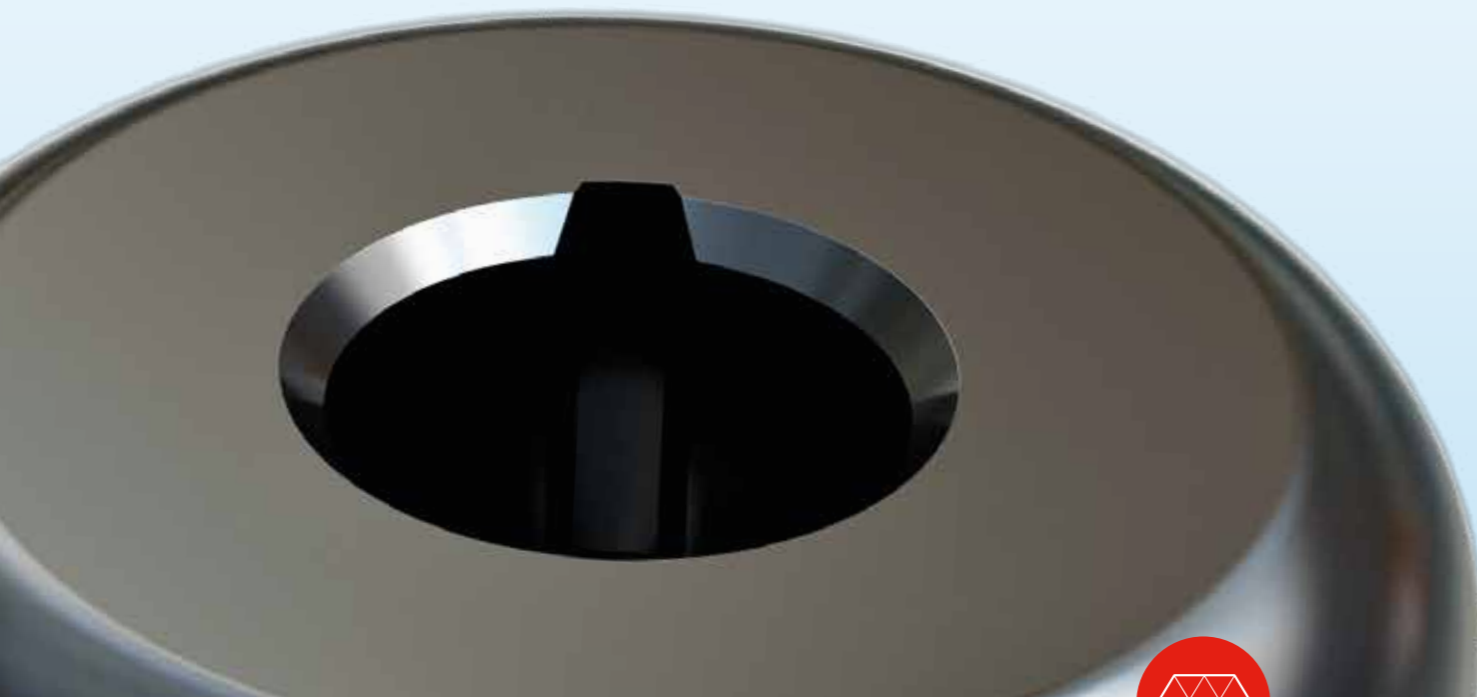


» ADLC Surface « (amorphous diamond-like carbon) «

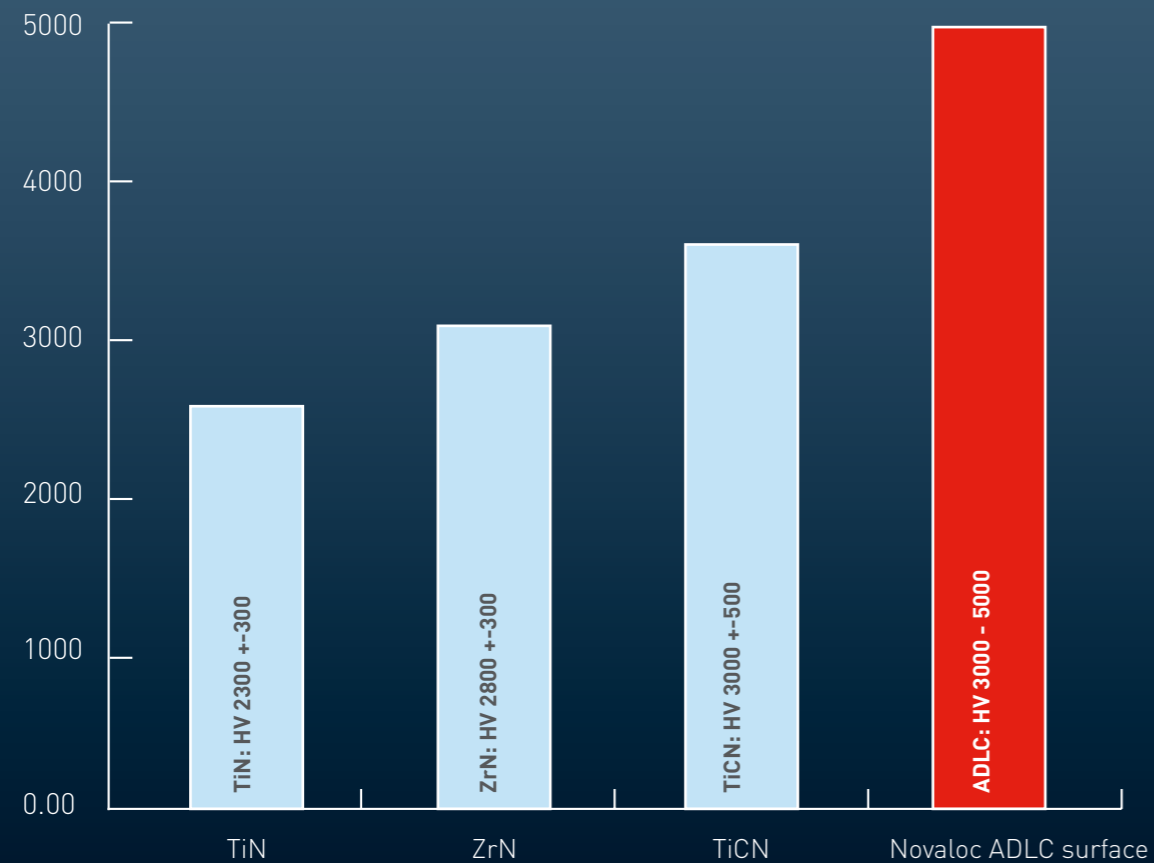
» Permanent quality «

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

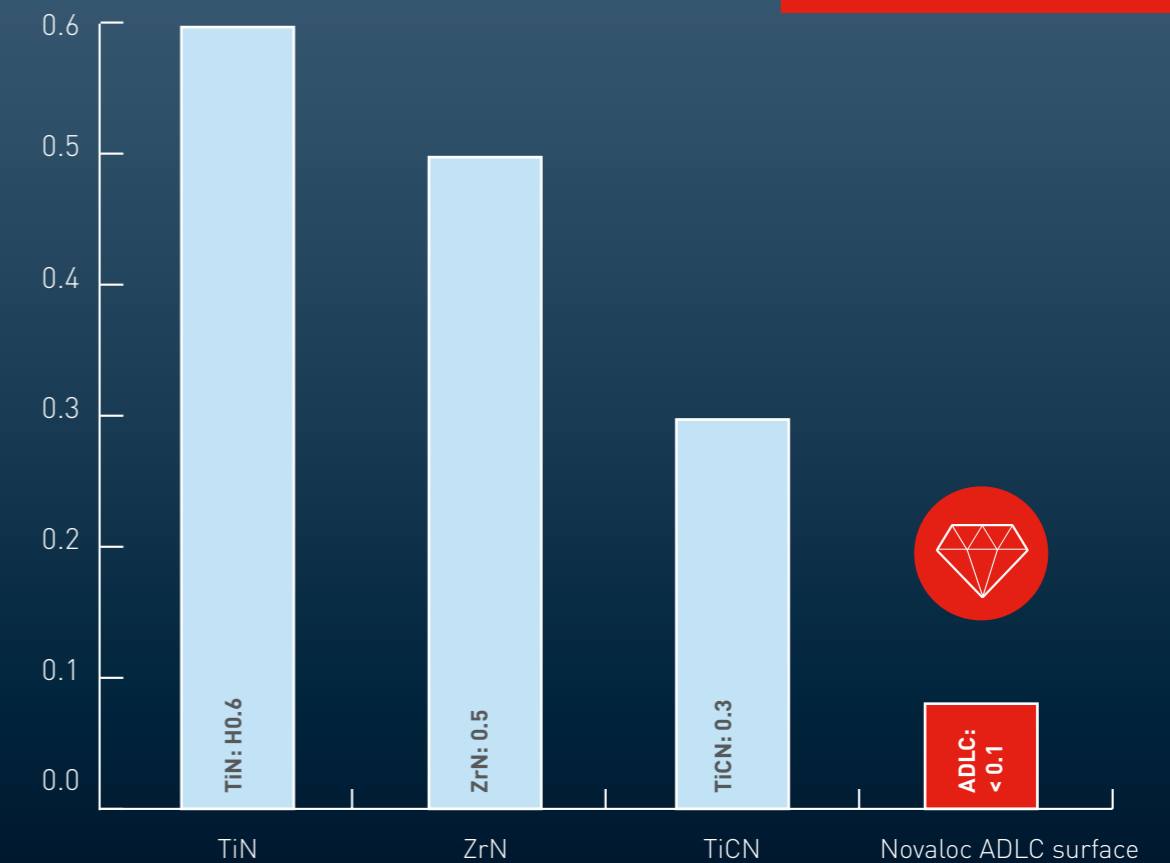
The properties of the ADLC surface are outstanding.



Microhardness



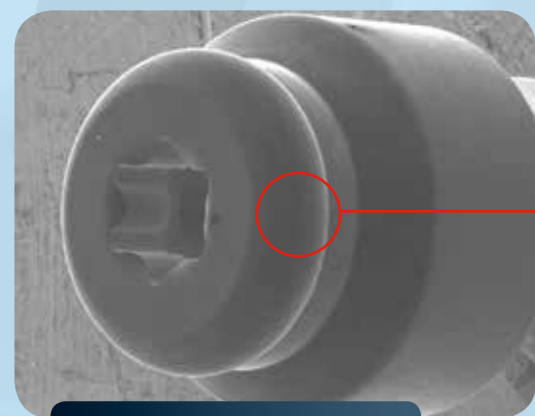
Coefficient of friction compared with steel



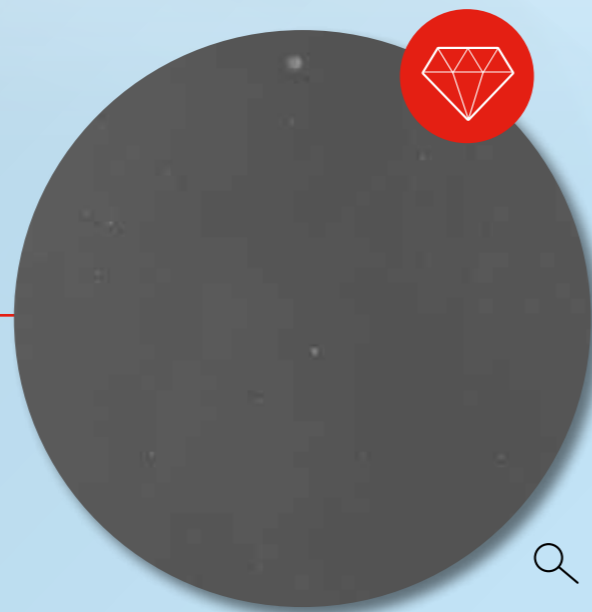
Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and greatly reduced wear properties of the Novaloc abutments in combination with the Novaloc matrices.



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

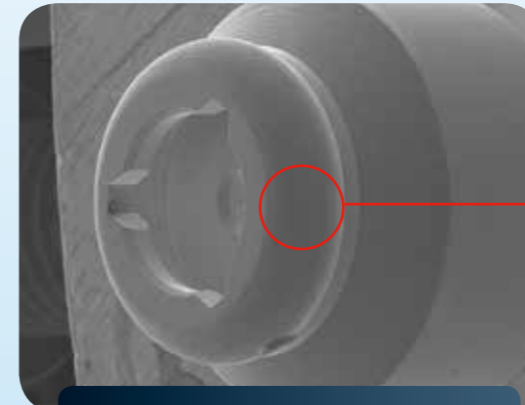


Novaloc ADLC surface

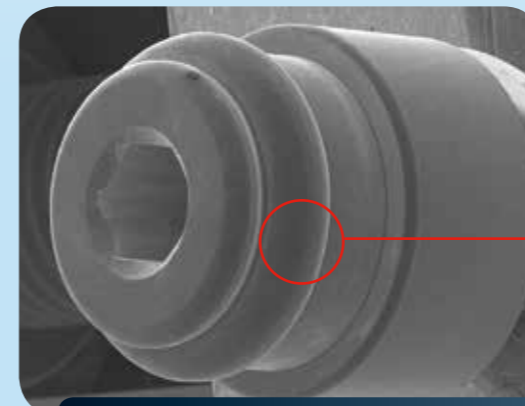
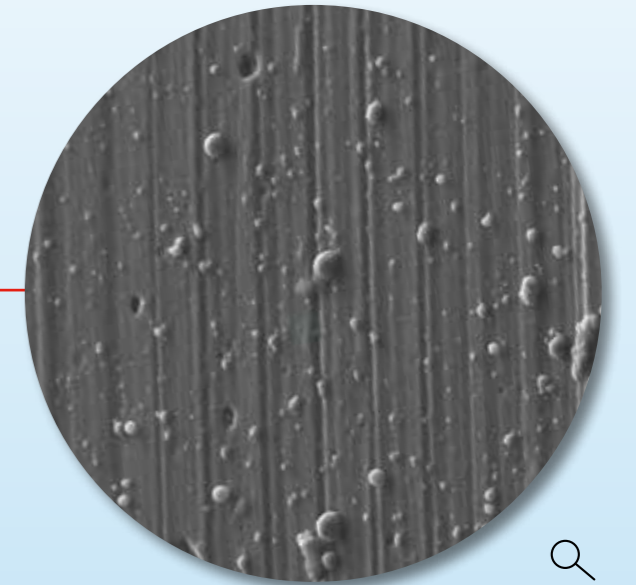


Only the combination of a very smooth and very hard surface achieves the unique functionality and reduced wear properties of the Novaloc abutments in combination with the Novaloc matrices.

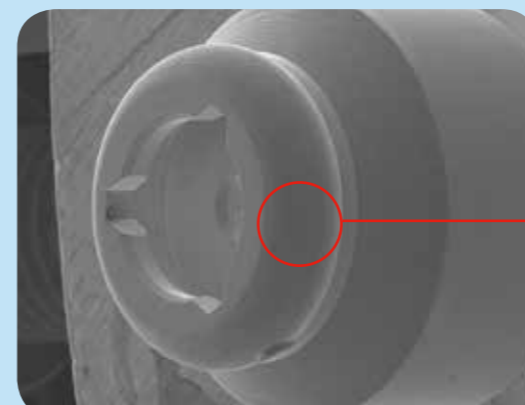
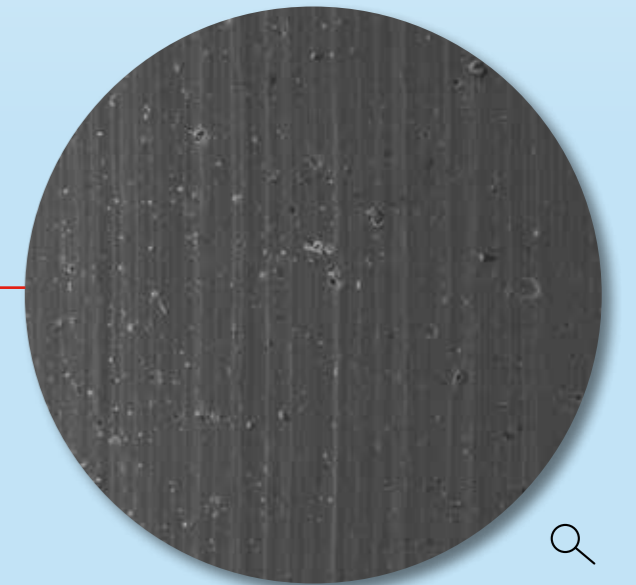
The combination of rough surface and high hardness in particular can be counterproductive, as with this combination the "hardened" rough surfaces act as micro-cutting edges (micro-file effect), which can very quickly cause wear of the retention inserts.



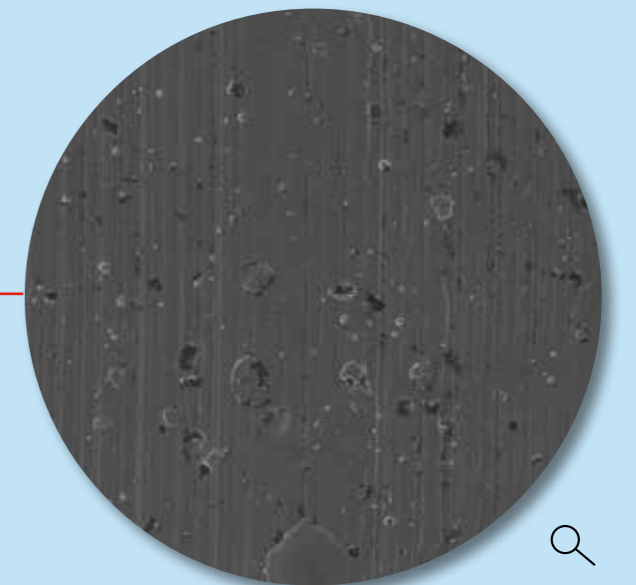
Titanium nitride (TiN)



Dura Tec Coating (TiCN)



DESS LOC > Zirconium nitride (ZrN)



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. The solution where only minimum space is available or if it is important to be metal-free.



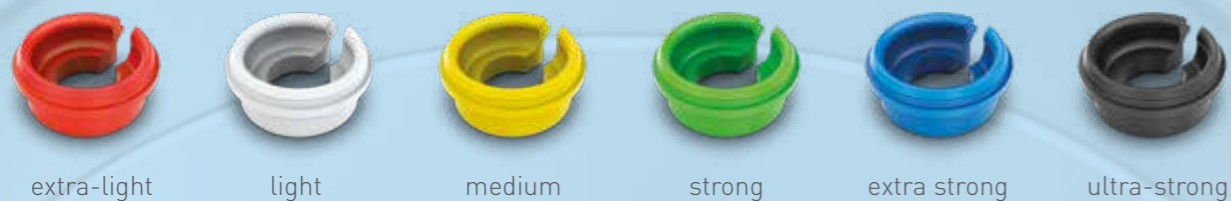
Retention insert

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

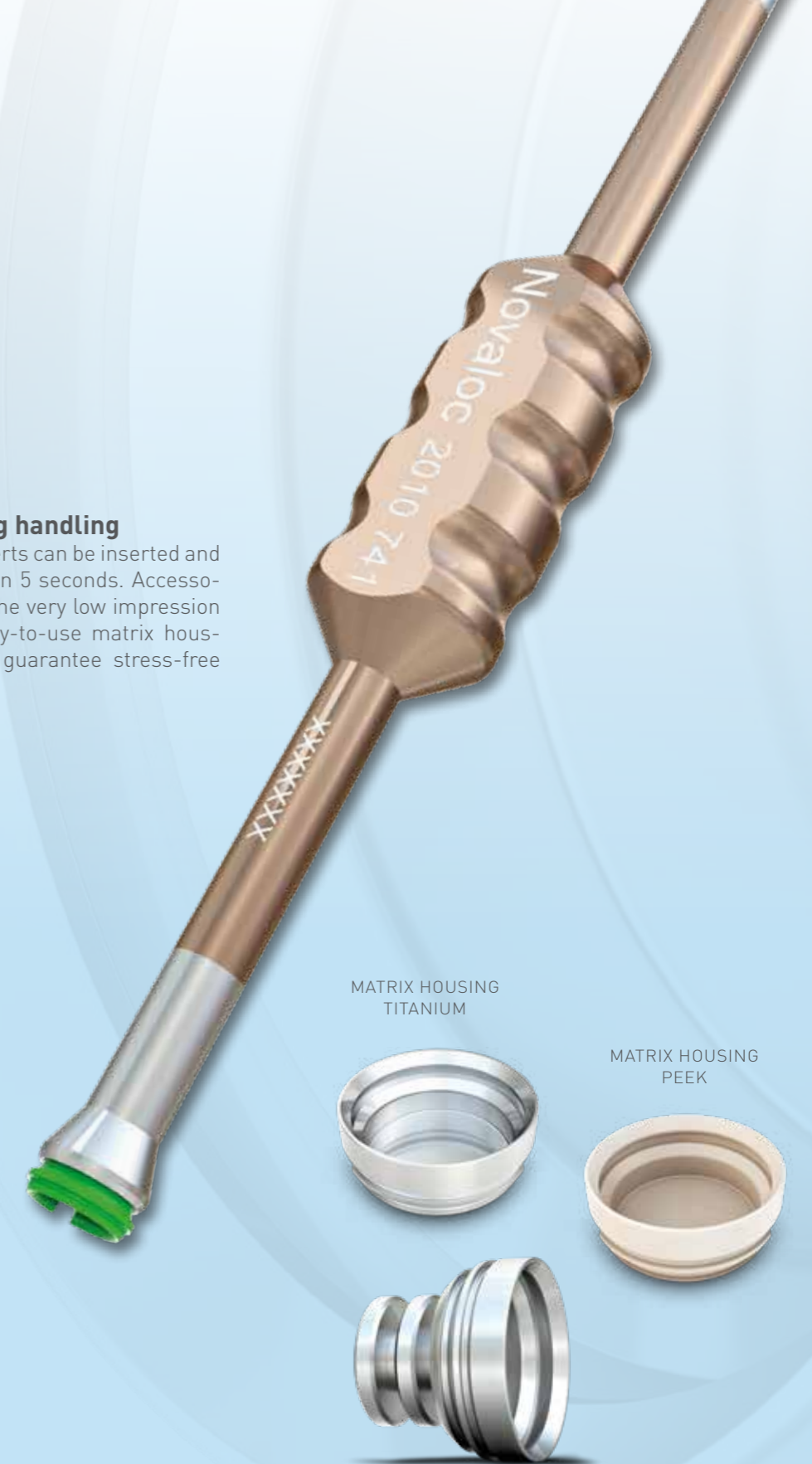
extra strong

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
TITANIUM

MATRIX HOUSING
PEEK





















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.

»» Optiloc ««



Picture	Part no.	Part description	Specifications	Amount per package
	5102.0000	Optiloc Equipment Box	Incl. 3 tools Instrument brown 3202.0001 Instrument blue 3202.0002 Instrument grey 3202.0003 (without load)	1 pc
	5202.0001	Optiloc Processing package titanium	<ul style="list-style-type: none"> • Titanium matrix housing • Retention insert white • Retention insert yellow • Retention insert green • Mounting collar, silicone 	2 pcs
	2102.0001	Optiloc Matrix housing, titanium	Matrix housing: titanium	4 pcs
	2102.0009	Optiloc Matrix housing, elliptic	Titanium	4 pcs
	special accessory 2102.0010	Optiloc Matrix housing, titanium with attachment option	Matrix housing: titanium	4 pcs
	special accessory 2102.0003	Optiloc Retention insert red	PEEK Retention force: extra-light	4 pcs
	2102.0004	Optiloc Retention insert white	PEEK Retention force: light	4 pcs
	2102.0005	Optiloc Retention insert yellow	PEEK Retention force: medium	4 pcs
	2102.0006	Optiloc Retention insert green	PEEK Retention force: strong	4 pcs
	2102.0007	Optiloc Retention insert blue	PEEK Retention force: extra-strong	4 pcs
	special accessory 2102.0008	Optiloc Retention insert black	PEEK Retention force: ultra-strong	4 pcs
	2102.0024	Optiloc Model analogue	Aluminium	4 pcs
	2102.0012	Optiloc Forming / fixing matrix	PEEK	4 pcs
	2102.0023	Optiloc Processing spacer	POM C	4 pcs
	2102.0011	Optiloc Mounting collar, silicone	Silicone	10 pcs
	3202.0002	Optiloc Model analogue reposition aid + Laboratory placement instrument blue	Aluminium, steel	1 pc
	3202.0001	Optiloc Mounting and demounting tool for retention inserts [brown]	Aluminium, steel	1 pc
	3202.0003	Optiloc Matrix housing extractor	Aluminium, steel	1 pc

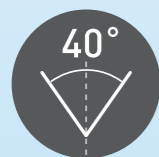
»» Optiloc – guarantees optimum treatment ««

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

The Optiloc matrix system can be used to compensate for divergences of up to 40° 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 very slender titanium matrix housings are the ideal solution where only minimum space is available.



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.



Minimum size

Slimmer than the market leader, more retentive than ball attachments. Optimum dimensions now also allow the matrix to be placed where only minimum space is available.



Freedom of movement

The Optiloc matrix allows small movements of the denture without disengaging the restoration. Unlike other matrix systems, however, the Optiloc always returns to the initial position.

Available for a large number of implant systems:

C-Series	compatible with	Altatec	Camlog®*
		MEDENTIKA®	Procone
D-Series	compatible with	Altatec	Conelog®*
E-Series	compatible with	Nobel Biocare	NobelReplace®* Tapered
EV-Series	compatible with	DENTSPLY Implants	ASTRA TECH OsseoSpeed®* EV
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	Tapered 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®* S
Y-Series	compatible with	DENTSPLY Implants	ANKYLOS®*

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

» MEDENTiKA® Optiloc Matrix system «

The clever, patented Optiloc system technology guarantees optimum fixation, even with restorations on only 2 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.



Minimum size

Slimmer than the market leader, more retentive than ball attachments. Optimum dimensions now also allow the matrix to be placed where only minimum space is available.



Freedom of movement

The Optiloc matrix allows small movements of the denture without decoupling the restoration. Unlike other matrix systems, however, the Optiloc always returns to the initial position.

Gingival heights

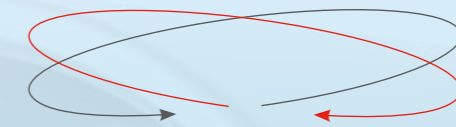
The Optiloc abutments are available in 5 different gingival heights.

Closed surface

The Optiloc abutment does not require a screw opening thanks to the cleverly designed placement instrument. This completely prevents accumulation of food particles in this area.

Placement instrument

All Optiloc abutments are inserted using the Optiloc (M 59) placement instrument.



» Small dimensions,
fantastic function «



» Optiloc provides **maximum hardness** with **optimum sliding characteristics** «



For all those who would like to stop searching for the optimum attachment with a small diameter.

The Optiloc matrix system has considerable advantages thanks in particular to the minimal overall size. Optimum dimensions now also allow the matrix to be placed where only minimum space is available.

Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and reduced wear properties of the Optiloc abutments in combination with the Optiloc matrices. With conventional titanium nitride (TiN) surfaces 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 the retention inserts

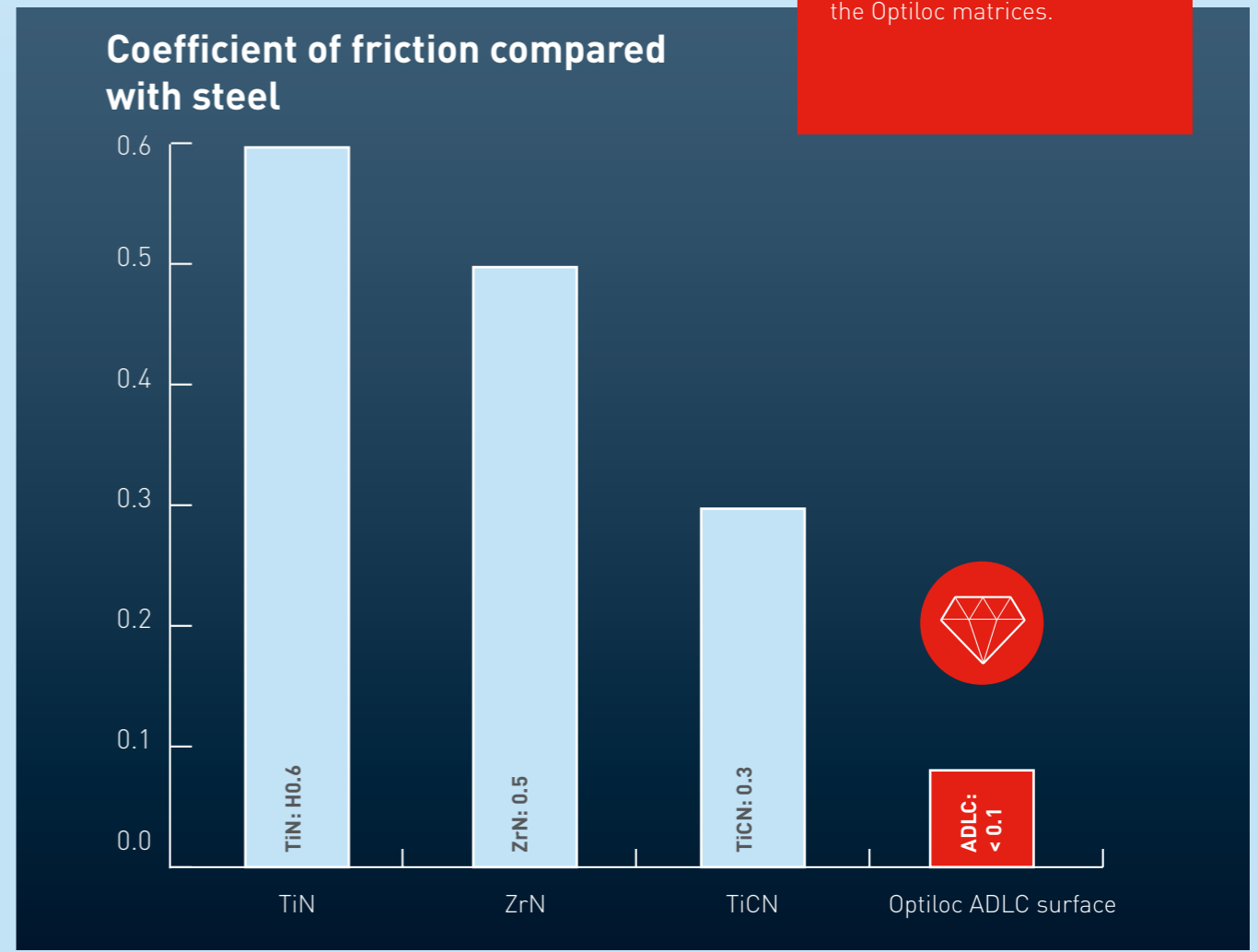
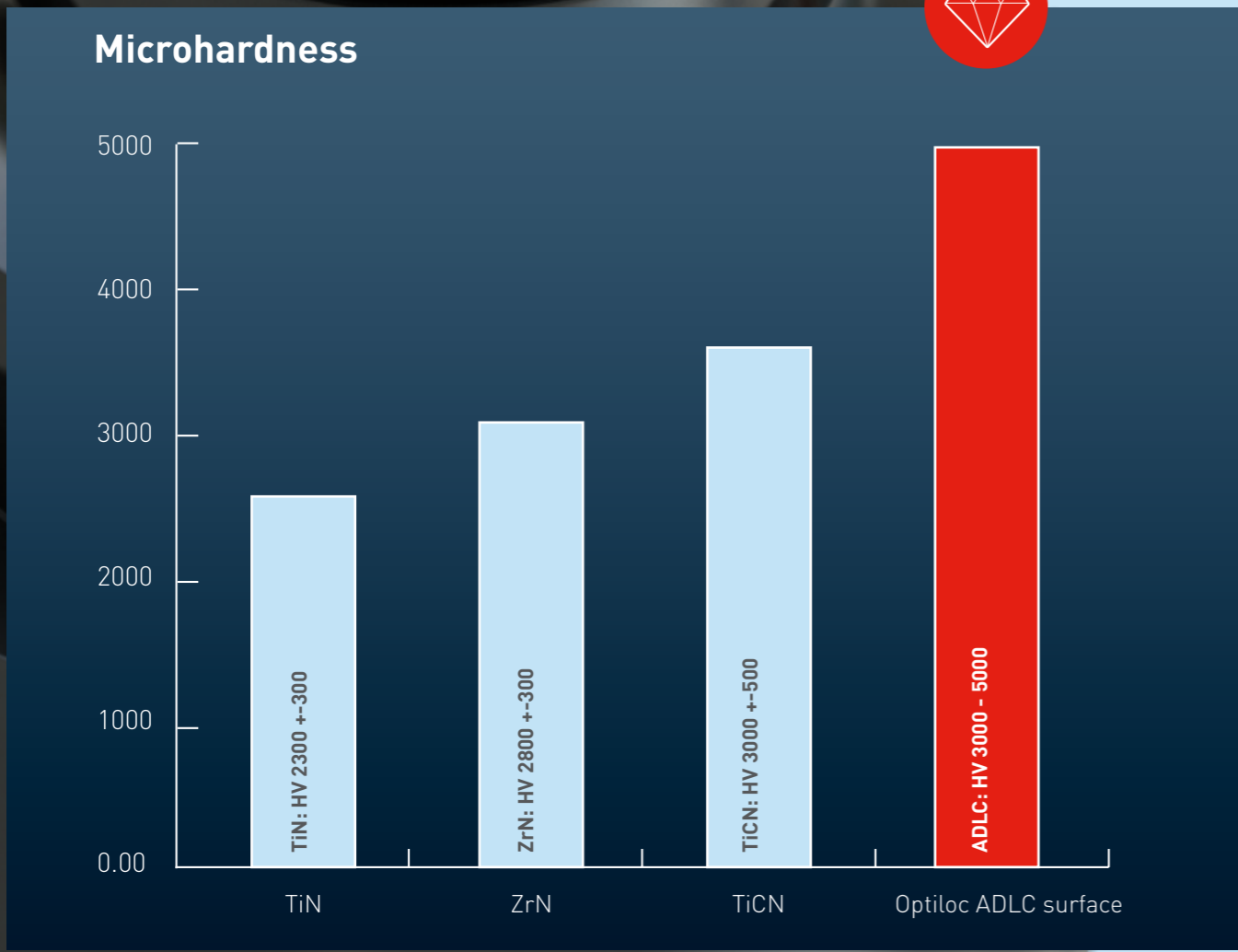
» ADLC Surface « (amorphous diamond-like carbon) «

» 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.

Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and no-wear properties of the Optiloc abutments in combination with the Optiloc matrices.



Optiloc – Latest Technology.

The Optiloc matrix system with its newly developed technology is a prefabricated connector for retaining removable restorations on Optiloc abutments. This offers considerable advantages in particular to the minimal size.



Matrix housing

The very slender titanium housings are the ideal solution where only minimum space is available.



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.



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 Optiloc matrix housing is available in different titanium versions. The additional versions have stronger retention. These are 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.



»» Dimensions for screw patrix ««

The screw patrices (M 2.0 thread) can be used to fix prostheses with Novaloc and Optiloc matrices on CAD/CAM-produced bars.



Placement instrument to be used: M 11-10, with Optiloc: M 59.

 **MEDENTiKA®**
A Straumann Group Brand

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As at: August 2018

We are certified:
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Medizinprodukterichtlinie93/42/EWG,
Annex II

CE0483

Technical changes and errors reserved.

You can find the Instructions for use and warranty conditions on the website www.medentika.de.
More information on the warranty can also be requested directly from the manufacturer.

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»» Passion for
precision ««