MPS

MULTI PLATFORM SYSTEMS

Optiloc®
Matrix system

MEDENTiKA®

A Straumann Group Brand

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

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

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

*is a registered trademark of an independent third party

Medentika®
Optiloc® 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.

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.

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.

Gingival heights
The Optiloc® abutments are available in 5 different gingival heights.

Placement instrument
All Optiloc® abutments are nserted using the Optiloc® (M 59) placement instrument.

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

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.

Small dimensions, fantastic function

Optiloc®

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

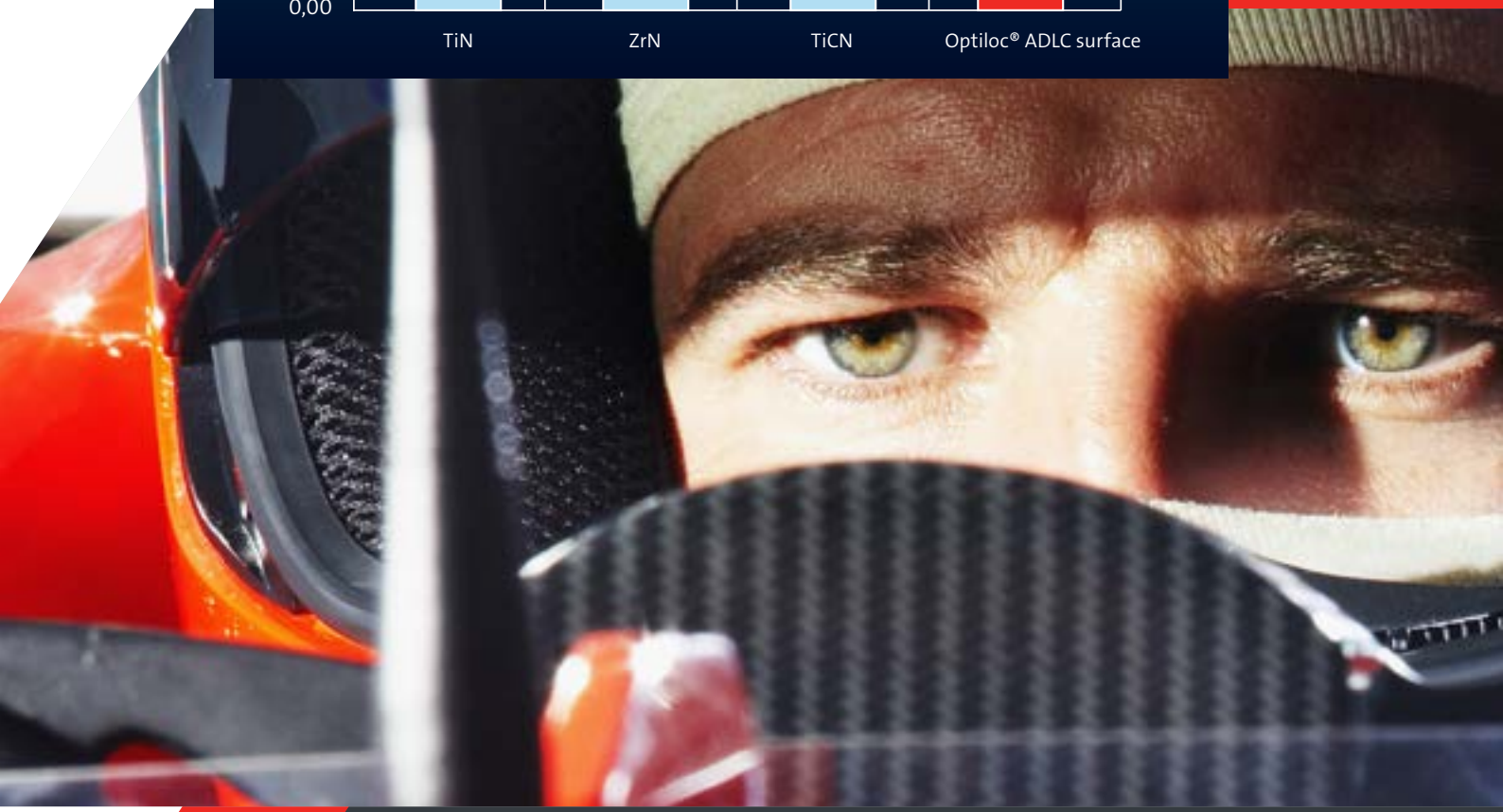
Abutment of the market leader

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.

Optiloc® provides maximum hardness with optimum sliding characteristics

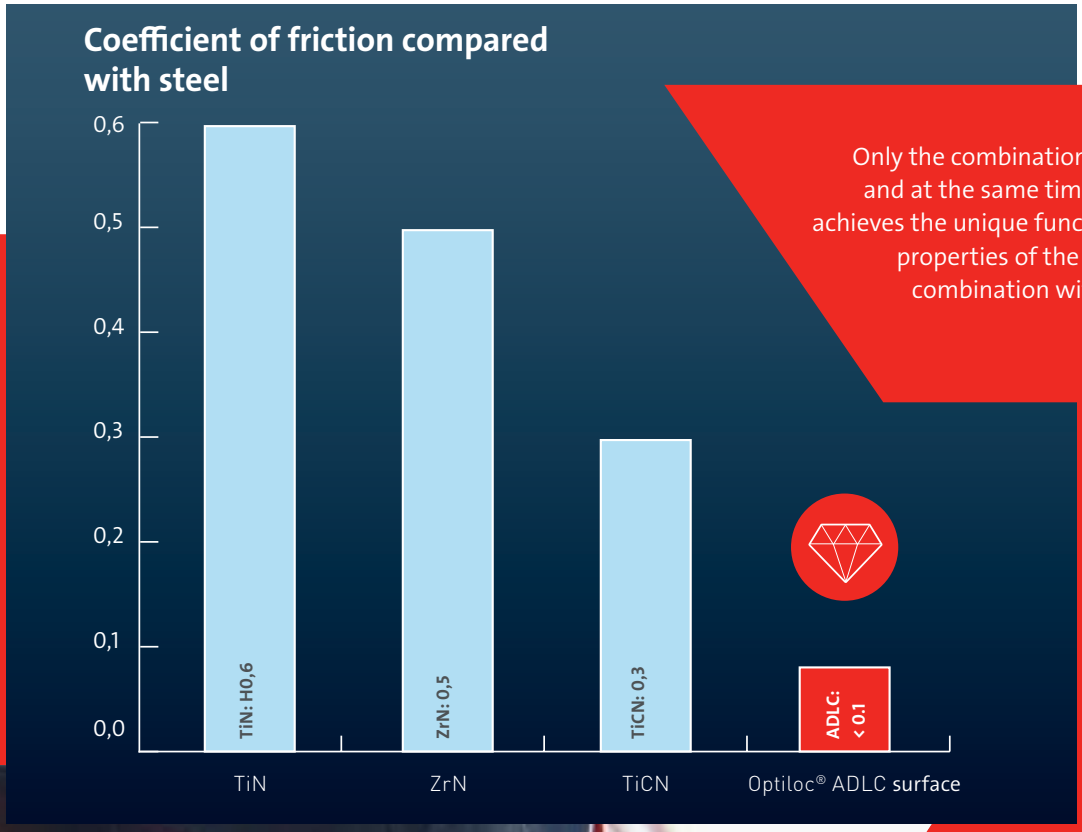
Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and reduced wear properties of the Optiloc® abutments in combination with the Optiloc® matrices. With conventional titanium nitride (TiN) surfaces the combination of rough surface and high hardness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



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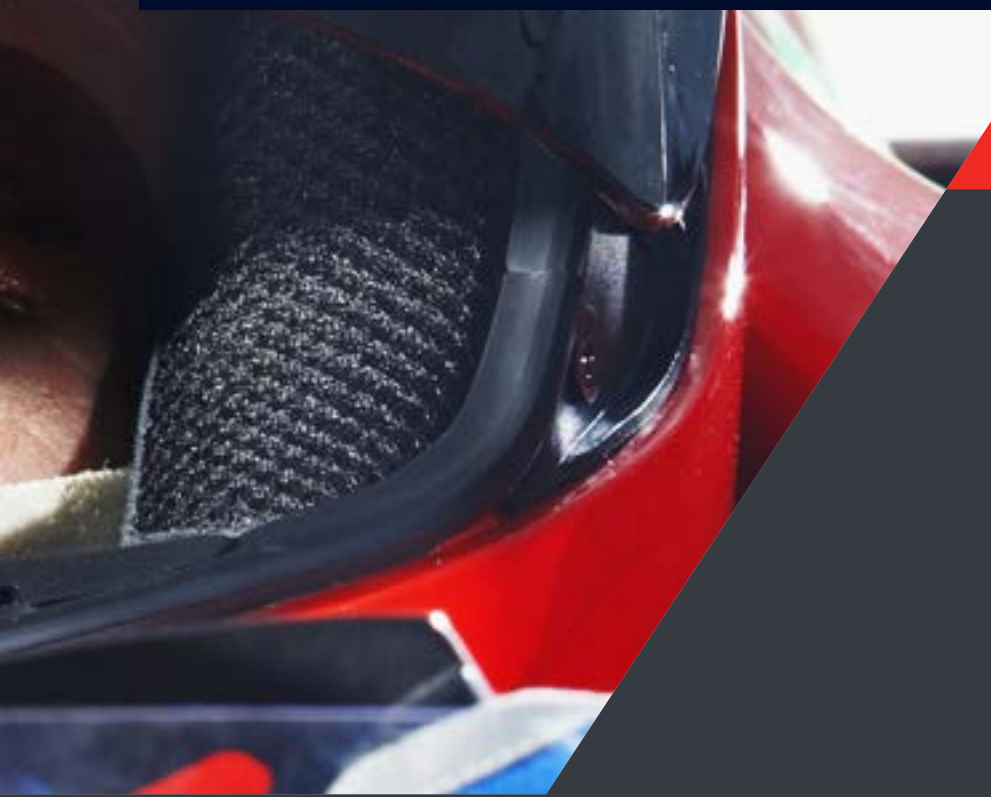


Optiloc® – Latest Technology.

The Optiloc® matrix system with its newly developed technology is a prefabricated connector for retaining removable restorations on Optiloc® abutments. The matrix housing is available in titanium + colour-neutral PEEK. This offers considerable advantages thanks 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.

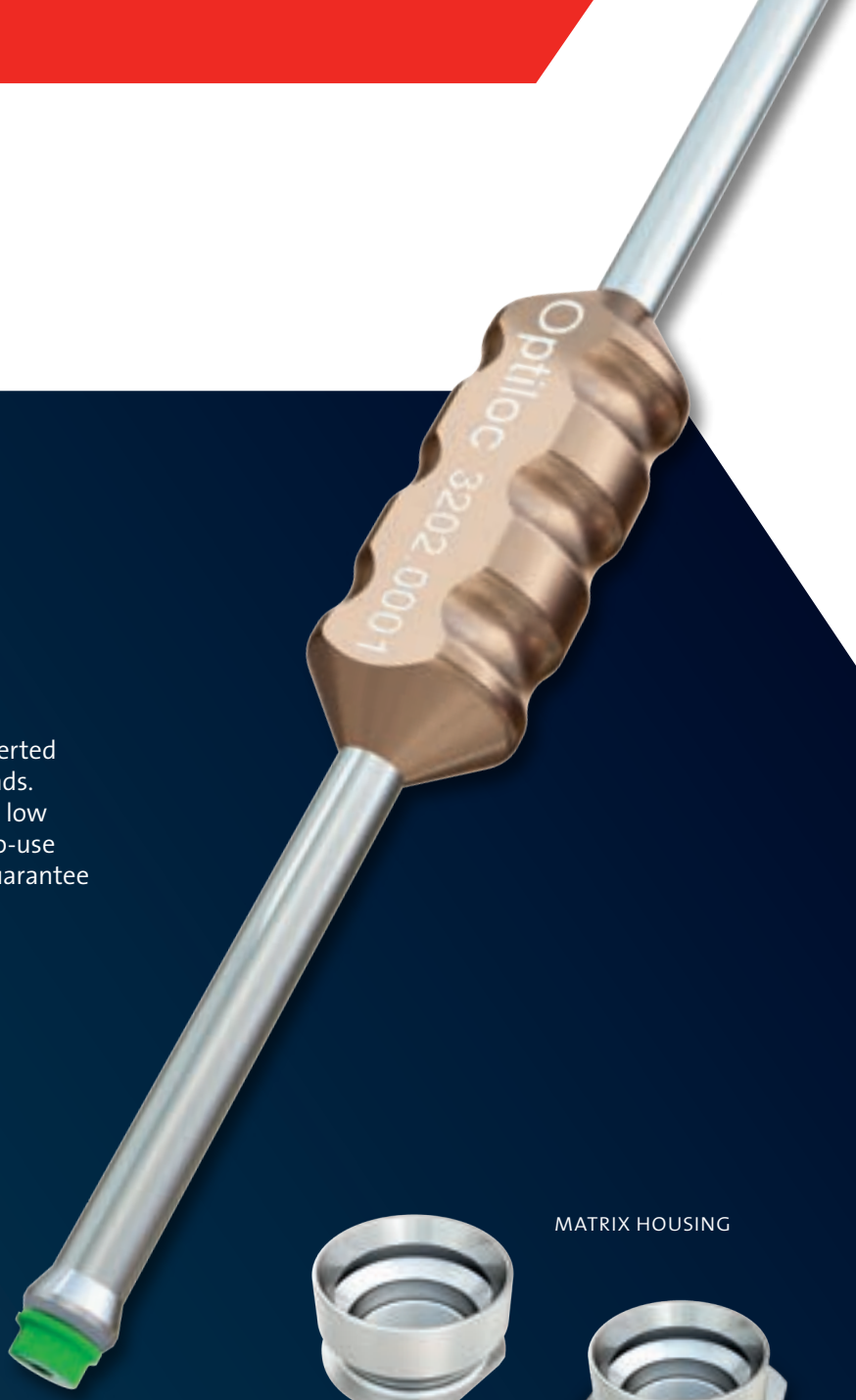
No compromises

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

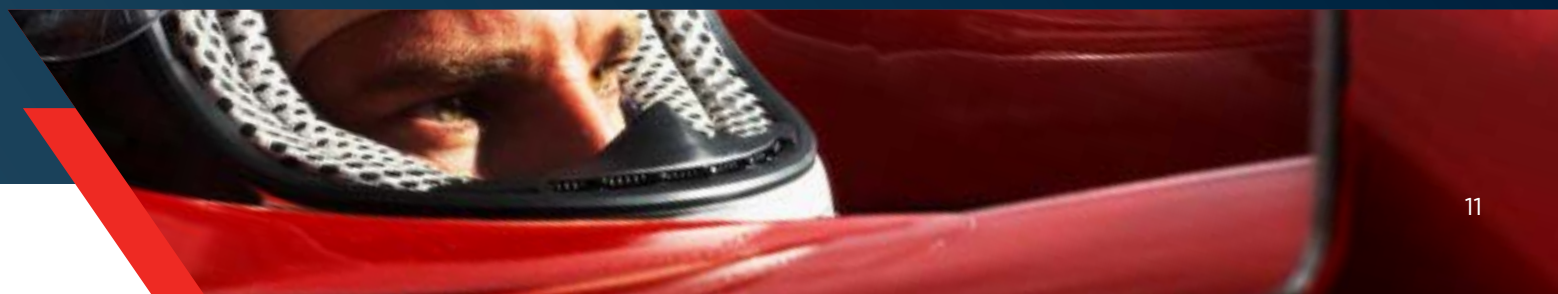
Outstanding handling

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.



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

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» Passion for **Precision** «

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