

»» Slimmer than the  
market leader, more retentive  
than ball attachments ««



**MPS**  
Multi Platform Systems

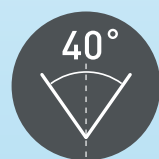
**OPTILOC®**  
**MATRIX**  
**SYSTEM**

# »» 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:

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

The Optiloc® 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® 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.

## Closed surface

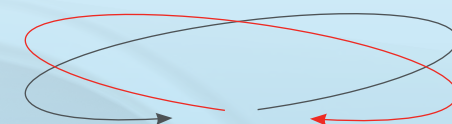
The Optiloc® abutment does not require a screw opening thanks to the cleverly designed placement instrument. This completely prevents accumulation of food particles in this area.

## Gingival heights

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

## Placement instrument

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





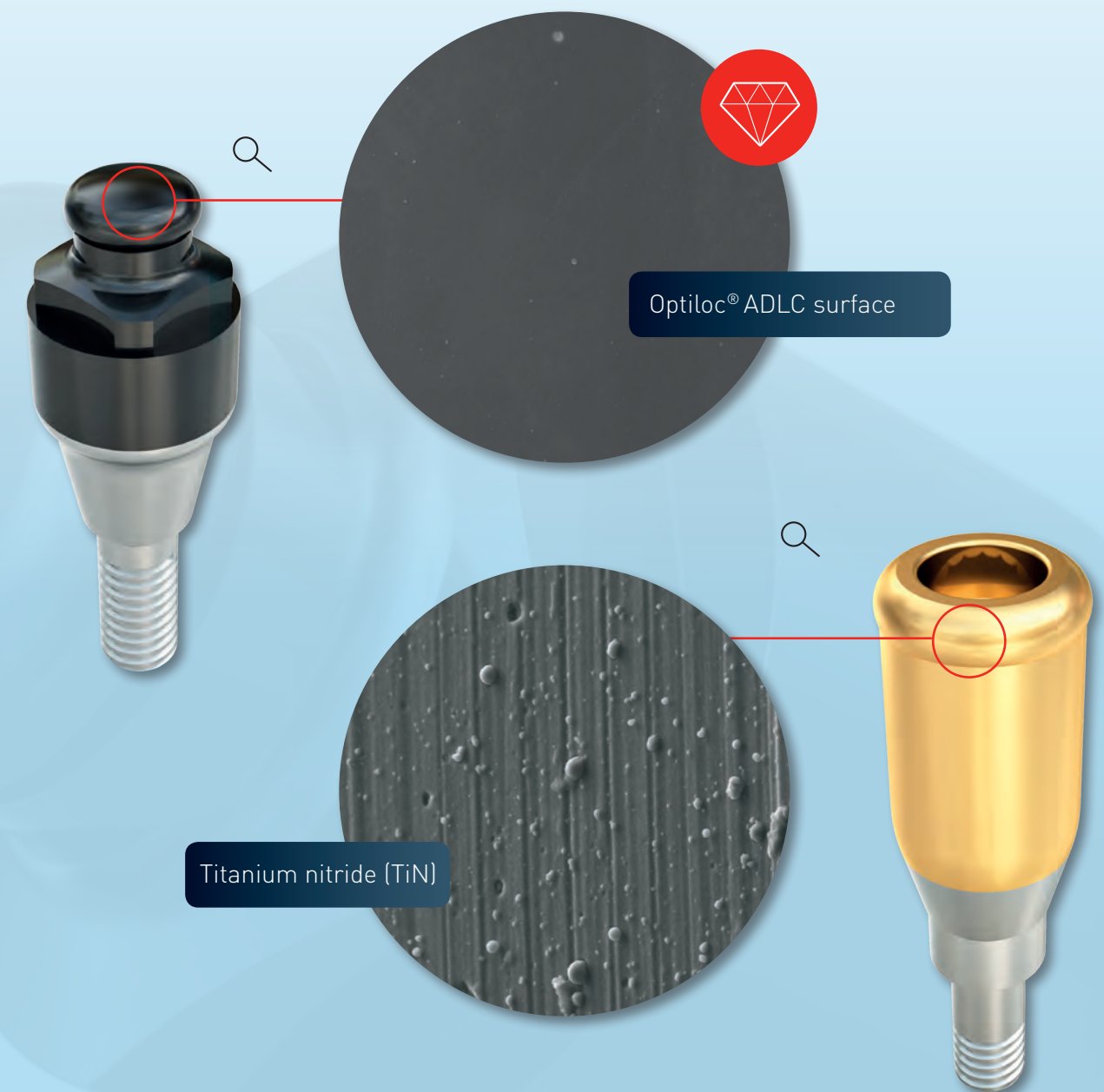
» Small dimensions,  
fantastic function «



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.

» 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 sur-

face 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) «

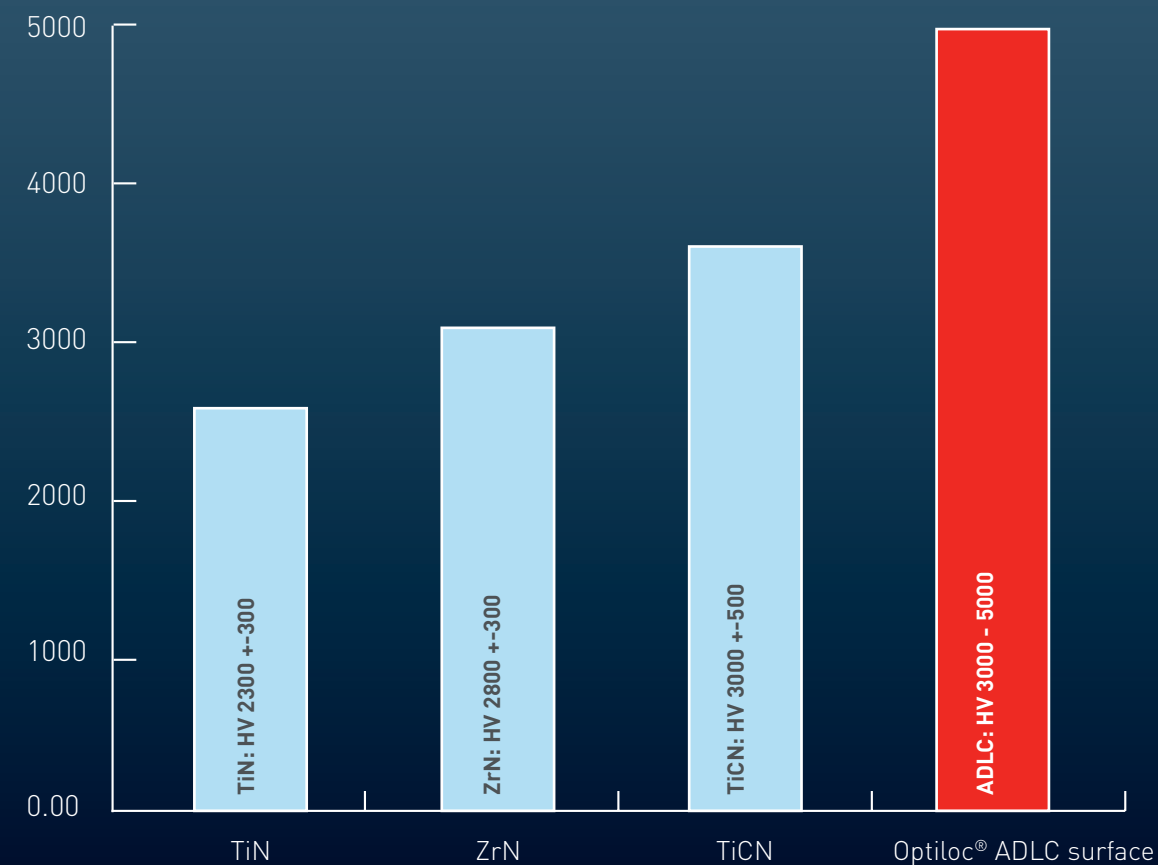
## » Permanent quality «

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

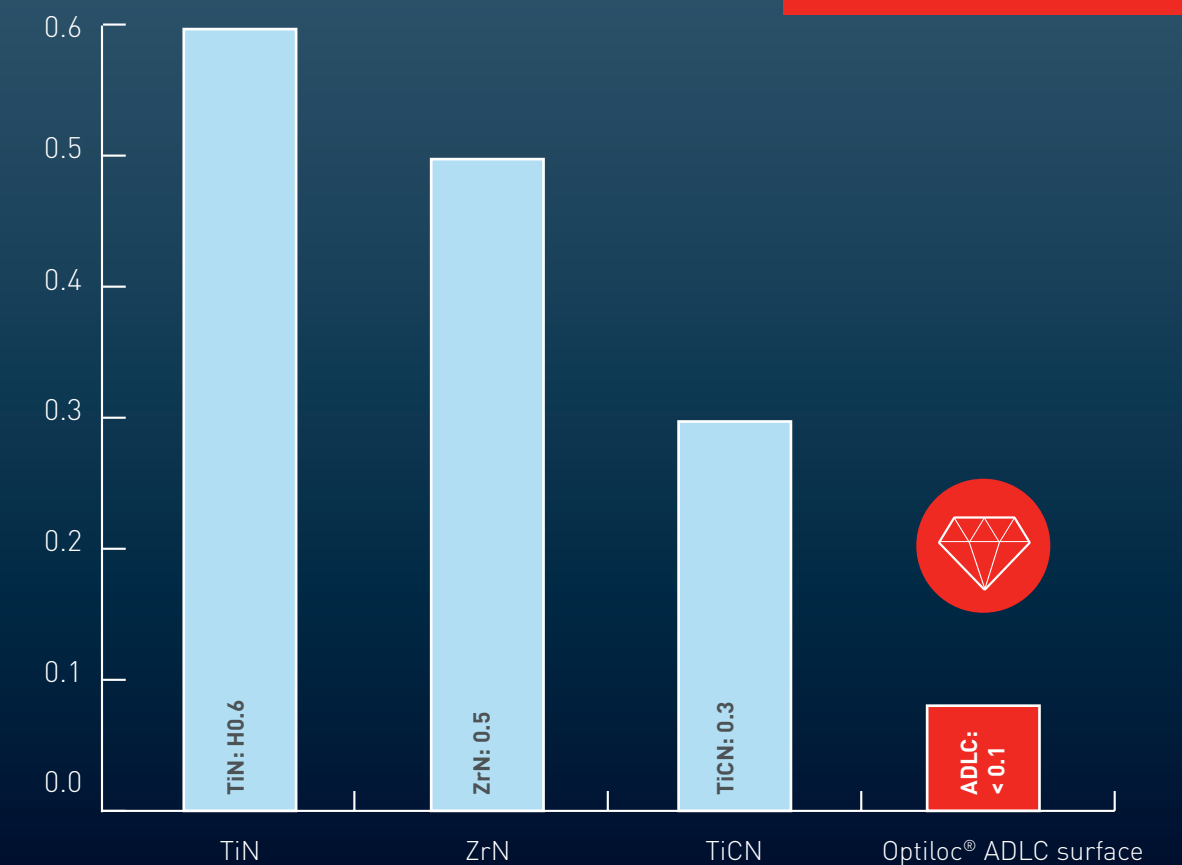
**The properties of the ADLC surface are outstanding.**



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 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. The matrix housing is available in titanium + colour-neutral PEEK. This offers considerable advantages thanks in particular to the minimal size.



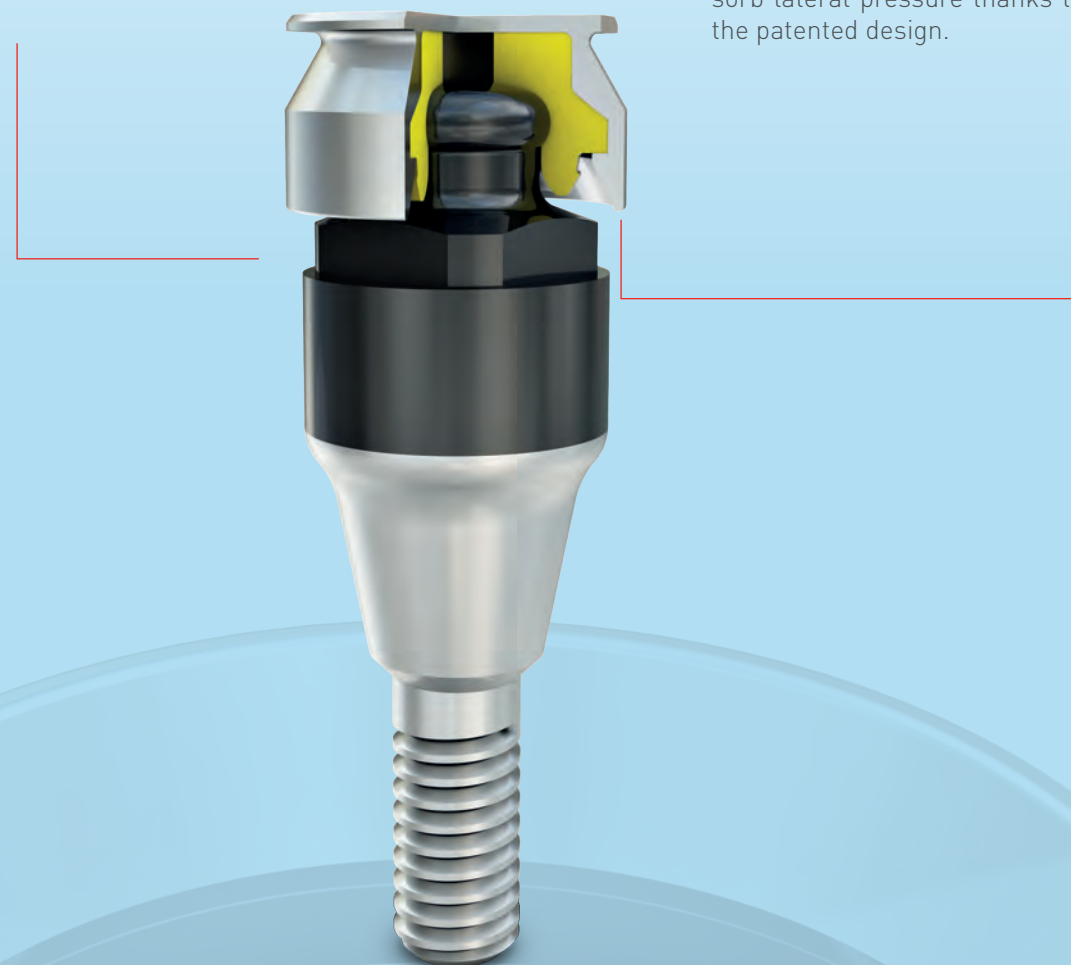
### Matrix housing

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.



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»» Passion for  
**precision** ««



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