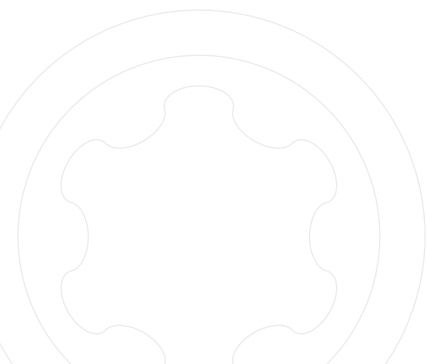




Product catalog  
CERALOG<sup>®</sup> Implant System

Valid from January 2021





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# The CERALOG® Implant System

## Reversibility

Reversibly screw-retained prosthetic solutions are possible with the CERALOG® Hexalobe implant - cemented or with hybrid crowns

## Innovative PEKK abutments

The innovative abutments made of the high-performance polymer PEKK are ductile. This results in damping the transmission of forces on the implant and reduces the stress concentration.

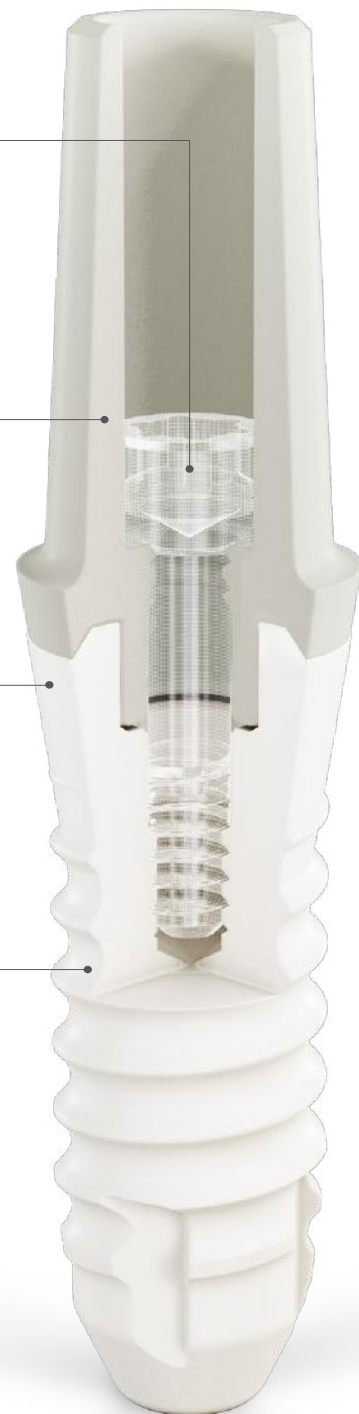
## Dual surface

CERALOG® Implants feature a dual surface. The dual surface texture of CERALOG® is unique. For better adhesion of the soft tissue, the texture is less rough in the neck area than in the enossal area, which is optimized for osseointegration. This is made possible by the high-tech Ceramic Injection Molding (CIM) manufacturing process.

The demand for highly esthetic dental prostheses is increasing continuously. Here, the focus is on ceramic implant solutions with the highest level of biocompatibility. Zirconium dioxide is generally acknowledged to be highly compatible with soft tissues.

In 2006, the Swiss company AXIS biodental SA started the basic research that laid the groundwork for the development of high-performance zirconium dioxide implants in conjunction with Ceramic Injection Molding (CIM). In 2007 the first clinical studies commenced with some of the studies using the current material composition and surface texture. Marketing commenced with the one-piece Monobloc implant. The two-piece Hexalobe implant has been used successfully in the present configuration since early 2012.

Axis biodental SA has been part of CAMLOG Biotechnologies GmbH since 2016 and was fully integrated into the Camlog organization in 2019.



**Monobloc implant**  
one-piece for the direct  
cementation of restorations

**Hexalobe implant**  
two-piece, for screw-  
retainable CERALOG® and  
DEDICAM® Abutments

**Esthetic**

Implants made of zirconium dioxide  
are similar to natural teeth in their  
ivory color and thus allow for highly  
esthetic restorations.



**Customizable zirconia abutments and  
healing caps made by DEDICAM®**  
for exceptional esthetic results

**Hexalobe connection**

The ideal implant-abutment connection for  
ceramic implants. The insertion forces are  
introduced tangentially into the implant,  
allowing a considerably higher torque than  
can, for example, be transferred with a  
hexagonal connection.

## CERLOG® Hexalobe and CERLOG® Monobloc

From the implant to the crown: perfect red-white esthetics, like a natural tooth. Choices for therapy planning include the transgingival healing CERLOG® Monobloc implant as well as the both trans and subgingival healing two-piece CERLOG® Hexalobe implant. The sophisticated design, the screw-retainable Hexalobe abutments and the optimal combination of the necessary surgical instruments simplify the surgical and prosthetic application of the CERLOG® Implants. The inherent ivory-like color of zirconium dioxide allows for highly esthetic restorations.

The implants are available in three lengths (8, 10 and 12 mm) and one diameter (4 mm).

### Implant diameter



4.0 mm

### Implant lengths

8 mm

10 mm

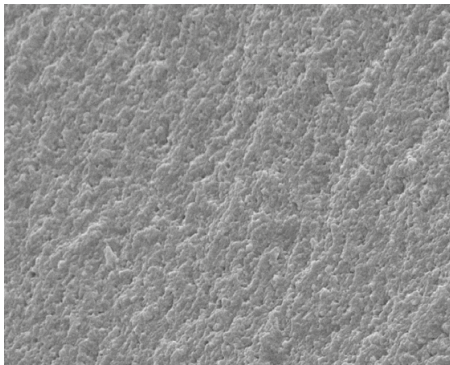
12 mm



Monobloc



Hexalobe



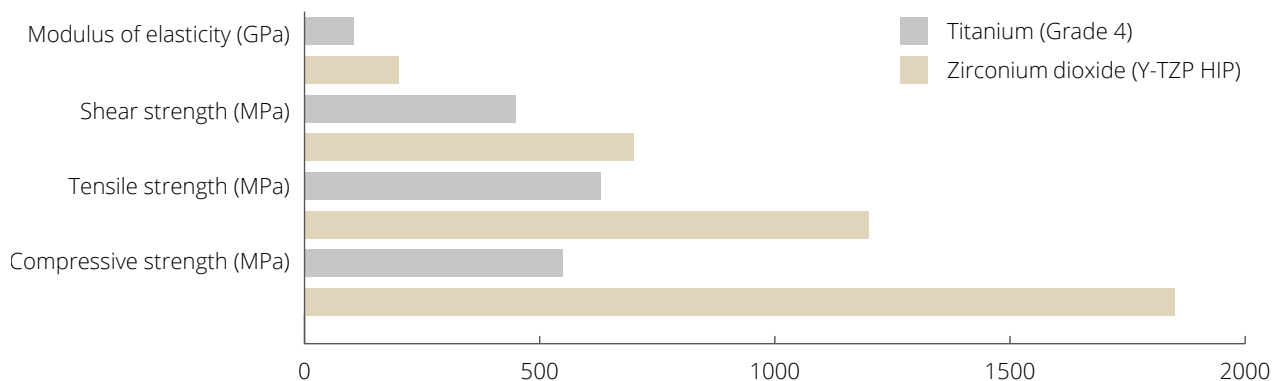
Internal structure of the zirconium dioxide implant  
(images: MEB, magnification 6000x)

### The Y-TZP zirconium dioxide material

CERLOG® Implants consist of ultra-pure Yttrium stabilized tetragonal zirconium dioxide. They are manufactured by Ceramic Injection Molding (CIM). Here both the outer geometry as well as the surface texture are already created in a mold before the sintering and HIP process (HIP = Hot Isostatic Pressing). No abrasive treatment of the zirconium dioxide is necessary during this process. Only few companies worldwide are capable of managing this high-tech manufacturing process.

100% quality control: every single implant is tested optically, dimensionally and with appropriate mechanical loading in a controlled process.

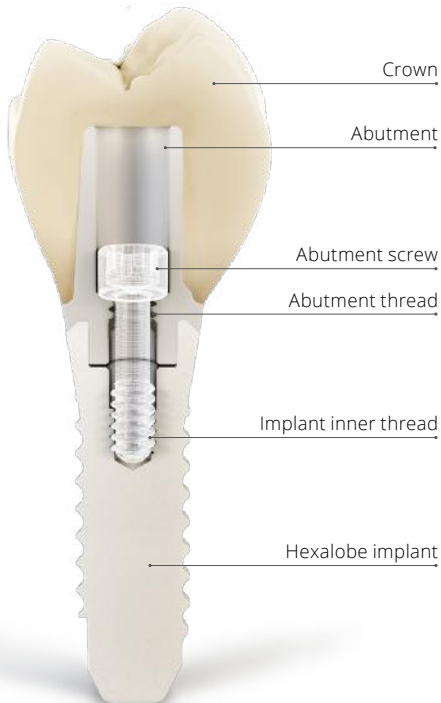
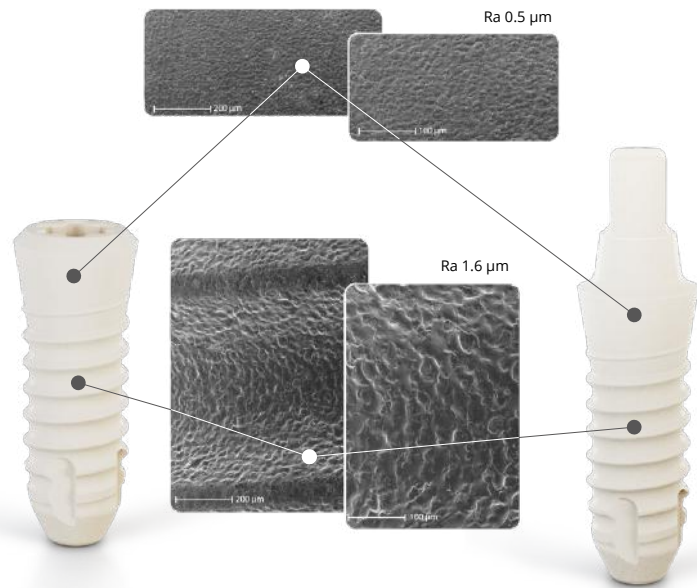
### Mechanical properties of zirconium dioxide from the cim process compared to titanium



## The dual surface texture

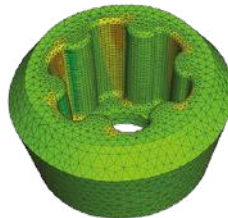
The dual surface texture of CERALOG® combines two defined roughnesses on a single implant - without postprocessing.

The enossal area of the implant body is provided with a micro-roughness with an Ra value of 1.6 µm to enable targeted deposition of bone cells. The neck area of the implant has a lower degree of roughness with an Ra value of 0.5 µm, which additionally optimizes the deposition of soft tissue.



## The hexalobe implant abutment connection

Esthetics, quality of life and patient satisfaction are largely based on the prosthetic elements. The optimal implant-abutment connection is of significant relevance for the long-term stable success of the restoration. The CERALOG® Hexalobe connection has been designed and optimized specifically for ceramic materials. Forces are transferred tangentially and enable optimal distribution of forces and rotational stability.



## Advantages and benefits – Implant abutment connection

- High level of user safety thanks to the connection design
- High positioning precision due to minimal rotational freedom
- Simple and safe abutment positioning
- Material-compatible force transfer when inserting the CERALOG® Hexalobe implant
- Customizable abutments and healing caps made by DEDICAM®





**Type A**

Cam alignment in direction of the angle

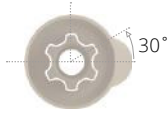


**Type B**

Cam alignment with 30° offset



**Type A**



**Type B**

## CERALOG® Abutments

The CERALOG® Implant System comprises straight and 15° angled abutments (types A and B) made of the high performance poly ether ketone ketone (PEKK). The definitive fixation of the abutments in the implant is performed either with a titanium or gold abutment screw. The material is easy to process with conventional abrasives.



## PEKK high performance polymer

Poly ether ketone ketone (PEKK) belongs to the poly aryl ether ketone (PAEK) family. These high performance thermoplastics are designed for extreme stress and are therefore employed in automotive engineering, the aerospace industry as well as medical engineering. Due to their chemical structure they offer excellent tensile strength, elasticity and resistance to hydrolysis. In addition to its long-standing use in orthopedics, PEKK also covers a broad spectrum of indications in dentistry. For example, in restorations where stress shielding is to be reduced to a minimum. The ductility of PEKK reduces the stress factor on the implant.

## Biocompatibility and sterilization of PEKK

The biocompatibility of PEKK implant material was established by Oxford Performance Materials Inc. for long-term implantation in accordance with the ISO 10993-1 standard. Components made of PEKK can be sterilized in conventional steam sterilizers.





## PEKK versus PEEK

The familiar high performance polymer poly ether ether ketone (PEEK) has been employed in dentistry for many years for temporary restorations, for scanning and as impression posts. This also belongs to the PAEK group of polymers (poly aryl ether ketone).

The major advantage of PEKK over PEEK is the higher creep resistance and its contour retention under stress loading.

	PEKK	PEEK
Modulus of elasticity (GPa)	4.5	4.1
Tensile strength (MPa)	138	100
Transversal strength (MPa)	193	165
Compressive strength (MPa)	207	135
Elongation at break (%)	> 30	40
Melting temperature (°C)	360	340
Water absorption after 24h (%)	< 0.2	0.5
Density (g/cm <sup>3</sup> )	1.3	1.3

## CERALOG® components for soft tissue management

The CERALOG® Hexalobe implant set includes a cover cap which is inserted in the Hexalobe connection for the duration of the healing period. As an option, the implant can be covered with a cover screw. Healing caps in two heights and two diameters as well as a temporary abutment are available for soft tissue shaping. These components are made of PEEK and may only be used for a limited time.



## CERALOG® Implant impression taking

Impressions of CERALOG® Hexalobe implants can be taken with both with the closed and open impression methods using an impression post. Impressions of the CERALOG® Monobloc implants are taken via the pick-up method with an impression cap. The impression components are made of PEEK.

The Hexalobe lab analog is made of zirconia. The Monobloc lab analog is made of steel.



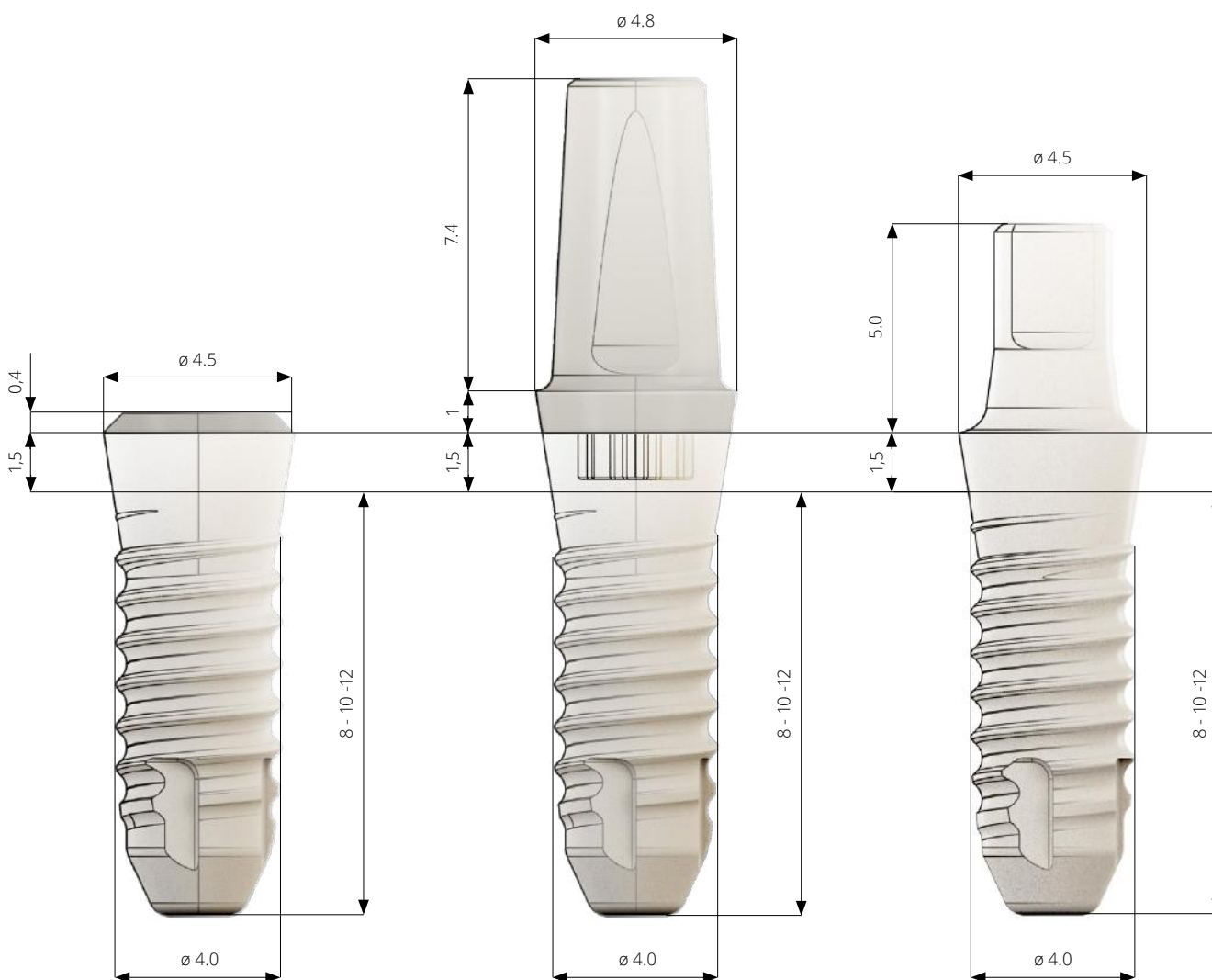
## CERALOG® Surgery

The CERALOG® Hexalobe and CERALOG® Monobloc implants have a 1.5 mm high implant neck which is positioned supracrestally. The implant neck of the Hexalobe implant can also be placed epicrestally by using a bone profile drill and corresponding deepening of the implant bed.

The CERALOG® Surgical kit contains all components necessary for the insertion of the implants.

### Note

Dimensions in millimeters (mm).



CERALOG® Hexalobe Implant

CERALOG® Hexalobe Implant  
with mounted PEKK abutment

CERALOG® Monobloc Implant

## Explanation of symbols

	CE-label
	Consult instructions for use
	Caution, observe the warning notices
	Medical Device
	Article number
	Lot number
	Sterilized using irradiation
	Single sterile barrier system with protective packaging outside
	Non-sterile
	Date of manufacture
	Use-by date
	Do not resterilize
	Do not reuse
	Do not use if package is damaged
	Keep away from sunlight
	Temperature limit
	Sterilizable up to 134 °C
	Maximum speed Maximum torque
	Manufacture
	MR-Conditional
	Caution: US Federal law restricts this device to sale by or on the order of a dentist or physician.

## Explanation of abbreviations

$\varnothing$	Diameter
E $\varnothing$	Endosseous diameter
G $\varnothing$	Gingival diameter
PP $\varnothing$	Prosthetic platform diameter
L	Length
GH	Gingival height
PEEK	Poly ether ether ketone
PEKK	Poly ether keton keton
POM	Polyoxymethylene
PPSU	Polyphenylsulfone

## General safety instructions and warnings

The descriptions in this product catalog are not sufficient to allow immediate use of the CERALOG® Implant System. Instruction by a surgeon experienced in using the CERALOG® Implant System is strongly recommended.

Not all Camlog products and services are available in all countries.

Packaging units: unless described otherwise, each pack contains one product.

The images in this document are for reference purposes only and may differ from the actual product.

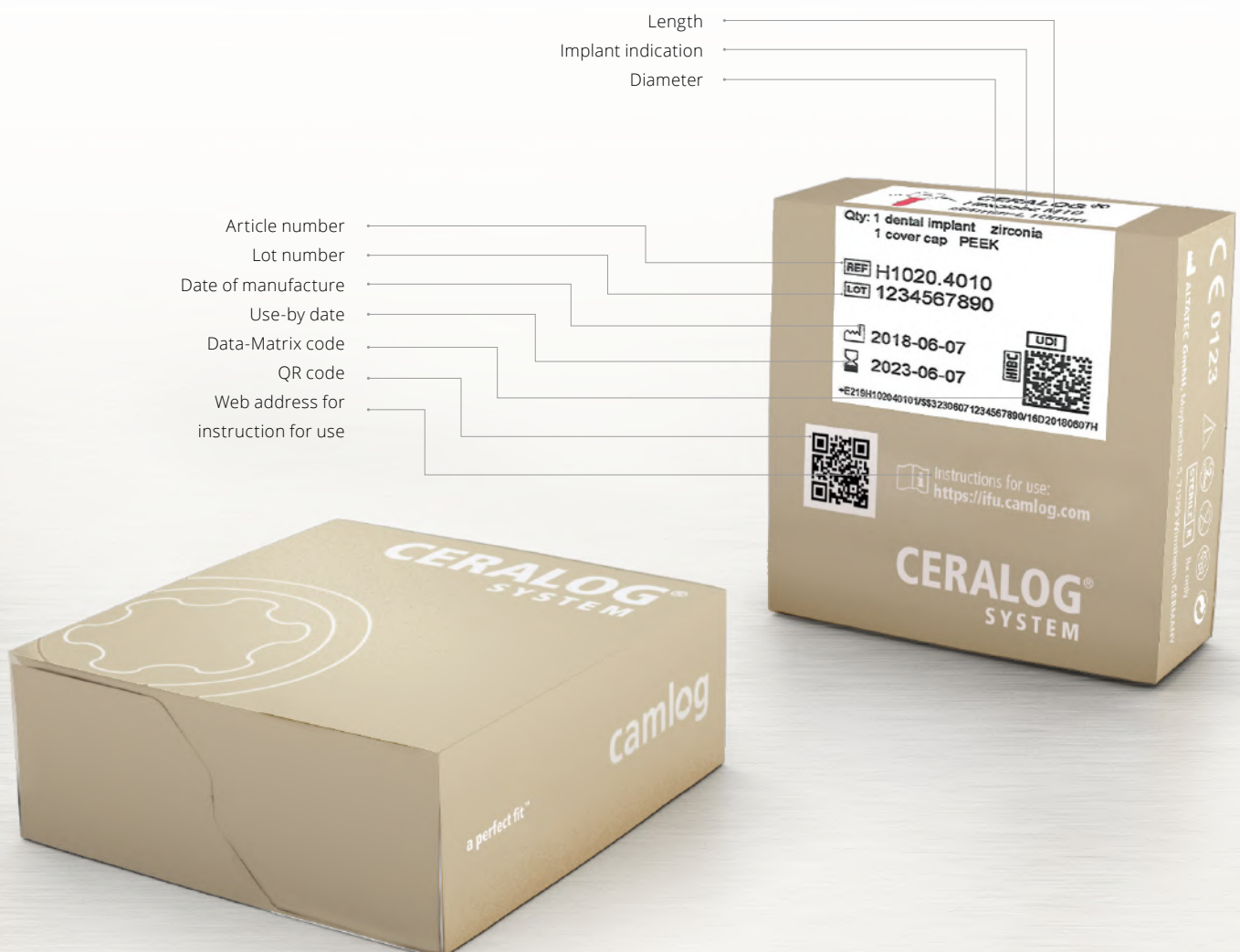
## Outer implant packaging (secondary packaging)

Sealed, folding box with product label

## Inner implant packaging (primary packaging)

Sealed

### Example of product label for outer implant packaging



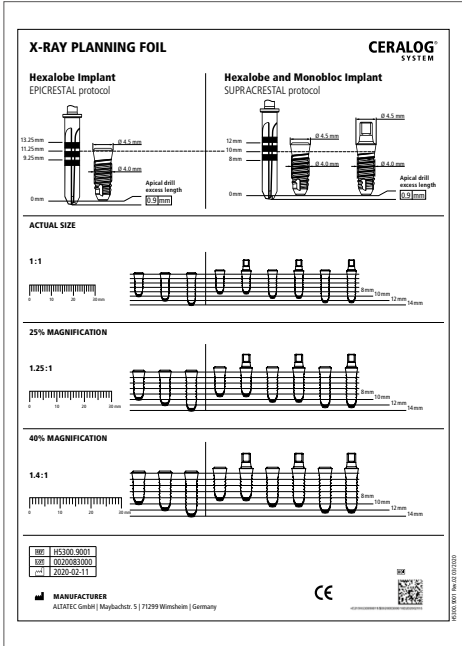






# Planing

## X-Ray Planning foils

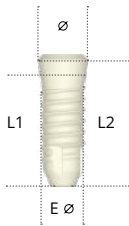
	Article	Art. No.	Ø
 <p><b>X-RAY PLANNING FOIL</b></p> <p><b>Hexalobe Implant</b> EPICRESTAL protocol</p> <p><b>Hexalobe and Monobloc Implant</b> SUPRACRESTAL protocol</p> <p><b>ACTUAL SIZE</b></p> <p><b>1:1</b></p> <p><b>25% MAGNIFICATION</b></p> <p><b>1.25:1</b></p> <p><b>40% MAGNIFICATION</b></p> <p><b>1.4:1</b></p> <p>REF: H5300.9001 EXP: 02/2008-03/2010 CE: 2005-02-11</p> <p>MANUFACTURER ALCANTEC GmbH   Maybachstr. 5   71299 Winnenden   Germany</p> <p>CE</p> <p>REF: H5300.9001</p>	<p><b>CERALOG® X-Ray Planning foil</b> for CERALOG® Hexalobe and Monobloc implants</p>	H5300.9001	-

# CT-Planning

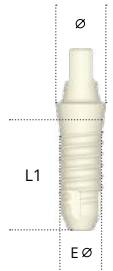
## for 3D X-RAY planning and drilling template

	Article	Art. No.	L
	<p><b>CT-tube</b> for drill Ø 2.0 mm, corrugated tubing, (10 units) internal diameter 2.1 mm external diameter 2.5 mm</p> <p><b>Material</b> Titanium alloy</p>	A2002.2000	4.0 mm 10.0 mm
	<p><b>Drill for CT-tube</b> (for A2002.2000) Ø 2.6 mm</p> <p><b>Material</b> Stainless steel</p>	A2050.2600	-

## CERALOG® Hexalobe Implants

	Article	Type	Art. No.	Ø	L1	L2	E Ø
	<b>CERALOG® Hexalobe implant</b> incl. cover cap, sterile  <b>Material</b> Zirconia/PEEK	M8	H1020.4008	4.5 mm	8 mm	9.25 mm	4.0 mm
		M10	H1020.4010		10 mm	11.25 mm	
		M12	H1020.4012		12 mm	13.25 mm	

## CERALOG® Monobloc Implants

	Article	Type	Art. No.	Ø	L1	E Ø
	<b>CERALOG® Monobloc implant</b> sterile  <b>Material</b> Zirconia	M8	A1074* H1010.4008**	4.5 mm	8 mm	4.0 mm
		M10	H1010.4010		10 mm	
		M12	A1076* H1010.4012**		12 mm	

L1: Supracrestal insertion depth

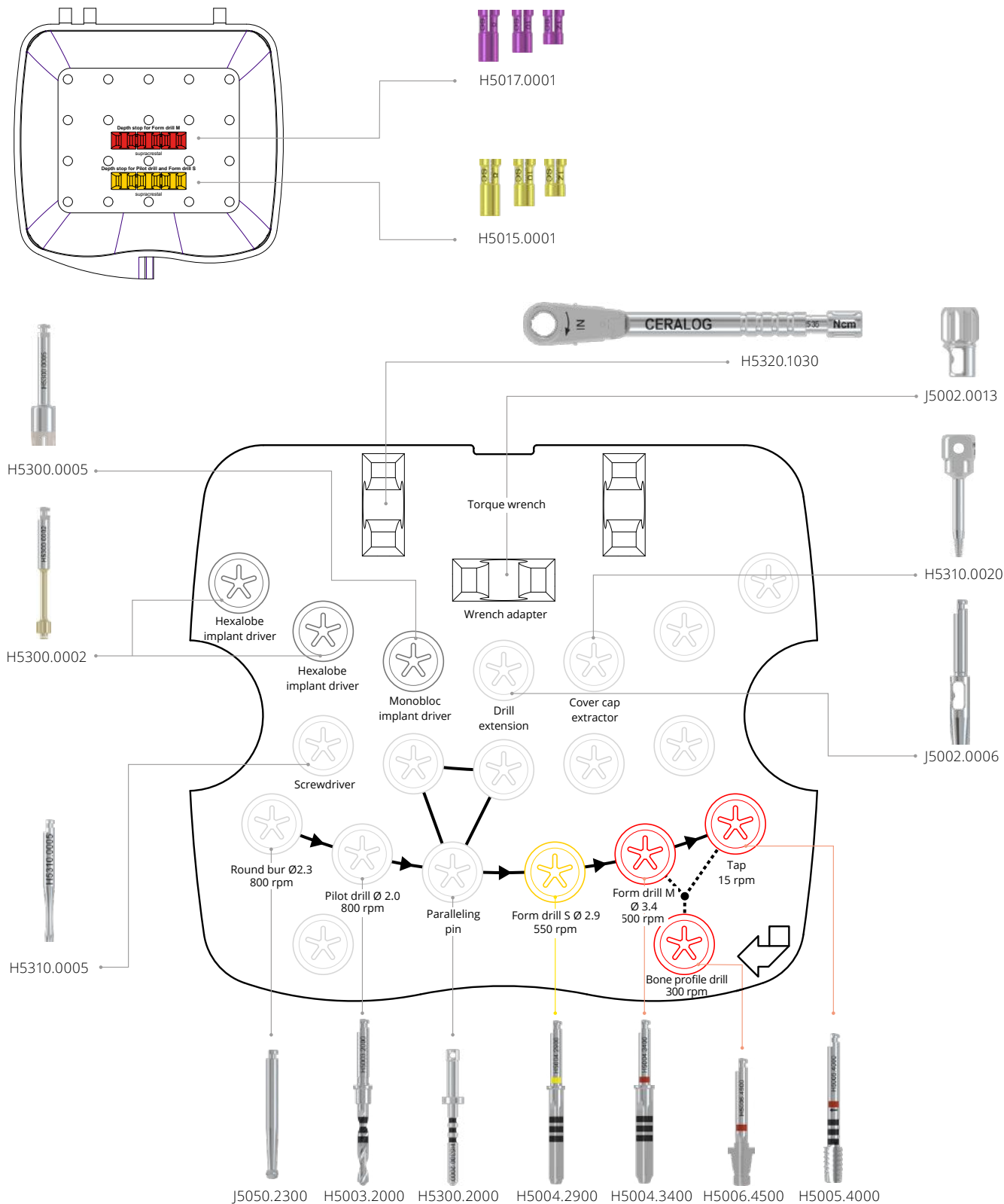
L2: Epicrestal insertion depth

\* Manufacturer: AXIS biodental SA, Les Rosées 5, 2336 Les Bois, Switzerland





\*\* New article number available from end of Q3/2021

## Surgical kit for CERALOG® Implants






The sterilizable surgical kit includes all the instruments necessary for standard implant bed preparation.





	Article	Art. No.
	<b>CERALOG® Surgical kit</b> contains all necessary surgical instruments, incl. torque wrench	H5300.0150
	<b>CERALOG® Surgical tray</b> without content	H5300.8950

	Article	Art. No.	Ø	L
	<b>Round bur</b> resterilizable  <b>Material</b> Stainless steel	J5050.2300	2.3 mm	26.5 mm
	<b>Point drill</b> resterilizable  <b>Material</b> Stainless steel	B1012*	1.5 mm	30 mm
	<b>Pilot drill</b> without coil, resterilizable  <b>Material</b> Stainless steel	J5051.2003	2.0 mm	38.5 mm
	<b>Pilot drill</b> resterilizable  <b>Material</b> Stainless steel	H5003.2000	2.0 mm	34 mm

\* Manufacturer: AXIS biodental SA, Les Rosées 5, 2336 Les Bois, Switzerland





	Article	Art. No.	Ø	L
	<b>Form drill S, M</b> resterilizable  <b>Material</b> Stainless steel	H5004.2900	2.9 mm	34 mm
		H5004.3400	3.4 mm	
	<b>Bone profile drill</b> resterilizable  <b>Material</b> Stainless steel	H5006.4500	4.4 mm	26.5 mm
	<b>Tap M</b> resterilizable  <b>Material</b> Stainless steel	H5005.4000	4.0 mm	31 mm
	<b>Depth stop set for pilot drill and form drill S</b> resterilizable  <b>Material</b> Titanium alloy	H5015.0001	-	8/10/12 mm
	<b>Depth stop set for form drill M</b> resterilizable  <b>Material</b> Titanium alloy	H5017.0001	-	8/10/12 mm

## General surgical instruments





	Article	Art. No.	Ø	Dimensions
	<b>Drill extension</b> ISO shaft resterilizable  <b>Material</b> Stainless steel	J5002.0006	4.0 mm	26.5 mm
	<b>Tissue punch</b> resterilizable  <b>Material</b> Stainless steel	B1010*	4.0 mm (int) 5.0 mm (ext)	23 mm
 4.5 mm	<b>Paralleling pin</b> resterilizable  <b>Material</b> Titanium alloy	H5300.2000	2.0 mm	28 mm

\* Manufacturer: AXIS biodental SA, Les Rosées 5, 2336 Les Bois, Switzerland


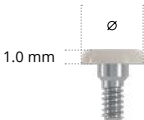


	Article	Art. No.	Ø	Dimensions
	<b>Hexalobe implant driver</b> resterilizable  <b>Material</b> Stainless steel/Silicone	H5300.0002	-	27 mm
	<b>Monobloc implant driver</b> resterilizable  <b>Material</b> Stainless steel/PEEK	H5300.0005	-	25 mm
	<b>Cover cap extractor, short</b> resterilizable  <b>Material</b> Stainless steel	H5310.0010	-	17 mm
	<b>Cover cap extractor, long</b> resterilizable  <b>Material</b> Stainless steel	H5310.0020	-	25 mm


## General surgical instruments

	Article	Art. No.	Ø	Dimensions
	<b>Torque wrench</b> resterilizable  <b>Material</b> Stainless steel	H5320.1030	-	86 mm
	<b>Adapter for torque wrench</b> resterilizable  <b>Material</b> Stainless steel	J5002.0013	-	11 mm
	<b>Screwdriver</b> <b>ISO-shaft, long</b> resterilizable  <b>Material</b> Stainless steel	H5310.0005	-	25 mm
	<b>Screwdriver</b> <b>ISO-shaft, short</b> resterilizable  <b>Material</b> Stainless steel	H5310.0006	-	17.5 mm

## Auxiliary surgical articles

	Article	Art. No.	Ø	Dimensions
	<b>Cover cap</b> sterile  <b>Material</b> PEEK	H2020.4505	4.5 mm	0.9 mm
	<b>Cover screw</b> sterile  <b>Material</b> PEEK/Titanium alloy	H2019.4508	4.5 mm	1.0 mm

## Healing caps

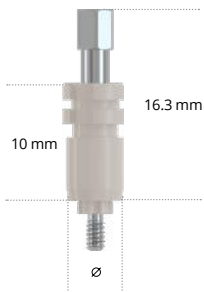
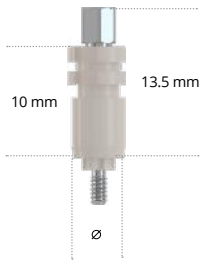
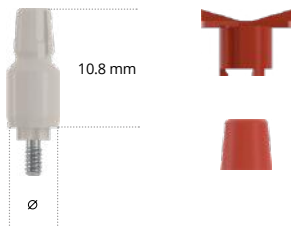
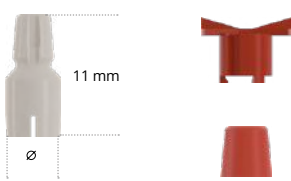
	Article	Art. No.	Ø	GH
	<b>Healing cap</b> incl. titanium abutment screw sterile  <b>Material</b> PEEK/Titanium alloy	H2020.4525	4.5 mm	3.0 mm
		H2020.4540	5.0 mm	4.4 mm






A gold abutment screw (H4011.1600) can be ordered as an alternative to the titanium abutment screw.





# Impression taking

	Article	Art. No.	Ø
 <p>Technical drawing of a long hexalobe impression post. It features a hexagonal top section with a height of 16.3 mm and a lower section with a height of 10 mm. The base is a threaded screw with a diameter of Ø.</p>	<p><b>Hexalobe Impression post open tray, long</b> incl. fixing screw, sterile</p> <p><b>Material</b> PEEK/Titanium alloy</p>	H2121.4550	4.8 mm
 <p>Technical drawing of a short hexalobe impression post. It features a hexagonal top section with a height of 13.5 mm and a lower section with a height of 10 mm. The base is a threaded screw with a diameter of Ø.</p>	<p><b>Hexalobe Impression post open tray, short</b> incl. fixing screw, sterile</p> <p><b>Material</b> PEEK/Titanium alloy</p>	H2122.4550	4.8 mm
 <p>Technical drawing of a hexalobe impression post closed tray. It shows a side view of the post with a height of 10.8 mm and a diameter of Ø. To the right, there are two red components: an impression cap and a bite registration cap.</p>	<p><b>Hexalobe Impression post closed tray</b> incl. fixing screw, impression cap and bite registration cap</p> <p><b>Material</b> PEEK/Titanium alloy/POM</p>	H2120.4550	4.8 mm
 <p>Technical drawing of a monobloc impression cap closed tray. It shows a side view of the cap with a height of 11 mm and a diameter of Ø. To the right, there are two red components: an impression cap and a bite registration cap.</p>	<p><b>Monobloc Impression cap closed tray</b> incl. impression cap and bite registration cap</p> <p><b>Material</b> PEEK/POM</p>	H2110.4550	5.0 mm

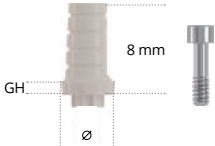
	Article	Art. No.	Ø
	<b>Impression caps</b> for impression post and impression cap, closed tray (5 units)  <b>Material</b> POM	J2111.4300	-
	<b>Bite registration caps</b> (5 units)  <b>Material</b> POM	J2112.4300	-
	<b>Hexalobe lab analog</b> for printed and casted models  <b>Material</b> Zirconia	H3020.4500	4.5 mm
	<b>Handle for Hexalobe lab analog</b> for printed models  <b>Material</b> Stainless steel/PEEK	H3025.0010	3.4 mm
	<b>Monobloc lab analog</b> for casted models  <b>Material</b> Stainless steel	D1037* H3010.4500**	4.5 mm

\* Manufacturer: AXIS biodental SA, Les Rosées 5, 2336 Les Bois, Switzerland

\*\* New article number available from end of Q3/2021



## Temporary abutments


	Article	Art. No.	Ø	GH
	<b>Temporary abutment</b> incl. titanium abutment screw  <b>Material</b> PEEK/Titanium alloy	H2221.4500	4.8 mm	1.0 mm

## Abutments PEKK



	Article	Art. No.	Ø	GH
	<b>PEKK abutment, straight</b> incl. titanium abutment screw  <b>Material</b> PEKK/Titanium alloy	H2231.4580	4.8 mm	1.0 mm
	<b>PEKK abutment, 15° angled, Type A</b> incl. titanium abutment screw  <b>Material</b> PEKK/Titanium alloy	H2233.4580	4.8 mm	1.0 mm
	<b>PEKK abutment, 15° angled, Type B</b> incl. titanium abutment screw  <b>Material</b> PEKK/Titanium alloy	H2234.4580	4.8 mm	1.0 mm

A gold abutment screw (H4011.1600) can be ordered in addition to the titanium abutment screw

## CAD/CAM Prosthetics

	Article	Art. No.	Ø
	<b>CERALOG® Scanbody</b> incl. titanium abutment screw, sterile  <b>Material</b> PEEK/Titanium alloy	H2610.4580	4.5 mm

## DEDICAM® – Customized CAD/CAM prosthetics




	Article	Ø	Color
	<b>DEDICAM® Healing cap for CERALOG® Hexalobe implant</b> incl. abutment screw  <b>Material</b> Zirconia	3.6 mm	*pure white
			*stained
	<b>DEDICAM® Abutment for CERALOG® Hexalobe implant</b> incl. abutment screw  <b>Material</b> Zirconia	3.6 mm	*pure white
			*stained

\* Pure white corresponds to VITA shade guide BL1 - 4, stained corresponds to VITA shade guide A1/A2.

Note: The DEDICAM® Healing cap and the abutment are each supplied with an abutment screw.  
This is available in either gold or titanium alloy and is charged separately.

DEDICAM® Services are not available in all countries. Please ask your local Camlog representative for details.  
Available for registered DEDICAM® Customers.




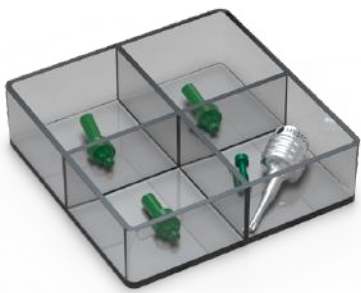
## Accessories for abutments and healing caps

	Article	Art. No.	Thread
 <p>7.4 mm</p>	<b>Titanium abutment screw</b> for definitive screw retention into the implant  <b>Material</b> Titanium alloy	H4001.1600	M1.6
 <p>7.4 mm</p>	<b>Gold abutment screw</b> for definitive screw retention into the implant  <b>Material</b> Holisticor	H4011.1600	M1.6
 <p>7.4 mm</p>	<b>Lab screw</b> for the fixation on the working model, green anodized  <b>Material</b> Titanium alloy	H4002.1600	M1.6


## Prosthetic instruments

	Article	Art. No.	L
 <p>H5310.0001</p>	<b>Lab screwdriver</b>  <b>Material</b> Stainless steel	H5310.0001	22 mm

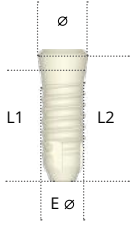
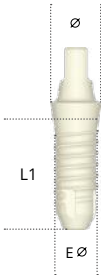
## Selection abutments

	Article	Art. No.	Ø
	<b>Selection abutment, straight</b>  <b>Material</b> PPSU	H3511.4580	4.5 mm
	<b>Selection abutment, 15° angled, Type A</b>  <b>Material</b> PPSU	H3513.4580	4.5 mm
	<b>Selection abutment, 15° angled, Type B</b>  <b>Material</b> PPSU	H3514.4580	4.5 mm
	<b>CERALOG®</b> <b>Prosthetic planning kit</b> incl. lab screw, lab screwdriver, selection abutment straight, selection abutment 15° angled, type A and type B  <b>Material</b> PPSU/Titanium alloy/Stainless steel	H3500.0001	-

## Macro model

	Article	Art. No.
	<b>CERLOG® Macro model</b> Scale: 3:1  <b>Content:</b> CERLOG® Hexalobe implant CERLOG® Monobloc implant 1 PEKK Abutment 1 Abutment screw 1 Lab screwdriver  <b>Material</b> Plastic/Stainless steel	H8010.1010

## Implants for practice

	Article	Art. No.	Ø	L1	L2	E Ø
	<b>CERLOG® Hexalobe implant for practice</b> M10 incl. cover cap  <b>Material</b> Zirconia/PEEK	H1029.4010	4.5 mm	10 mm	11.25 mm	4.0 mm
	<b>CERLOG® Monobloc implant for practice</b> M10  <b>Material</b> Zirconia	H1019.4010	4.5 mm	10 mm	-	4.0 mm

L1: Supracrestal insertion depth

L2: Epicrestal insertion depth

# Materials

## Zirconia – Y-TZP

Properties (ISO 13356)		
Chemical structure (in %):	ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	≥ 99.0
	Y <sub>2</sub> O <sub>3</sub>	4.5 < ... ≤ 6.0
	HfO <sub>2</sub>	≤ 5
	Al <sub>2</sub> O <sub>3</sub>	≤ 0.5
	other oxides	≤ 0.5
Mechanical properties:	Transversal strength	≥ 800 MPa
	Microstructure Median grain size	≤ 0.4 µm
Physical properties:	Density	≥ 6 g/cm <sup>3</sup>
	Radioactivity	≤ 200 Bq/kg

## PEKK

Properties		
Mechanical properties:	Tensile strength (MPa)	138 MPa
	Transversal strength (MPa)	193 MPa
	Compressive strength (MPa)	207 MPa
	Elongation at break	> 30%
Physical properties:	Melting temperature	360 °C
	Density	1.3 g/cm <sup>3</sup>
	Water absorption after 24h	< 0.2 %
	Modulus of elasticity	4.5 GPa

## PEEK

Properties		
Mechanical properties:	Tensile strength (MPa)	100 MPa
	Transversal strength (MPa)	165 MPa
	Compressive strength (MPa)	135 MPa
	Elongation at break	40 %
Physical properties:	Melting temperature	340 °C
	Density	1.3 g/cm <sup>3</sup>
	Water absorption after 24h	0.5 %
	Modulus of elasticity	4.1 GPa

## Titanium alloy Ti6Al4V ELI

Properties (ASTM F136)		
Chemical structure (in %):	Al	5.5–6.5
	V	3.5–4.5
	Fe	≤ 0.25
	C	≤ 0.08
	N	≤ 0.05
	O	≤ 0.13
	H	≤ 0.012
	Ti	Rest
Mechanical properties:	Tensile strength	≥ 860 MPa
	Elongation at break	≥ 10 %

## Holisticor

Properties		
Chemical structure (in %):	Precious metal content (Au, Pt, Pd, Rh)	74.5%
	Au	61%
	Ag	16.5%
	Pt	13.5%
	Cu	9.0%
Mechanical properties:	Hardness HV5	> 250
	Tensile strength (Rm)	> 800 MPa
	0.2% Elongation limit (Rp 0.2%)	> 700 MPa
	Elongation at break	> 6%
Physical properties:	Melting range	950–1050 °C
	Density	15.7 g/cm <sup>3</sup>
	Modulus of elasticity	96 GPa
	Color	Light Yellow

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# Further documentation

**Further information on the CERALOG® Products  
can be found in the following documents:**

- CERALOG® Instruction for use
- CERALOG® Working instructions
- CERALOG® Preparation instructions

The documents are available from the local Camlog representative.

See also: [www.camlog.com](http://www.camlog.com)  
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## Notes

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