

PRODUCT CATALOG
INTERNATIONAL
DEDICAM[®] PROSTHETICS

Valid from July 2019

a perfect fit

camlog



ALL FROM A SINGLE SOURCE.

And CAD/CAM is so easy with CAMLOG

Working digitally is becoming increasingly important in the dental industry. Computer-aided reconstruction and the accompanying process optimization as well as feasible product optimizations offer unprecedented opportunities in a highly dynamic market.

With CAMLOG, you have one contact partner, one manufacturer as well as the DEDICAM® Service Center for individualized, high-precision dental restorations at your side - and all in proven quality. Personal support and a process optimized right down to the finest detail ensure a high quality of service and results with the greatest possible individual freedom. Discover your options and start your digital future with DEDICAM.



IMPLANT PROSTHETICS

PROSTHETICS

- + COMFORT GAIN
- + HIGH SAFETY
- + TIME SAVING
- + TOP QUALITY
- + LOW EFFORT
- + ERROR REDUCTION
- + FLEXIBILITY
- + ECONOMIC EFFICIENCY

Customary top CAMLOG quality

DEDICAM products impress with CAMLOG quality – they are delivered quickly and reliably to you in the laboratory. Our focus is on you and your specific individual needs and requirements. See for yourself. You can find detailed information at www.camlog.de/cadcam.

Special Releases

A data check of all CAD files transferred to CAMLOG is an existential and safety-relevant barrier. Should any anomalies regarding the material or construction-specific parameters become apparent during this examination, we will inform you immediately. You will then have the opportunity to optimize the design and the corresponding order, or to issue a special release. A special release, however, has the consequence of invalidating the warranty and guarantee Claims. Understandably, we cannot assume any liability for products that no longer comply with the instructions for use of the materials or associated products. Such a product is not delivered with a manufacturer's declaration, but with a manufacturer's assessment.

Custom-made products from CAMLOG under the DEDICAM brand

All patient-specific DEDICAM products are custom designs as defined by the German Medical Devices Act (MPG) and are declared as such. Every custom-made product is accompanied by a manufacturer's declaration or manufacturer's assessment. This relieves you of the documentary burden of generating the declaration of conformity. Your assigned patient ID, the tooth position and our article number are given on all our documentation:

- Order confirmation
- Delivery note
- Invoice
- Manufacturer's declaration or manufacturer's assessment
- Product label

We comply with the basic requirements of Guideline 93/42/EEC, Annex I as well as ISO 13485. Next to complying with Good Manufacturing Practice (GMP) our production aims for a "Zero fault strategy". Even in the CAD/CAM manufacturing of unique DEDICAM brand products, we fully comply with the industrial process reliability and quality of CAMLOG. CAMLOG takes responsibility for more safety and assures transparency for all those involved in patient therapy.

Note on product availability

Not all products are available in all countries.



CAMLOG IS AN AUTHORIZED MILLING PARTNER

As an »Authorized Milling Partner« (AMP) we can offer you products made of exceptionally well scientifically documented materials from Ivoclar Vivadent (publications on the subject are available from the Download Center of Ivoclar Vivadent AG).

»Authorized Milling Partners« are manufacturing centers approved by Ivoclar Vivadent and with coordinated processes. You will benefit from:

- **high precision** restorations with excellent surface quality
- high **quality standards**: material and restoration are scientifically tested
- matched product and **system solutions** to complete the restorations

As part of the »Authorized Milling Partner« program, CAMLOG gains access to Ivoclar Vivadent's excellent range of materials. For example, these include the patented lithium disilicate glass ceramics IPS e.max® CAD, the tried and tested full ceramic for single tooth restorations IPS Empress® CAD, the versatile zirconium oxide IPS e.max® ZirCAD, as well as the quality plastic Telio® CAD, which is suitable for a broad range of temporary restorations.

The »Authorized Milling Partner's« digital process chains are geared to processing Ivoclar Vivadent materials and their properties. Quality is created when all processes have been tested and perfectly coordinated. And precisely this is the outcome of the CAMLOG/Ivoclar Vivadent symbiosis.

In addition to the products, you will receive tested construction parameters which are set up in the CAD software or can be uploaded via the DEDICAM materials library. The detailed parameters are matched to the material in combination with the indication and our manufacturing processes. These take key data into account, such as the minimum wall thickness, connection cross section, cement gap and milling radii.

This combination of product quality and manufacturing know-how results in an excellent and long-lasting product for clinical success for both you and your patients.



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TEAM APPROACH

"Backward planning" is the underlying concept in implant dentistry for long-term stable reconstructions and satisfied patients. For many years we have been supporting the various dental disciplines in their roles and tasks. This is why we rely on the team approach by bringing together the teams

of therapists and cooperating with them to design successful prosthetic reconstructions for the patients. This way we ensure that the know-how of all parties involved is reflected in the digital planning process.



Advantages

- ✓ Perfectly matched material properties and processing parameters
- ✓ Use of innovative materials
- ✓ Realization of complex reconstructions
- ✓ Reproducible results
- ✓ Optimization of laboratory workflows
- ✓ Data check for greater safety
- ✓ Better competitive positioning through use of the latest technologies

Regardless of the status of your business, DEDICAM services can be used as an "extended workbench":

- ✓ You have a scanner and CAD software - we process your data
- ✓ You have a machining unit - we process the materials you cannot process
- ✓ You are positioned on the market as a manufacturing service provider - we act as back-up to cushion your production peaks or downtimes



DEDICAM IMPLANT PROSTHETICS

The prosthetic restoration of implants is one of CAMLOG's core competences. The declared goal is to achieve the best possible quality of results and to create the Optimum conditions for this.

The DEDICAM CAD libraries are an elementary part for ensuring the fit of implant-prosthetic constructions. These are matched to the CAMLOG®, CONELOG®, iSy® and BioHorizons® Internal Implant Systems as well as other systems from leading manufacturers.

With DEDICAM, CAMLOG provides you with custom-made products in CAMLOG quality. DEDICAM offers different solutions for the direct restoration of implants. Custom-made one-piece abutments made of titanium alloy (Ti6Al4V) are available, as are mesostructures made of ceramic materials, which you can combine to a two-piece abutment with a titanium base CAD/CAM. Anatomical crowns for titanium bases are an esthetic alternative in the case of suitable implant positioning. For this type of restoration one can choose between the IPS e.max CAD, IPS e.max ZirCAD materials as well as Telio CAD for temporary restorations.

An individual gingiva former is a suitable solution for designing the emergence profile effectively as well as time and cost-saving. In the fully digital workflow, this gingiva former can also be used intraoperatively or after exposure of the healed implants to avoid elaborate soft tissue management if applicable.

Primary splinting of several implants can be achieved with directly screw-retained implant bridges and bars. These are occlusally screw-retained directly on the implant shoulder. Divergences in implant angulations are compensated with the aid of modified implant connection geometries. Alternatively, bridges and bars can be screw-retained occlusally onto prefabricated bar abutments or multi-unit abutments.

For the construction of occlusally screw-retained bridges and bars on implant shoulders or abutments, the model is re-measured with high-precision scanners and the scan data combined with the CAD data, if you so wish. Consequently, possible inaccuracies of the laboratory scanner can be compensated. Titanium bonding bases are available for CAMLOG and

CONELOG bar abutments. Bridges and bars for these bonding bases are bonded in the mouth. This proven »Passive-Fit technique« ensures a tension-free fit of the construction and thus perfect precision. Indication-relevant implant bridges and bars are available made of CoCr, titanium alloy, IPS e.max ZirCAD and Telio CAD. The implant bridges can be veneered with suitable ceramics or plastics, depending on the material. The one-piece abutments, one-piece gingiva formers and directly screw-retained bridges and bars are supplied with abutment screws, CAMLOG and BioHorizons structures on titanium bases with the titanium bases and restorations on bar and multi-unit abutments with prosthetic screws and, if necessary, titanium bonding bases.

The DEDICAM CAD libraries allow the design of implant-prosthetic restorations under consideration of material-specific properties. This adds to the safety and durability of the product.



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
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IPS e.max ZirCAD for CERALOG

One-piece abutments	13
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IMPLANT PROSTHETICS

One-piece abutments for CAMLOG and BioHorizons implant systems

DEDICAM one-piece abutments are designed with the original DEDICAM one-piece CAD library in the suitable CAD software and the corresponding module. To utilize our wide-ranging CAD libraries it is necessary to use our scanbodies or iSy multifunctional caps respectively (see pages 14 - 16).

The individual design of the one-piece abutment is similar to a prepared tooth stump and the anatomical design allows for a natural emergence profile. This lends optimal support to the soft tissue. This enables compensation of unfavorable implant positions/axial divergences.

The cervical shoulder can be prepared in an ideal manner and thus allows easy removal of excess cement and achieves outstanding esthetics.

A horizontal thread drill hole M1.4 can be provided individually for screw-retained restorations in titanium abutments. The thread is compatible with the "Bredent screw" (article number 33000700; available at your local Bredent distributor).

Material

Titanium alloy (Ti6Al4V)
Zirconium oxide (only CERALOG abutments)

Notes

All DEDICAM one-piece abutments are supplied with an abutment screw, CERALOG abutments with the titanium or gold screw selected in the CAD library or order portal.

Construction as primary part of a double crown restoration is possible.

One-piece CAMLOG abutments

CAMLOG® Implant System

precision milled or polished, incl. abutment screw

Diameters: 3.3 mm 3.8 mm 4.3 mm 5.0 mm 6.0 mm

Material: titanium alloy (Ti6Al4V), precision milled



Material: titanium alloy (Ti6Al4V), polished (subgingival region)



One-piece CAMLOG PS abutments*

CAMLOG® Implant System

precision milled or polished, incl. abutment screw

Diameters: - 3.8 mm 4.3 mm 5.0 mm 6.0 mm

Material: titanium alloy (Ti6Al4V), precision milled



Material: titanium alloy (Ti6Al4V), polished (subgingival region)



PS: Platform Switching

* The PS abutments may only be used in conjunction with CAMLOG Implants with "K article numbers".

IMPLANT PROSTHETICS

One-piece abutments for CAMLOG and BioHorizons implant systems

One-piece CONELOG abutments

CONELOG® Implant System

precision milled or polished, incl. abutment screw

Diameters: **3.3 mm** **3.8 mm** **4.3 mm** **5.0 mm**

Material: **titanium alloy** (Ti6Al4V), **precision milled**



Material: **titanium alloy** (Ti6Al4V), **polished** (subgingival region)

One-piece iSy abutments

iSy® Implant System

precision milled or polished, incl. abutment screw

Diameters: | **3.8 mm** | **4.4 mm** | **5.0 mm** |

Material: **titanium alloy** (Ti6Al4V), **precision milled**



Material: **titanium alloy** (Ti6Al4V), **polished** (subgingival region)

One-piece BioHorizons abutments

BioHorizons®

for tapered internal and internal implants, precision milled or polished, without Laser-Lok®, incl. abutment screw

Material: **titanium alloy** (Ti6Al4V), **precision milled**

Material: **titanium alloy** (Ti6Al4V), **polished** (subgingival region)



Threaded holes M1.4

use DEDICAM CAD library for one-piece titanium abutments, the thread is compatible with the "Bredent screw" with article number 33000700, available at your local Bredent distributor



One-piece CERALOG abutments

CERALOG® Implant System

for CERALOG Hexalobe implants, polished, pure white (MO 0; corresponds to VITA shade guide BL1 to BL4) or stained (MO 1; corresponds to VITA shade guide A1/A2), abutment screw made of titanium or gold alloy must be selected via the CAD library or the ordering platform, and is supplied and charged separately. Unlike the assembled CERALOG PEKK abutments, the customized abutments made of zirconia rest - due to the material - exclusively on the horizontal surface of the shoulder of the CERALOG Hexalobe M implants.

Material: **IPS e.max ZirCAD for CERALOG** (zirconium oxide, monochromatic)



CERALOG abutment screws

CERALOG® Implant System

for the final screw-retention of one-piece CERALOG abutments and gingiva formers in the CERALOG Hexalobe implant

Material: **titanium alloy** (Ti6Al4V)



Material: **Holisticor** (gold alloy)



SCANBODIES

for scanning at implant level

The scanbodies are used for optical three-dimensional localization of implants in the mouth and implant analogs in the working model. This enables an exact transfer of the implant position to the suitable CAD software. The scanbodies for the CAMLOG, CONELOG and iSy implant systems are delivered sterile and also allow immediate intraoral use.

The scan geometries of the scanbodies are part of the DEDICAM CAD libraries for all implant-supported restorations. Exception: in the case of bridges and bars occlusally screw-retained to abutments, the scanning caps are on file as geometries (see page 16).

CAMLOG scanbodies

CAMLOG® Implant System

sterile, can be used without scan spray, incl. abutment screw

Material: **PEEK** (poly ether ether ketone)



CONELOG scanbodies

CONELOG® Implant System

sterile, can be used without scan spray, incl. abutment screw

Material: **PEEK** (poly ether ether ketone)



iSy scanbodies

iSy® Implant System

sterile, can be used without scan spray, incl. abutment screw

Material: **PEEK** (poly ether ether ketone)



CERALOG scanbodies

CERALOG® Implant System

non-sterile, can be used without scan spray, incl. titanium abutment screw

Material: **PEEK** (poly ether ether ketone)



Manufacturer	Implant system	Implant [mm]			Scanbody, labeling	Scanbody, article number	
CAMLOG	CAMLOG® SYSTEM	Ø 3.3			Ø 3.3	K2610.3310	
		Ø 3.8			Ø 3.8	K2610.3810*	
		Ø 4.3			Ø 4.3	K2610.4310*	
		Ø 5.0	Ø 6.0	Ø 5.0/6.0	K2610.6010*		
	CONELOG® SYSTEM	Ø 3.3			Ø 3.3	C2600.3310	
		Ø 3.8	Ø 4.3	Ø 3.8/4.3	C2600.4310		
		Ø 5.0			Ø 5.0	C2600.5010	
		iSy	Ø 3.8	Ø 4.4	Ø 5.0	iSy	P2600.0001
		CERALOG® SYSTEM	Ø 4.5			without	D1254 (being discontinued), H2610.4580

* can also be used for Platform Switching

SCANBODIES

for scanning at implant level

Note

Names marked with ® are registered trademarks of their respective manufacturers (see page 93).

Internal scanbody with snap-in function

BioHorizons®

non-sterile, can be used without scan spray

Material: **PEEK** (poly ether ether ketone), **titanium alloy** (Ti6Al4V)



Scanbodies for other implant systems

non-sterile, can be used without scan spray, incl. framed fixing screw

Material: **PEEK** (poly ether ether ketone), **titanium alloy** (Ti6Al4V)



Manufacturer	Implant system	Platform or implant [mm]				Scanbody, labeling	Scanbody, article number
BioHorizons®	Tapered Internal + Internal	Ø 3.0 (not tissue level)				without	BZ2123.3000 (TP3SSB)
		Ø 3.5				without	BZ2123.3500 (PYSSB)
		Ø 4.5				without	BZ2123.4500 (PGSSB)
		Ø 5.7 (not Internal Plus)				without	BZ2123.5700 (PBSSB)
Biomet® 3i	OSSEOTITE®	Ø 3.4				7A-A	D0064.5487
		Ø 4.1	Ø 5.0/Ø 6.0			7A-B	D0064.5488
	OSSEOTITE® Certain®	Ø 3.4				7B-A	D0064.5483
		Ø 4.1	Ø 5.0/Ø 6.0			7B-B	D0064.5484
Dentsply® Implants	FRIALIT® + XiVE®	Ø 3.4				8A-B	D0066.7718
		Ø 3.8				8A-C	D0066.7719
		Ø 4.5/Ø 5.5				8A-D	D0066.7720
	Astra Tech OsseoSpeed® TX	Ø 3.5/Ø 4.0				3A-B	D0064.5481
		Ø 4.5/Ø 5.0				3A-C	D0064.5482
Nobel Biocare®	Brånemark System® Mk III	Narrow Platform (NP) Ø 3.5				6A-A	D0064.5491
		Regular Platform (RP) Ø 4.1				6A-B	D0064.5492
		Wide Platform (WP) Ø 5.1				6A-C	D0064.5493
	NobelActive®	Narrow Platform (NP) Ø 3.5				2B-A	D0064.5499
		Regular Platform (RP) Ø 4.3 / 5.0				2B-B	D0064.5500
	NobelReplace®	Narrow Platform (NP) Ø 3.5				2A-A	D0064.5494
		Regular Platform (RP) Ø 4.3				2A-B	D0064.5495
		Wide Platform (WP) Ø 5.0				2A-C	D0064.5496
						2A-D	D0064.5497
Straumann®	Tissue Level	Regular Neck (RN) Ø 4.8		Wide Neck (WN) Ø 6.5		4B-A	D0064.5501
		Narrow CrossFit® (NC) Ø 3.3				4A-A	D0064.5503
	Bone Level	Regular CrossFit® (RC) Ø 4.1 + Ø 4.8				4A-B	D0064.5504
Ø 3.5		Ø 4.5		5A-A	D0064.5509		
Zimmer® Dental	Screw-Vent®	Ø 5.7				5A-B	D0064.5511
medentis medical	ICX	Ø 3.45	Ø 3.75	Ø 4.1	Ø 4.8	20A-A	D0068.6417

SCANNING CAPS

for scanning on prefabricated abutments

The scan geometries of the scanning caps are part of the DEDICAM CAD libraries for bars and bridges occlusally screw-retained to abutments.

The geometry of the iSy multifunctional cap is available for the design of abutments on single implants in the DEDICAM CAD libraries.

CAMLOG® Implant System

CONELOG® Implant System

Scanning caps for CAMLOG/ CONELOG bar abutments

sterile, can be used without scan spray, incl. prosthetic screw

Material: **PEEK** (poly ether ether ketone)



Scanning caps for BioHorizons and Nobel Biocare® Multi-Unit abutments

non-sterile, can be used without scan spray, incl. framed fixing screw

Material: **PEEK** (poly ether ether ketone)



iSy® Implant System

iSy multifunctional caps for iSy implant/lab bases (3 pieces)

sterile, can be used without scan spray, with snap-in function, 2 pieces included with each iSy Implant, cannot be used for double crowns, file-splitting and multi-unit structures

Material: **PEEK** (poly ether ether ketone)



SCREWDRIVER

for other implant systems

Screwdriver

only for scanbodies from other implant systems (not for BioHorizons) and scanning caps for BioHorizons and Nobel Biocare® Multi-Unit abutments

Art. No.: D0066.6700

Material: **steel** (stainless)



Manufacturer	Abutments	Platform [mm]	Scanning cap, labeling	Scanning cap, article number
CAMLOG	CAMLOG + CONELOG bar abutments	Ø 4.3	without	J2610.4300
		Ø 6.0	without	J2610.6000
	iSy implant/lab bases	-	without	P2130.4004
BioHorizons®	Multi-Unit abutments	Ø 3.0	2C-A	D0064.5498
		Ø 3.5		
		Ø 4.5		
		Ø 5.7		
Nobel Biocare®	Multi-Unit abutments	Narrow Platform (NP) Ø 3.5	2C-A	D0064.5498
		Regular Platform (RP) Ø 4.3		
		Wide Platform (WP) Ø 5.0	2C-B	D0066.7717

Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91



IMPLANT PROSTHETICS

One-piece abutments for other implant systems

DEDICAM one-piece abutments are designed with the original DEDICAM one-piece CAD library in the suitable CAD software and the corresponding module. To this purpose, it is necessary to use the scanbodies suitable for the respective implant system (see page 15). The library allows construction with consideration of the material-specific properties. This adds to the safety and durability of the product.

DEDICAM uses CE-compliant starting products from an audited and certified manufacturer for the one-piece titanium abutments of other implant systems. For your safety, this manufacturer was selected with the greatest care and this way we can ensure high precision of the implant-abutment connection. The supplied and also separately available abutment screws can be used with the implant manufacturer's original screwdriver.

A horizontal thread drill hole M1.4 can be provided individually for screw-retained restorations. The thread is compatible with the "Bredent screw" (see page 13).

Material

Titanium alloy (Ti6Al4V)

Notes

All DEDICAM one-piece abutments are supplied with an abutment screw. Names marked with © are registered trademarks of their respective manufacturers.

Construction as primary part of a double crown restoration is possible.

Compatible with OSSEOTITE®

Biomet® 3i

precision milled or polished, incl. abutment screw with titanium nitrite coating

Material: **titanium alloy** (Ti6Al4V), **precision milled**

Material: **titanium alloy** (Ti6Al4V), **polished** (subgingival region)

Diameters:	3.4 mm	4.1 mm	5.0/6.0 mm
Abutment screw:	M 2.0 Art. No. D0064.5658		
Scanbody:	Art. No. D0064.5487	Art. No. D0064.5488	

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Compatible with OSSEOTITE® Certain®

Biomet® 3i

precision milled or polished, incl. abutment screw with titanium nitrite coating

Material: **titanium alloy** (Ti6Al4V), **precision milled**

Material: **titanium alloy** (Ti6Al4V), **polished** (subgingival region)

Diameters:	3.4 mm	4.1 mm	5.0/6.0 mm
Abutment screw:	M 1.6 Art. No. D0064.5657		
Scanbody:	Art. No. D0064.5483	Art. No. D0064.5484	

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IMPLANT PROSTHETICS

One-piece abutments for other implant systems

Compatible with Frialit® + XiVE® Dentsply® Implants

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Diameters:	3.4 mm	3.8 mm	4.5/5.5 mm
Abutment screw:	M 1.6 Art. No. D0066.7551		
Scanbody:	Art. No. D0066.7718	Art. No. D0066.7719	Art. No. D0066.7720

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Compatible with Astra Tech OsseoSpeed® TX Dentsply® Implants

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Diameters:	3.5/4.0 mm	4.5/5.0 mm
Abutment screw:	M 1.6 Art. No. D0064.5655	M 2.0 Art. No. D0064.5656
Scanbody:	Art. No. D0064.5481	Art. No. D0064.5482

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Compatible with NobelReplace® Nobel Biocare®

precision milled or polished, incl. abutment screw with DLC coating (not M1.8)

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Platform Ø:	NP 3.5 mm	RP 4.3 mm	WP 5.0 mm	6.0 mm
Abutment screw:	M 1.8 Art. No. D0064.5662	M 2.0 Art. No. D0064.5663		
Scanbody:	Art. No. D0064.5494	Art. No. D0064.5495	Art. No. D0064.5496	Art. No. D0064.5497

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Compatible with NobelActive® Nobel Biocare®

precision milled or polished, incl. abutment screw with DLC coating (not M1.6)

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Platform Ø:	NP 3.5 mm	RP 4.3/5.0 mm
Abutment screw:	M 1.6 Art. No. D0064.5664	M 2.0 Art. No. D0064.5665
Scanbody:	Art. No. D0064.5499	Art. No. D0064.5500

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Compatible with Brånemark System® Mk III Nobel Biocare®

precision milled or polished, incl. abutment screw with DLC coating

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Platform Ø:	NP 3.5 mm	RP 4.1 mm	WP 5.1 mm
Abutment screw:	M 1.6 Art. No. D0064.5659	M 2.0 Art. No. D0064.5660	M 2.5 Art. No. D0064.5661
Scanbody:	Art. No. D0064.5491	Art. No. D0064.5492	Art. No. D0064.5493

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Compatible with Tissue Level Straumann®

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Platform Ø:	RN 4.8 mm	WN 6.5 mm
Abutment screw:	M 2.0 Art. No. D0064.5666	
Scanbody:	Art. No. D0064.5501	

Straumann® is a registered trademark of Straumann Holding AG, Switzerland



Compatible with Bone Level Straumann®

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Platform Ø:	NC 3.3 mm	RC 4.1/4.8 mm
Abutment screw:	M 1.6 Art. No. D0064.5667	
Scanbody:	Art. No. D0064.5503	Art. No. D0064.5504

Straumann® is a registered trademark of Straumann Holding AG, Switzerland



Compatible with Screw-Vent® Zimmer® Dental

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Diameters:	3.5 mm	4.5 mm	5.7 mm
Abutment screw:	M 1.8 Art. No. D0064.5668		
Scanbody:	Art. No. D0064.5509		Art. No. D0064.5511

ZIMMER® and SCREW-VENT® are registered trademarks of Zimmer Inc., U.S.A.



Compatible with ICX implant system medentis medical

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished** (subgingival region)

Diameters:	3.45 mm	3.75 mm	4.1 mm	4.8 mm
Abutment screw:	M 1.6 Art. No. D0068.4860			
Scanbody:	Art. No. D0068.6417			

Note: a suitable screwdriver is available for all scanbodies of other implant systems (see page 17).



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

IPS e.max ZirCAD for CERALOG

One-piece abutments	13
One-piece gingiva formers	25

The anatomical shape creates an optimal emergence profile

Sterilizable titanium alloy, can be used immediately after the surgical procedure

Original connection for:
CAMLOG implant system
CONELOG implant system
CERALOG Hexalobe implants
iSy implant system
BioHorizons Internal implants

IMPLANT PROSTHETIC

One-piece gingiva formers for CAMLOG and BioHorizons implant systems

DEDICAM one-piece gingiva formers are designed with the original DEDICAM CAD library for gingiva formers in the suitable CAD software and the corresponding abutment module. To do this it is necessary to use our scanbodies or iSy multifunctional caps respectively (see pages 14 -16). The screw channel is temporarily sealed with suitable materials.

The one-piece gingiva former allows shaping of the soft tissue for transgingival healing or after exposure of the osseointegrated implants. This allows a natural emergence profile to be created. Complex soft tissue management may no longer be necessary.

Customized gingiva formers can be designed without a model. To do this, the implant position is recorded with an intraoral scanner and a scanbody. The scanning data are loaded into suitable CAD software to design the gingiva formers there.

Material

Titanium alloy (Ti6Al4V)
Zirconium oxide (only CERALOG gingiva formers)

Note

All DEDICAM one-piece gingiva formers are supplied with an abutment screw packaged non-sterile. CERALOG abutments with the titanium or gold screw selected in the CAD library or order portal.

One-piece CAMLOG gingiva formers

CAMLOG® Implant System

precision milled or polished, incl. abutment screw

Diameters: 3.3 mm 3.8 mm 4.3 mm 5.0 mm 6.0 mm

Material: titanium alloy (Ti6Al4V), precision milled

Material: titanium alloy (Ti6Al4V), polished



One-piece CAMLOG PS gingiva formers*

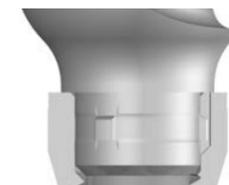
CAMLOG® Implant System

precision milled or polished, incl. abutment screw

Diameters: - 3.8 mm 4.3 mm 5.0 mm 6.0 mm

Material: titanium alloy (Ti6Al4V), precision milled

Material: titanium alloy (Ti6Al4V), polished



PS: Platform Switching



*The PS gingiva formers may only be used with CAMLOG implants with "K article numbers".

IMPLANT PROSTHETICS

One-piece gingiva formers for CAMLOG and BioHorizons implant systems

One-piece CONELOG gingiva formers

CONELOG® Implant System

precision milled or polished, incl. abutment screw

Diameters: **3.3 mm** **3.8 mm** **4.3 mm** **5.0 mm**

Material: **titanium alloy** (Ti6Al4V), **precision milled**

Material: **titanium alloy** (Ti6Al4V), **polished**



One-piece iSy gingiva formers

iSy® Implant System

precision milled or polished, incl. abutment screw

Diameters: | **3.8 mm** | **4.4 mm** | **5.0 mm** |

Material: **titanium alloy** (Ti6Al4V), **precision milled**

Material: **titanium alloy** (Ti6Al4V), **polished**

One-piece BioHorizons gingiva formers

BioHorizons®

for tapered internal and internal implants, precision milled or polished, without Laser-Lok, incl. abutment screw

Material: **titanium alloy** (Ti6Al4V), **precision milled**

Material: **titanium alloy** (Ti6Al4V), **polished** (subgingival region)

One-piece CERALOG gingiva formers

CERALOG® Implant System

for CERALOG Hexalobe implants, polished, pure white (MO 0; corresponds to VITA shade guide BL1 to BL4) or stained (MO 1; corresponds to VITA shade guide A1/A2), abutment screw made of titanium or gold alloy must be selected via the CAD library or the ordering platform, and is supplied and charged separately. Unlike the assembled CERALOG PEKK gingiva formers, the gingiva formers made of zirconia rest - due to the material - exclusively on the horizontal surface of the shoulder of the CERALOG Hexalobe M implants.

Material: **IPS e.max ZirCAD for CERALOG** (zirconium oxide, monochromatic)



CERALOG abutment screws

CERALOG® Implant System

for the final screw-retention of one-piece CERALOG abutments and gingiva formers in the CERALOG Hexalobe implant

Material: **titanium alloy** (Ti6Al4V)

Material: **Holisticor** (gold alloy)



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

IMPLANT PROSTHETICS

One-piece gingiva formers for other implant systems

DEDICAM one-piece gingiva formers are designed with the original DEDICAM one-piece abutment CAD library in the suitable CAD software and the corresponding module for individual abutments. To this purpose, it is necessary to use the scanbodies suitable for the respective implant system (see page 15). The screw channel is sealed temporarily with suitable materials.

DEDICAM uses CE-compliant starting products from an audited and certified manufacturer for the one-piece gingiva formers of other implant systems. For your safety, this manufacturer was selected with the greatest care and this way we can ensure high precision of the implant-abutment connection. The supplied and also separately available abutment screws can be used with the implant manufacturer's original screwdriver.

Note:

We recommend a minimum height of 1.0 mm above the screw head to assure secure fixation of the sealing material.

Material

Titanium alloy (Ti6Al4V)

Notes

All DEDICAM one-piece gingiva formers are supplied with an abutment screw packaged non-sterile.

Names marked with © are registered trademarks of their respective manufacturers.



Compatible with OSSEOTITE®		Biomet® 3i	
precision milled or polished, incl. abutment screw with titanium nitrite coating			
Material: titanium alloy (Ti6Al4V), precision milled			
Material: titanium alloy (Ti6Al4V), polished			
Diameters:	3.4 mm	4.1 mm	5.0/6.0 mm
Abutment screw:	M 2.0 Art. No. D0064.5658		
Scanbody:	Art. No. D0064.5487	Art. No. D0064.5488	

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Compatible with OSSEOTITE® Certain®		Biomet® 3i	
precision milled or polished, incl. abutment screw with titanium nitrite coating			
Material: titanium alloy (Ti6Al4V), precision milled			
Material: titanium alloy (Ti6Al4V), polished			
Diameters:	3.4 mm	4.1 mm	5.0/6.0 mm
Abutment screw:	M 1.6 Art. No. D0064.5657		
Scanbody:	Art. No. D0064.5483	Art. No. D0064.5484	

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IMPLANT PROSTHETICS

One-piece gingiva formers for other implant systems

Compatible with Frialit® + XiVE® Dentsply® Implants

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Diameters:	3.4 mm	3.8 mm	4.5/5.5 mm
Abutment screw:	M 1.6 Art. No. D0066.7551		
Scanbody:	Art. No. D0066.7718	Art. No. D0066.7719	Art. No. D0066.7720

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Compatible with Astra Tech OsseoSpeed® TX Dentsply® Implants

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Diameters:	3.5/4.0 mm	4.5/5.0 mm
Abutment screw:	M 1.6 Art. No. D0064.5655	M 2.0 Art. No. D0064.5656
Scanbody:	Art. No. D0064.5481	Art. No. D0064.5482

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Compatible with NobelReplace® Nobel Biocare®

precision milled or polished, incl. abutment screw with DLC coating (not M1.8)

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Platform Ø:	NP 3.5 mm	RP 4.3 mm	WP 5.0 mm	6.0 mm
Abutment screw:	M 1.8 Art. No. D0064.5662	M 2.0 Art. No. D0064.5663		
Scanbody:	Art. No. D0064.5494	Art. No. D0064.5495	Art. No. D0064.5496	Art. No. D0064.5497

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Compatible with NobelActive® Nobel Biocare®

precision milled or polished, incl. abutment screw with DLC coating (not M1.6)

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Platform Ø:	NP 3.5 mm	RP 4.3/5.0 mm
Abutment screw:	M 1.6 Art. No. D0064.5664	M 2.0 Art. No. D0064.5665
Scanbody:	Art. No. D0064.5499	Art. No. D0064.5500

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Compatible with Brånemark System® Mk III Nobel Biocare®

precision milled or polished, incl. abutment screw with DLC coating

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Platform Ø:	NP 3.5 mm	RP 4.1 mm	WP 5.1 mm
Abutment screw:	M 1.6 Art. No. D0064.5659	M 2.0 Art. No. D0064.5660	M 2.5 Art. No. D0064.5661
Scanbody:	Art. No. D0064.5491	Art. No. D0064.5492	Art. No. D0064.5493

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Compatible with Tissue Level Straumann®

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Platform Ø:	RN 4.8 mm	WN 6.5 mm
Abutment screw:	M 2.0 Art. No. D0064.5666	
Scanbody:	Art. No. D0064.5501	

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Compatible with Bone Level Straumann®

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Platform Ø:	NC 3.3 mm	RC 4.1/4.8 mm
Abutment screw:	M 1.6 Art. No. D0064.5667	
Scanbody:	Art. No. D0064.5503	Art. No. D0064.5504

Straumann® is a registered trademark of Straumann Holding AG, Switzerland



Compatible with Screw-Vent® Zimmer® Dental

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Platform Ø:	3.5 mm	4.5 mm	5.7 mm
Abutment screw:	M 1.8 Art. No. D0064.5668		
Scanbody:	Art. No. D0064.5509		Art. No. D0064.5511

ZIMMER® and SCREW-VENT® are registered trademarks of Zimmer Inc., U.S.A.



Compatible with ICX implant system medentis medical

precision milled or polished, incl. abutment screw

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **titanium alloy (Ti6Al4V), polished**

Diameters:	3.45 mm	3.75 mm	4.1 mm	4.8 mm
Abutment screw:	M 1.6 Art. No. D0068.4860			
Scanbody:	Art. No. D0068.6417			

Note: a suitable screwdriver is available for all scanbodies of other implant systems (see page 17).



IPS e.max ZirCAD

Mesostructures for titanium bases	31
Crowns for titanium bases	35
Bridges for titanium bases	43
COMFOUR bridges, passive fit	63
Crowns and anatomical bridges	84
Frameworks for crowns and bridges	89

IPS e.max CAD

Mesostructures for titanium bases	31
Crowns for titanium bases	36
Inlays, onlays and partial crowns	81
Veneers	82
Crowns and anatomical bridges	84
Crown framework	89

The materials offer excellent compatibility with soft tissue

The mesostructures are available in two ceramic materials and several shades and grades of translucency for highest esthetical requirements

The optimal placement of the cervical shoulder allows excellent esthetics and easy removal of the subgingival excess cement

Rotation-locked titanium bases provide a durable connection between implant and individual abutment



IMPLANT PROSTHETICS

Mesostructures for titanium bases for CAMLOG and BioHorizons implant systems

DEDICAM mesostructures for the rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, crown or BioHorizons Internal hybrid titanium bases with hexagon allow the construction of two-piece abutments ("hybrid abutments"). They are available in two ceramic materials for the iSy implant base in IPS e.max ZirCAD. The mesostructure is designed with the original DEDICAM CAD library. This is executed in the suitable CAD software and the corresponding abutment module.

The anatomical design of the individual shape of the mesostructure allows for a natural emergence profile. This lends optimal support to the soft tissue. The cervical shoulder can be prepared in an ideal manner and thus allows easy removal of subgingival excess cement. The abutment design is similar to a prepared tooth stump. This enables compensation of unfavorable implant positions/angulations. The ceramic materials in various shades and degrees of translucency can be used to achieve esthetics that meet the highest demands. The tooth-colored support of the soft tissue is advantageous in the anterior region or for thin types of gingiva.

Mesostructures for other manufacturers' titanium bases can also be supplied (see page 38). Construction as primary part of a double crown restoration is only possible in IPS e.max ZirCAD.

Material

IPS e.max ZirCAD
IPS e.max CAD

Note

The titanium base selected in the CAD library or in the ordering portal is included and charged separately.

Mesostructures for rotation-locked titanium bases

Titanium bases are included and charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	

iSy prosthetic platform Ø: | 4.5 mm | 5.2 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
------------------------------------	--------	--------	--------	--------

Also available for iSy Implant bases

Material: **IPS e.max ZirCAD MO/LT** (zirconium oxide, monochromatic)

MO = medium opacity
LT = low translucency
BL = Bleach

Correlation to the VITA shade guide is given in the overview table (see page 99)



Mesostructures for rotation-locked titanium bases

Titanium bases are included and charged separately,

supplied in metasilicate phase »blue crown«, crystallization firing required

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	

iSy prosthetic platform Ø: | 4.5 mm | 5.2 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
------------------------------------	--------	--------	--------	--------

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)

MO = medium opacity

Correlation to the VITA shade guide is given in the overview table (see page 100)



Gingiva formers for titanium bases	33
Crowns for titanium bases, temporary	37
Bridges for titanium bases, bridge	43
COMFOUR bridges, passive fit	62
Crowns and anatomical bridges	85

Easy modification is possible

Integrates inconspicuously into the oral environment

Sterilizable



IMPLANT PROSTHETICS

Gingiva formers for titanium bases for CAMLOG and BioHorizons implant systems

DEDICAM gingiva formers for rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, crown, iSy implant base or BioHorizons Internal hybrid titanium base with hexagon consist of tooth-colored PMMA plastic. The custom-made gingiva former is designed with the original DEDICAM CAD library. This is executed in the suitable CAD software and the corresponding abutment module.

The anatomical shape of the gingiva formers allows the designing of a natural emergence profile and gives an esthetic overall result. The soft tissue is prepared perfectly for subsequent restoration.

The custom-made abutment is bonded extraorally to the titanium base. The occlusal screw channel is sealed after integration. To optimize the emergence profile, gingiva formers for titanium bases are easily modified by applying suitable composite or grinding.

Customized gingiva formers for titanium bases can be designed without a model. To do this, the implant position is recorded with an intraoral scanner and a scanbody. The scanning data are loaded into suitable CAD software to design the gingiva formers there.

Material

Telio CAD (PMMA)

Notes

Wearing period maximum 12 months.

Gingiva formers for other manufacturers' titanium bases can also be supplied (see page 39).

The titanium base selected in the CAD library or in the ordering portal is included and charged separately.

Gingiva formers for rotation-locked titanium bases

Titanium bases are included and charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	

iSy prosthetic platform Ø: | 4.5 mm | 5.2 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
------------------------------------	--------	--------	--------	--------

Also available for iSy Implant bases

Material: **Telio CAD** (PMMA)



IPS e.max ZirCAD

Mesostructures for titanium bases	31
Crowns for titanium bases	35
Bridges for titanium bases	43
COMFOUR bridges, passive fit	63
Crowns and anatomical bridges	84
Frameworks for crowns and bridges	89

IPS e.max CAD

Mesostructures for titanium bases	31
Crowns for titanium bases	36
Inlays, onlays and partial crowns	81
Veneers	82
Crowns and anatomical bridges	84
Crown framework	89

Telio CAD

Gingiva formers for titanium bases	33
Crowns for titanium bases, temporary	37
Bridges for titanium bases, bridge	43
COMFOUR bridges, passive fit	62
Crowns and anatomical bridges	85

Removal of excess cement is not necessary

Available in numerous tooth shades and three degrees of translucency

IMPLANT PROSTHETICS

Crowns for titanium bases (suprastructure) for CAMLOG and BioHorizons implant systems

DEDICAM crowns for rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, crown or BioHorizons Internal hybrid titanium base with hexagon are available in two ceramic materials, for the iSy implant base in IPS e.max ZirCAD. The anatomical suprastructure is designed with the original DEDICAM CAD library. This is executed in a suitable CAD software and the corresponding module.

The anatomical shape of the crown for titanium bases allows for a natural emergence profile and gives an esthetic overall result. This lends optimal support to the soft tissue.

The anatomical crown for rotation-locked titanium bases is bonded extraorally to the titanium base. The occlusal screw channel is sealed after integration. Crowns for titanium bases are particularly suited if the screw channel is located occlusally or palatal/lingual.

Anatomical crowns for titanium bases allow cost-effective esthetic restorations. In addition, the removal of subgingival cement residues is unnecessary.

Esthetics which meet the highest demands can be achieved with the tooth-colored ceramic materials IPS e.max ZirCAD and IPS e.max CAD. Both ceramics are available in three degrees of translucency. IPS e.max ZirCAD, the polychromatic version "MT Multi" with a natural shade gradient offers a large variety of individualization options.

Material

IPS e.max ZirCAD
IPS e.max CAD

Notes

Crowns for other manufacturers' titanium bases can also be supplied (see page 39).

The titanium base selected in the CAD library or in the ordering portal is included and charged separately.

Crowns for rotation-locked titanium bases

Titanium bases are included and charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	
iSy prosthetic platform Ø:	4.5 mm 5.2 mm				
BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm	

Material: **IPS e.max ZirCAD MT/LT** (zirconium oxide, monochromatic)



Material: **IPS e.max ZirCAD MT Multi** (zirconium oxide, polychromatic)



IMPLANT PROSTHETICS

Crowns for titanium bases (suprastructure) for CAMLOG and BioHorizons implant systems

Crowns for rotation-locked titanium bases

Titanium bases are included and charged separately, supplied in metasilicate phase »blue crown«, crystallization firing required

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
--------------------------	--------	--------	--------	--------	--------

CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm
---------------------------	--------	--------	--------	--------

iSy prosthetic platform Ø: | 4.5 mm | 5.2 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
------------------------------------	--------	--------	--------	--------

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)



LT = low translucency
BL = Bleach



IMPLANT PROSTHETICS

Crowns for titanium bases, temporary (suprastructure) for CAMLOG and BioHorizons implant systems

The anatomical shape of the temporary crown for rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, crown, iSy implant base or BioHorizons Internal hybrid titanium base with hexagon allows the design of a natural emergence profile and an esthetic overall result. The soft tissue is prepared perfectly for subsequent permanent restoration.

The anatomical crown for titanium bases is bonded extraorally to the titanium base or iSy implant base. The occlusal screw channel is sealed after integration. To optimize the emergence profile, temporary crowns for titanium bases are easily modified by applying suitable composite or grinding.

Anatomical temporary crowns for titanium bases allow cost-effective esthetic restorations during the trans-gingival healing phase or after exposure of the implants, up to a maximum wearing period of 12 months. The tooth-colored Telio CAD PMMA plastic integrates inconspicuously into the oral environment.

Customized crowns for titanium bases can be designed without a model. To do this, the implant position is recorded with an intraoral scanner and a scanbody. The scanning data are loaded into a suitable CAD software to design the crowns there.

Material

Telio CAD

Notes

Wearing period maximum 12 months.

Temporary crowns for other manufacturers' titanium bases can also be supplied (see page 39).

The titanium base selected in the CAD library or in the ordering portal is included and charged separately.

Crowns for rotation-locked titanium bases, temporary

Titanium bases are included and charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
--------------------------	--------	--------	--------	--------	--------

CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm
---------------------------	--------	--------	--------	--------

iSy prosthetic platform Ø: | 4.5 mm | 5.2 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
------------------------------------	--------	--------	--------	--------

Also available for iSy Implant bases

Material: **Telio CAD** (PMMA)



LT = low translucency
BL = Bleach



IMPLANT PROSTHETICS

Restoration options on titanium bases of various manufacturers

Mesostructures, crowns and gingiva formers for other manufacturers' rotation-locked titanium bases can be constructed with the aid of freely available CAD libraries. The original DEDICAM CAD library is available to 3Shape® users for designing on Medentika® titanium bases (2nd generation). Construction is executed using suitable CAD software and the corresponding module. The titanium bases and the corresponding CAD libraries can be obtained from the respective suppliers.



Material

IPS e.max ZirCAD
IPS e.max CAD
Telio CAD

Notes

Delivery without titanium bases.
As some suppliers encrypt their output data, milling cannot be assured here. Please contact our Technical Service for clarification.
Construction as primary part of a double crown restoration is only possible in IPS e.max ZirCAD.

Mesostructures for rotation-locked titanium bases

without titanium base, this is available from the respective supplier

Material: **IPS e.max ZirCAD MO/LT** (zirconium oxide, monochromatic)



Mesostructures for rotation-locked titanium bases

only for titanium bases from Wieland Dental and Medentika (2nd generation), except Straumann® Tissue Level compatible, supplied in metasilicate phase "blue crown", crystallization firing required; without titanium base, this is available from the respective supplier

Material: **IPS e.max CAD MO** (lithium disilicate glass ceramic)



Crowns for rotation-locked titanium bases, permanent

without titanium base, this is available from the respective supplier

Material: **IPS e.max ZirCAD MT/LT** (zirconium oxide, monochromatic)



Material: **IPS e.max ZirCAD MT Multi** (zirconium oxide, polychromatic)



Crowns for rotation-locked titanium bases, permanent

only for titanium bases from Wieland Dental and Medentika (2nd generation), except those compatible to Straumann® Tissue Level, supplied in metasilicate phase "blue crown", crystallization firing required; without titanium base, which is available from the respective supplier

Material: **IPS e.max CAD LT** (lithium disilicate glass ceramic)



Crowns for rotation-locked titanium bases, temporary

without titanium base, this is available from the respective supplier, wearing period maximum 12 months

Material: **Telio CAD** (PMMA)



Gingiva formers for rotation-locked titanium bases

without titanium base, this is available from the respective supplier, wearing period maximum 12 months

Material: **Telio CAD** (PMMA)



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

IPS e.max ZirCAD

Mesostructures for titanium bases	31
Crowns for titanium bases	35
Bridges for titanium bases	43
COMFOUR bridges, passive fit	63
Crowns and anatomical bridges	84
Frameworks for crowns and bridges	89

Telio CAD

Gingiva formers for titanium bases	33
Crowns for titanium bases, temporary	37
Bridges for titanium bases, bridge	43
COMFOUR bridges, passive fit	62
Crowns and anatomical bridges	85

Precisely fitting attachments for bridges made of CoCr and titanium alloy are possible with special and corresponding CAD libraries and CAM templates

Ceramic bridge restorations possible at implant level

No oxidation of the implant connections with ceramic veneers

Precise implant-abutment connection

IMPLANT PROSTHETICS

Bridges for titanium bases for CAMLOG and BioHorizons implant systems

DEDICAM bridges for rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, bridges or BioHorizons Internal hybrid titanium bases without hexagon are available in two tooth-colored materials and also in CoCr and titanium alloys. The anatomically reduced or anatomical suprastructure is designed using the original DEDICAM CAD library. This is executed using suitable CAD software and the corresponding module. Implant axis divergences of up to 30° to each other can be compensated.

The anatomical shape of the bridge abutments on the titanium bases allows a natural emergence profile and an overall esthetic result. This lends optimal support to the soft tissue.

The bridge is bonded extraorally to the model on the non-rotation-locked titanium bases. Here, attention should be paid to a common insertion direction of the bridge to the titanium bases. The occlusal screw channel is sealed after integration. Bridges for titanium bases are particularly suited if the screw channel is located occlusally or palatal/lingual. The removal of subgingival cement residues is unnecessary.

The bridges are available from 2 (6 for the iSy implant system) to 16 units. The span width of the bridge can be up to 30 mm. Appropriate connection cross sections are to be taken into consideration. Non-rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, bridge or BioHorizons Internal hybrid titanium bases, without hexagon, can be combined in one bridge. The indication restrictions of the titanium bases, particularly for the iSy implant system, must be taken into account.

The bridges can be reduced anatomically and veneered with suitable ceramics or veneering plastics prior to bonding on the titanium bases. Anatomical bridges or bridges that have been anatomically reduced and anatomically designed in combination are also available. A variety of attachments is available for bridges made of titanium or CoCr alloy (see page 88).

An advantage for bridges made of CoCr or titanium alloy on titanium bases CAD/CAM, bridge versus directly screw-retained bridges: the implant interface does not need to be cleaned of dark oxides by blasting.

Material

Titanium alloy (Ti6Al4V)
CoCr alloy
IPS e.max ZirCAD
Telio CAD

Note

The titanium bases selected in the CAD library or in the ordering portal are included and charged separately.

Bridges for non-rotation-locked titanium bases

Titanium bases are included and charged separately, attachments are charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	
iSy implant system Ø:	3.8 mm 4.4 mm 5.0 mm				
BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm	

Material: **titanium alloy** (Ti6Al4V)

Precision milled surface



IMPLANT PROSTHETICS

Bridges for titanium bases for CAMLOG and BioHorizons implant systems

Bridges for non-rotation-locked titanium bases

Titanium bases are included and charged separately, attachments are charged separately

CAMLOG implant system Ø: 3.3 mm 3.8 mm 4.3 mm 5.0 mm 6.0 mm

CONOLOG implant system Ø: 3.3 mm 3.8 mm 4.3 mm 5.0 mm

iSy implant system Ø: | 3.8 mm | 4.4 mm | 5.0 mm |

BioHorizons prosthetic platform Ø: 3.0 mm 3.5 mm 4.5 mm 5.7 mm

Material: **cobalt chrome alloy**

Precision milled surface

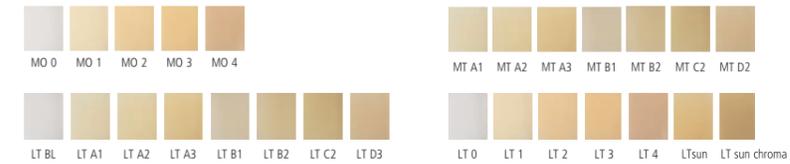
CoCr



Bridges for non-rotation-locked titanium bases

Titanium bases are included and charged separately, are delivered sintered

Material: **IPS e.max ZirCAD MO/MT/LT** (zirconium oxide, monochromatic), **MO**: only frameworks



MO = medium opacity
MT = medium translucency
LT = low translucency
BL = Bleach

Material: **IPS e.max ZirCAD MT Multi** (zirconium oxide, polychromatic), only anatomical



Multi = medium translucency, with color gradient
BL = Bleach



Bridges for non-rotation-locked titanium bases

Titanium bases are included and charged separately, for temporary use up to 12 months

Material: **Telio CAD** (PMMA)



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

Precisely fitting attachments for bars made of CoCr and titanium alloy are possible with special and corresponding CAD libraries and CAM templates



Precise implant-abutment connection

IMPLANT PROSTHETICS

Bars for titanium bases for CAMLOG and BioHorizons implant systems

DEDICAM bars for rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, bridges or BioHorizons Internal hybrid titanium bases without hexagon are available in CoCr and titanium alloys. The bar is designed with the original DEDICAM CAD library. This is executed using suitable CAD software and the corresponding module. Implant axis divergences of up to 30° to each other can be compensated.

The bar is bonded extraorally to the titanium bases on the model. Here, attention should be paid to a common insertion direction of the bar to the titanium bases. Bars on titanium bases are possible from 2 (4 for the iSy implant system) implants. The span width between the implants can be up to 30 mm.

Non-rotation-locked CAMLOG, CONELOG or iSy titanium bases CAD/CAM, bridge or BioHorizons Internal hybrid titanium bases, without hexagon, can be combined in one bar. The indication restrictions of the titanium bases, particularly for the iSy implant system, must be taken into account.

The bars can be supplied with different bar profiles and various attachments (see pages 74 - 77). For bars on two implants it is recommended to use the Dolder bar profile, ovoid in straight connection and without extensions. This allows the prosthesis to rotate around the bar axis, thus avoiding leverage forces on the implant.

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

The surface can be supplied precision milled or polished.

Note

The titanium bases selected in the CAD library or in the ordering portal are included and charged separately.

Bars for non-rotation-locked titanium bases

Titanium bases are included and charged separately, attachments are charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	

iSy implant system Ø: | 3.8 mm | 4.4 mm | 5.0 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
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Material: **titanium alloy** (Ti6Al4V)



IMPLANT PROSTHETICS

Bars for titanium bases for CAMLOG and BioHorizons implant systems

INSIGHTS

INTO PRODUCTION

Bars for non-rotation-locked titanium bases

CoCr

Titanium bases are included and charged separately, attachments are charged separately

CAMLOG implant system Ø: 3.3 mm 3.8 mm 4.3 mm 5.0 mm 6.0 mm

CONOLOG implant system Ø: 3.3 mm 3.8 mm 4.3 mm 5.0 mm

iSy implant system Ø: | 3.8 mm | 4.4 mm | 5.0 mm |

BioHorizons prosthetic platform Ø: 3.0 mm 3.5 mm 4.5 mm 5.7 mm

Material: **cobalt chrome alloy**



Your orders are manufactured on industrial high-speed milling machines. These are optimized to provide the highest possible processing accuracy, surface qualities and dynamics.

High accuracy and precision is guaranteed, even for 5-axial processing. All materials can be processed on these machines. To monitor wear or fracture of the tools used, these are subject to permanent control through integrated measuring lasers.

The milling machines are fed automatically. The use of transponders (RFID chips) allows seamless monitoring and allocation of the orders.



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

When selecting tactile model measurement by CAMLOG: optimum fit of the bridge on the model

Larger implant axis divergences can be compensated



Precisely fitting attachments are possible with special and corresponding CAD libraries and CAM templates

IMPLANT PROSTHETICS

Directly screw-retained bridges for CAMLOG and BioHorizons implant systems

DEDICAM directly screw-retained bridges are screw-retained directly to the implants without additional abutments. This reduces the complexity of the work as well as the overall costs. The directly screw-retained bridges are designed with the original DEDICAM CAD libraries using suitable CAD software with the corresponding module.

The implant connections are modified according to the construction. This allows restorations of implants with axial divergences of up to 50° to each other. The bridges are connected to the implants with the original abutment screws. The screw-retained bridge can easily be detached from the implants for inspection and care.

The directly screw-retained bridges are available from 2 (6 for the iSy implant system) to 16 units. The span width of the bridge can be up to 30 mm. Appropriate connection cross sections are to be taken into consideration. The bridges can be combined onto CAMLOG, CONELOG, iSy and BioHorizons Tapered Internal/Internal implants. This enables compensation of unfavorable implant positions/axial divergences. The anatomically reduced bridge framework can be veneered with suitable ceramics or veneering plastics.

Our free tactile model measurement service guarantees the optimum fit of the bridge onto the model. When you're ready to send the master cast with removable, continuous gingival mask and undamaged implant analogs, please contact your local DEDICAM distributor.

A variety of attachments is available for the bridges (see page 88).

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

Note

Abutment screws for the implant interfaces selected in the CAD software or the order portal are included.

Directly screw-retained bridges

incl. abutment screws, attachments are charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CAMLOG implant system PS Ø:	–	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	

iSy implant system Ø: | 3.8 mm | 4.4 mm | 5.0 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
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Material: **titanium alloy** (Ti6Al4V)

Precision milled surface



IMPLANT PROSTHETICS

Directly screw-retained bridges for CAMLOG and BioHorizons implant systems

Directly screw-retained bridges

incl. abutment screws, attachments are charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CAMLOG implant system PS Ø:	–	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONOLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	
iSy implant system Ø:	3.8 mm 4.4 mm 5.0 mm				
BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm	

Material: **cobalt chrome alloy**

Precision milled surface



CoCr

IMPLANT PROSTHETICS

Directly screw-retained bridges for other implant systems

In addition to CAMLOG and BioHorizons implants, DEDICAM directly screw-retained bridges are available for other implant systems. The bridges are designed with the original DEDICAM CAD libraries using suitable CAD software and with the corresponding module. To this purpose, it is necessary to use the scanbodies suitable for the respective implant system (see page 15). The implant connections are modified according to the construction. Depending on the implant system, this allows restorations of implants with axial divergences of up to 50° to each other.

Our free tactile model measurement service guarantees the optimum fit of the bridge onto the model. When you're ready to send the master cast with removable, continuous gingival mask and undamaged implant analogs, please contact your local DEDICAM distributor.

The abutment screws supplied, and also available separately, (see pages 92 and 93) can be used with the implant manufacturer's original screwdriver. A variety of attachments is available for the bridges (see page 88).

Directly screw-retained bridges

incl. abutment screws, attachments are charged separately

Suitable for/compatible with:

Biomet® 3i OSSEOTITE® Ø:	3.4 mm	4.1 mm	5.0/6.0 mm	
Biomet® 3i OSSEOTITE® Certain® Ø:	3.4 mm	4.1 mm	5.0/6.0 mm	
Dentsply® Implants Frialit® + XiVE® Ø:	3.4 mm	3.8 mm	4.5/5.5 mm	
Dentsply® Implants Astra Tech OsseoSpeed® TX Ø:	3.5/4.0 mm	4.5/5.0 mm		
Nobel Biocare® NobelReplace® Ø:	NP 3.5 mm	RP 4.3 mm	WP 5.0 mm	6.0 mm
Nobel Biocare® NobelActive® Ø:	NP 3.5 mm	RP 4.3/5.0 mm		
Nobel Biocare® Brånemark System® Mk III Ø:	NP 3.5 mm	RP 4.1 mm	WP 5.1 mm	
Straumann® Tissue Level Ø:	RN 4.8 mm	WN 6.5 mm		
Straumann® Bone Level Ø:	NC 3.3 mm	RC 4.1/4.8 mm		
Zimmer® Dental Screw-Vent® Ø:	3.5 mm	4.5 mm	5.7 mm	
medentis medical ICX Ø:	3.45 mm	3.75 mm	4.1 mm	4.8 mm

Material: **titanium alloy (Ti6Al4V)**

Precision milled surface

Ti

Material: **cobalt chrome alloy**

Precision milled surface

CoCr

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

Notes

Abutment screws for the implant interfaces selected in the CAD software or the order portal are included.

Names marked with ® are registered trademarks of their respective manufacturers (see page 93).

See page 15 for corresponding scanbodies

See pages 92 and 93 for corresponding abutment screws

DEDICAM

File-splitting – abutment and framework / crown

The most common CAD software programs allow the designing of abutments and frameworks or anatomical crowns in a single work step, the so-called »File Splitting«. This results in an economical advantage for implant-supported restorations of single units. Use of the original DEDICAM CAD library allows a precise fit of the single crown framework or crown to the abutment. 3Shape users who utilize this library and shipment via the Inbox™, can also use the options of file splitting.

To obtain optimum results with file splitting, the emergence profile is to be prepared prior to scanning the model.

For mesostructures for titanium bases, the emergence profile must be at least 1.5 mm in height so that the cervical shoulder is constructed true to design. If the height is less, then an exact marginal fit between the abutment and the framework/crown cannot be guaranteed. The minimum height of the emergence profile is not limited for one-piece abutments.

The mesostructure for the titanium base is designed with a emergence profile of at least 0.8 mm. Correct preparation of the cervical shoulder is important, as reworking generally requires a newly-made framework. Thus the ceramic frameworks and crowns have the required minimum wall thickness.

Material

Titanium alloy (Ti6Al4V)
CoCr alloy
IPS e.max ZirCAD
IPS e.max CAD
Telio CAD

Notes

Reworking of abutments is not possible as the fit of the framework / crown is then no longer guaranteed.

File-splitting for double crowns or from a wax-up design is not possible.



Material combinations:

One-piece abutments
Titanium alloy (Ti6Al4V) with:

Single crown frameworks/single crowns
Titanium alloy (Ti6Al4V)
CoCr alloy
IPS e.max ZirCAD
Telio CAD, anatomical

Mesostructures for titanium bases
IPS e.max ZirCAD MO/LT with:

Single crown frameworks/single crowns
IPS e.max CAD
IPS e.max ZirCAD
Telio CAD, anatomical

Mesostructures for titanium bases
IPS e.max CAD MO with:

Single crown frameworks/single crowns
IPS e.max CAD
Telio CAD, anatomical

One-piece abutments
IPS e.max ZirCAD for CERALOG with:

Single crown frameworks/single crowns
IPS e.max CAD
IPS e.max ZirCAD
Telio CAD, anatomical

Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

When selecting tactile model measurement by CAMLOG: optimum fit of the bar on the model

Larger implant axis divergences can be compensated

Precisely fitting attachments are possible with special and corresponding CAD libraries and CAM templates

All popular bar profiles are available



IMPLANT PROSTHETICS

Directly screw-retained bars for CAMLOG and BioHorizons implant systems

DEDICAM directly screw-retained bars are screw-retained directly with the implants with the included abutment screws without additional abutments. This reduces the complexity of the work as well as the overall costs. Directly screw-retained bars are designed with the original DEDICAM CAD libraries using suitable CAD software with the corresponding module. The implant connections are modified according to the construction. This allows restorations of implants with axial divergences of up to 50° to each other. The screw-retained bar can easily be detached from the implants for inspection and care.

The directly screw-retained bars are available from 2 (4 for the iSy implant system) implants. The span width between the implants can be up to 30 mm. The bars can be combined on CAMLOG, CONELOG, iSy and BioHorizons Tapered Internal/Internal implants. This enables compensation of unfavorable implant positions/axial divergences.

The bars can be supplied with different bar profiles and various attachments (see pages 74 - 77). For bars on two implants it is recommended to use the Dolder bar profile, ovoid in straight connection and without extensions. This allows the prosthesis to rotate around the bar axis, thus avoiding leverage forces on the implant.

Our free tactile model measurement service guarantees the optimum fit of the bar on the model. When you're ready to send the master cast with removable, continuous gingival mask and undamaged implant analogs, please contact your local DEDICAM distributor.

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

The surface can be supplied precision milled or polished.

Notes

Abutment screws for the implant interfaces selected in the CAD software or the order portal are included.

For available bar profiles and attachments see pages 74 – 77

Directly screw-retained bars

incl. abutment screws, attachments are charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CAMLOG implant system PS Ø:	–	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONELOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	

iSy implant system Ø: | 3.8 mm | 4.4 mm | 5.0 mm |

BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm
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Material: titanium alloy (Ti6Al4V)



IMPLANT PROSTHETICS

Directly screw-retained bars for CAMLOG and BioHorizons implant systems

Directly screw-retained bars

incl. abutment screws, attachments are charged separately

CAMLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CAMLOG implant system PS Ø:	–	3.8 mm	4.3 mm	5.0 mm	6.0 mm
CONOLOG implant system Ø:	3.3 mm	3.8 mm	4.3 mm	5.0 mm	
iSy implant system Ø:	3.8 mm 4.4 mm 5.0 mm				
BioHorizons prosthetic platform Ø:	3.0 mm	3.5 mm	4.5 mm	5.7 mm	

Material: **cobalt chrome alloy**



General note on directly screw-retained (with and without titanium bases) vs. abutment-supported bridges and bars:

We recommend checking the individual cases when designing your construction. Both restoration versions have advantages and disadvantages which should be assessed depending on the situation.

In the case of direct screw retention (with opposite indexed implant-abutment connections, modified implant connections) the restoration is only supported via the implant shoulder and the fixing screw is used for a considerable proportion of the overall force transfer. Long load arms and uniaxial distribution of the implants should be regarded critically. For this purpose, larger divergences in the implant axes can be compensated and costs for abutment parts can be saved with structures screw-retained to the implant shoulder without titanium bases.

For directly screw-retained bridges and bars we reserve in the following cases the right to refuse to produce or request a special release (see page 3) in case of:

- 1) A divergence in implant axes to a joint reference axis greater than:
 - 25° for CAMLOG and BioHorizons implant systems
 - 15° to 25° for other implant systems depending on the platform
 - 15° when using titanium bases CAD/CAM, bridge for CAMLOG implant systems or Internal hybrid titanium bases without hexagon for BioHorizons implant systems
- 2) A unilateral construction with implants generally inclined (in particular vestibular or buccal).
- 3) If the number of implants is too low and/or diameter-reduced implants, depending on the implant system to be restored

The mechanical stability of abutment-supported implant prostheses is regarded as being more beneficial. The proven CAMLOG »Passive-Fit« system shortens manufacturing time and offers the option of bonding bridges and bars virtually tension-free directly in the patient's mouth on CAMLOG and CONOLOG implants.

IMPLANT PROSTHETICS

Directly screw-retained bars for other implant systems

In addition to CAMLOG and BioHorizons implants, DEDICAM directly screw-retained bars are available for other implant systems. The bars are designed with the original DEDICAM CAD libraries using suitable CAD software and with the corresponding module. To this purpose, it is necessary to use the scanbodies suitable for the respective implant system (see page 15). The implant connections are modified according to the construction. Depending on the implant system, this allows restorations of implants with axial divergences of up to 50° to each other.

Our free tactile model measurement service guarantees the optimum fit of the bar on the implant analogs. When you're ready to send the master cast with removable, continuous gingival mask and undamaged implant analogs, please contact your local DEDICAM distributor.

The abutment screws supplied, and also available separately, can be used with the implant manufacturer's original screwdriver. The bars can be supplied with different bar profiles and various attachments. For bars on two implants it is recommended to use the Dolder bar profile, ovoid in straight connection and without extensions. This allows the prosthesis to rotate around the bar axis, thus avoiding leverage forces on the implant.

Directly screw-retained bars

incl. abutment screws, attachments are charged separately

Suitable for/compatible with:

Biomet® 3i OSSEOTITE® Ø:	3.4 mm	4.1 mm	5.0/6.0 mm	
Biomet® 3i OSSEOTITE® Certain® Ø:	3.4 mm	4.1 mm	5.0/6.0 mm	
Dentsply® Implants Frialit® + XiVE® Ø:	3.4 mm	3.8 mm	4.5/5.5 mm	
Dentsply® Implants Astra Tech OsseoSpeed® TX Ø:	3.5/4.0 mm	4.5/5.0 mm		
Nobel Biocare® NobelReplace® Ø:	NP 3.5 mm	RP 4.3 mm	WP 5.0 mm	6.0 mm
Nobel Biocare® NobelActive® Ø:	NP 3.5 mm	RP 4.3/5.0 mm		
Nobel Biocare® Brånemark System® Mk III Ø:	NP 3.5 mm	RP 4.1 mm	WP 5.1 mm	
Straumann® Tissue Level Ø:	RN 4.8 mm	WN 6.5 mm		
Straumann® Bone Level Ø:	NC 3.3 mm	RC 4.1/4.8 mm		
Zimmer® Dental Screw-Vent® Ø:	3.5 mm	4.5 mm	5.7 mm	
medentis medical ICX Ø:	3.45 mm	3.75 mm	4.1 mm	4.8 mm

Material: **titanium alloy** (Ti6Al4V)

Material: **cobalt chrome alloy**

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

The surface can be supplied precision milled or polished.

Notes

Abutment screws for the implant interfaces selected in the CAD software or the order portal are included.

For available bar profiles and attachments see pages 74 – 77

See page 15 for corresponding scanbodies

See pages 92 and 93 for corresponding abutment screws

Names marked with ® are registered trademarks of their respective manufacturers. (see page 93)

Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

Precisely fitting attachments are possible with special and corresponding CAD libraries and CAM templates

No irritation of the gingiva during try-in

When selecting tactile model measurement by CAMLOG: optimum fit of the bridge on the model

Easy inspection and care

Implant axis divergences of up to 50° to each other can be compensated

COMFOUR®

Occlusally screw-retained bridges for CAMLOG/CONOLOG bar abutments

DEDICAM occlusally screw-retained bridges for CAMLOG and CONOLOG bar abutments are fixed to the abutments with the prosthetic screws supplied. The bar abutments are selected according to the gingival height, the implant diameter and the possible implant axis divergences. In the COMFOUR® System, abutments with angles of 17° and 30° are available to compensate for implant axis divergences. The clinician can screw-retain the bar abutments in the implants and take impressions. This avoids irritation of the gingiva during try-in. Bridges on bar abutments are designed with the original DEDICAM CAD library for the COMFOUR system and the suitable CAD software with the corresponding module. Scanning is performed exclusively with the scanning caps for CAMLOG/CONOLOG bar abutments (see page 16). The occlusally screw-retained bridge can easily be detached from the bar abutments for inspection and care.

The occlusally screw-retained bridges are available from 2 to 16 units. The span width of the bridge can be up to 30 mm. Appropriate connection cross sections are to be taken into consideration. The bridges can be combined onto CAMLOG and CONOLOG bar abutments. Unfavorable implant positions/axis divergences can be compensated by angled bar abutments and the tapered contact surfaces between the bar abutment and the bridge. The bridge framework can be veneered with suitable ceramics or veneering plastics. Anatomical bridges or bridges that have been anatomically reduced and anatomically designed in combination are also available. A variety of attachments is available for the bridges (see page 88).

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

Note

Prosthetic screws for the bar abutments selected in the CAD software or in the ordering portal are included and charged separately.

Occlusally screw-retained bridges on bar abutments Ti

Prosthetic screws are included and charged separately, attachments are charged separately

CAMLOG/CONOLOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **titanium alloy** (Ti6Al4V)

Precision milled surface



Occlusally screw-retained bridges on bar abutments CoCr

Prosthetic screws are included and charged separately, attachments are charged separately

CAMLOG/CONOLOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **cobalt chrome alloy**

Precision milled surface



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

IPS e.max ZirCAD

Mesostructures for titanium bases	31
Crowns for titanium bases	35
Bridges for titanium bases	43
COMFOUR bridges, passive fit	63
Crowns and anatomical bridges	84
Frameworks for crowns and bridges	89

Telio CAD

Gingiva formers for titanium bases	33
Crowns for titanium bases, temporary	37
Bridges for titanium bases, bridge	43
COMFOUR bridges, passive fit	62
Crowns and anatomical bridges	85

No irritation of the gingiva during try-in

Easy inspection and care

Precisely fitting attachments for bridges made of CoCr and titanium alloy are possible with special and corresponding CAD libraries and CAM templates

Tension-free and maximum precision through Passive-Fit technique, also in the mouth

COMFOUR

Occlusally screw-retained bridges »Passive-Fit« for CAMLOG/CONELOG bar abutments

DEDICAM occlusally screw-retained bridges for CAMLOG and CONELOG bar abutments can be bonded passively to the titanium bonding bases for bar abutments directly in the mouth. This enables the incorporation of tension-free bridges using the tried and tested »Passive-Fit technique«. The bridges are fixed to the bar abutments with the bonded titanium bonding bases for bar abutments and the prosthetic screws. The bar abutments are selected according to the gingival height, the implant diameter and the possible implant axis divergences.

In the COMFOUR system, abutments with angles of 17° and 30° are available for compensating implant axis divergences. The clinician can screw-retain the bar abutments in the implants and take impressions. This avoids irritation of the gingiva during try-in. Bridges for bar abutments are designed with the original DEDICAM CAD library for the COMFOUR system (bonding bar abutment) and the suitable CAD software with the corresponding module. Scanning is performed exclusively with the scanning caps for CAMLOG/ CONELOG bar abutments (see page 16). The occlusally screw-retained bridge can easily be detached from the bar abutments for inspection and care.

The occlusally screw-retained bridges are available from 2 to 16 units. The span width of the bridge can be up to 30 mm. Appropriate connection cross sections are to be taken into consideration. The bridges can be combined on CAMLOG and CONELOG bar abutments. Unfavorable implant positions/axis divergences can be compensated by angled bar abutments and the tapered contact surfaces between the bar abutment and the bridge. Anatomically reduced bridges can be veneered with suitable ceramics or veneering plastics prior to bonding on the titanium bonding bases. Bridges or bridges that have been anatomically reduced and anatomically designed in combination are also available. Various attachments are available for the titanium and CoCr alloy bridges (see page 88).

Material

Titanium alloy (Ti6Al4V)
CoCr alloy
IPS e.max ZirCAD
Telio CAD

Notes

It is not necessary to send in the master cast.
Prosthetic screws and titanium bonding bases for the platforms selected in the CAD software or in the ordering portal are included and charged separately.

Occlusally screw-retained bridges for bar abutments with "Passive-Fit"

Prosthetic screws and titanium bonding bases for bar abutments are included and charged separately, attachments are charged separately

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **titanium alloy** (Ti6Al4V)

Precision milled surface



COMFOUR

Occlusally screw-retained bridges »Passive-Fit« for CAMLOG/CONELOG bar abutments

Occlusally screw-retained bridges for bar abutments with "Passive-Fit"

CoCr

Prosthetic screws and titanium bonding bases for bar abutments are included and charged separately, attachments are charged separately

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **cobalt chrome alloy**

Precision milled surface

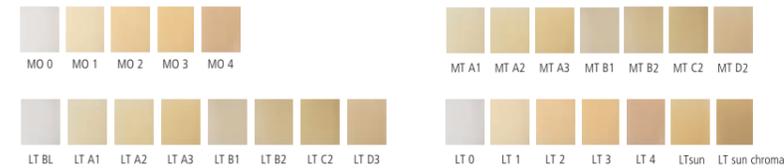


Occlusally screw-retained bridges for bar abutments with "Passive-Fit"

Prosthetic screws and titanium bonding bases for bar abutments are included and charged separately, delivered sintered

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **IPS e.max ZirCAD MO/MT/LT** (zirconium oxide, monochromatic), **MO**: only frameworks



MO = medium opacity
MT = medium translucency
LT = low translucency
BL = Bleach

Occlusally screw-retained bridges for bar abutments with "Passive-Fit"

Prosthetic screws and titanium bonding bases for bar abutments are included and charged separately, for temporary use up to 12 months

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **Telio CAD** (PMMA)



LT = low translucency
BL = Bleach



Material: **IPS e.max ZirCAD MT Multi** (zirconium oxide, polychromatic)



Multi = medium translucency, with color gradient
BL = Bleach



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91



MULTI-UNIT

Occlusally screw-retained bridges and bars for multi-unit abutments

DEDICAM occlusally screw-retained bridges and bars for multi-unit abutments from BioHorizons or Nobel Biocare are fixed on the abutments with the prosthetic screws supplied.

The structures are designed using the original DEDICAM CAD library for multi-unit abutments and the appropriate CAD software with the corresponding module.

Scanning is performed exclusively with the scanning caps for multi-unit abutments (see page 16).

Our free tactile model measurement service guarantees the optimum fit of the bridge/bar onto the model. When you're ready to send the master cast with removable, continuous gingival mask and undamaged implant analogs, please contact your local DEDICAM distributor.

The occlusally screw-retained structure can easily be detached from the abutments for inspection and care.

The occlusally screw-retained bridges are available from 2 to 16 units, bars from 2 to 10 abutments. The span width between the abutments can be up to 30 mm. Appropriate cross sections are to be taken into consideration.

Unfavorable implant positions/axis divergences can be compensated by angled abutments and the conical contact surfaces between the abutment and the structure.

The bridge framework can be veneered with suitable ceramics or veneering plastics. Anatomical bridges or bridges that have been anatomically reduced and anatomically designed in combination are also available.

Various attachments and bars in different profiles are available for the bridges and bars (see pages 74 - 77).

For bars on two implants it is recommended to use the Dolder bar profile, ovoid in straight connection and without extensions. This allows the prosthesis to rotate around the bar axis, thus avoiding leverage forces on the implant.

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

The surface of the bars can be supplied precision milled or polished.

Note

Prosthetic screws for the bar abutments selected in the CAD software or in the ordering portal are included and charged separately.

MULTI-UNIT

Occlusally screw-retained bridges and bars for multi-unit abutments

Occlusally screw-retained bridges for multi-unit abutments

BioHorizons®

original BioHorizons prosthetic screws are supplied in the packaging unit of "5 pieces" and charged separately. Does not include abutments, which are available from your local BioHorizons distributor. Attachments are charged separately

Occlusally screw-retained bridges for multi-unit abutments

Nobel Biocare®

compatible prosthetic screws with DLC coating are included and charged separately. Does not include abutments, which are available from the supplier. Attachments are charged separately.

Material: **titanium alloy** (Ti6Al4V)

Ti

Precision milled surface

Material: **cobalt chrome alloy**

CoCr

Precision milled surface



Occlusally screw-retained bars for multi-unit abutments

BioHorizons®

original BioHorizons prosthetic screws are supplied in the packaging unit of "5 pieces" and charged separately. Does not include abutments, which are available from your local BioHorizons distributor. Attachments are charged separately

Occlusally screw-retained bars for multi-unit abutments

Nobel Biocare®

compatible prosthetic screws with DLC coating are included and charged separately. Does not include abutments, which are available from the supplier. Attachments are charged separately.

Material: **titanium alloy** (Ti6Al4V)

Ti

Material: **cobalt chrome alloy**

CoCr



Platform:	3.0 mm	3.5 mm	4.5 mm	5.7 mm	BioHorizons®
Prosthetic screw:	M 1.4 BZ4018.0010 (PXMUPSR)				
Scanbody:	Art. No. D0064.5498				

Platform:	NP	RP	WP	Nobel Biocare®
Prosthetic screw:	M 1.4 Art. No. D0066.7721		M 1.8 Art. No. D0066.7722	
Scanbody:	Art. No. D0064.5498		Art. No. D0066.7717	

NOBEL BIO CARE®, NobelActive®, NobelReplace® and BRÄNEMARK SYSTEM® are registered trademarks of NOBEL BIO CARE AB, Sweden

Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

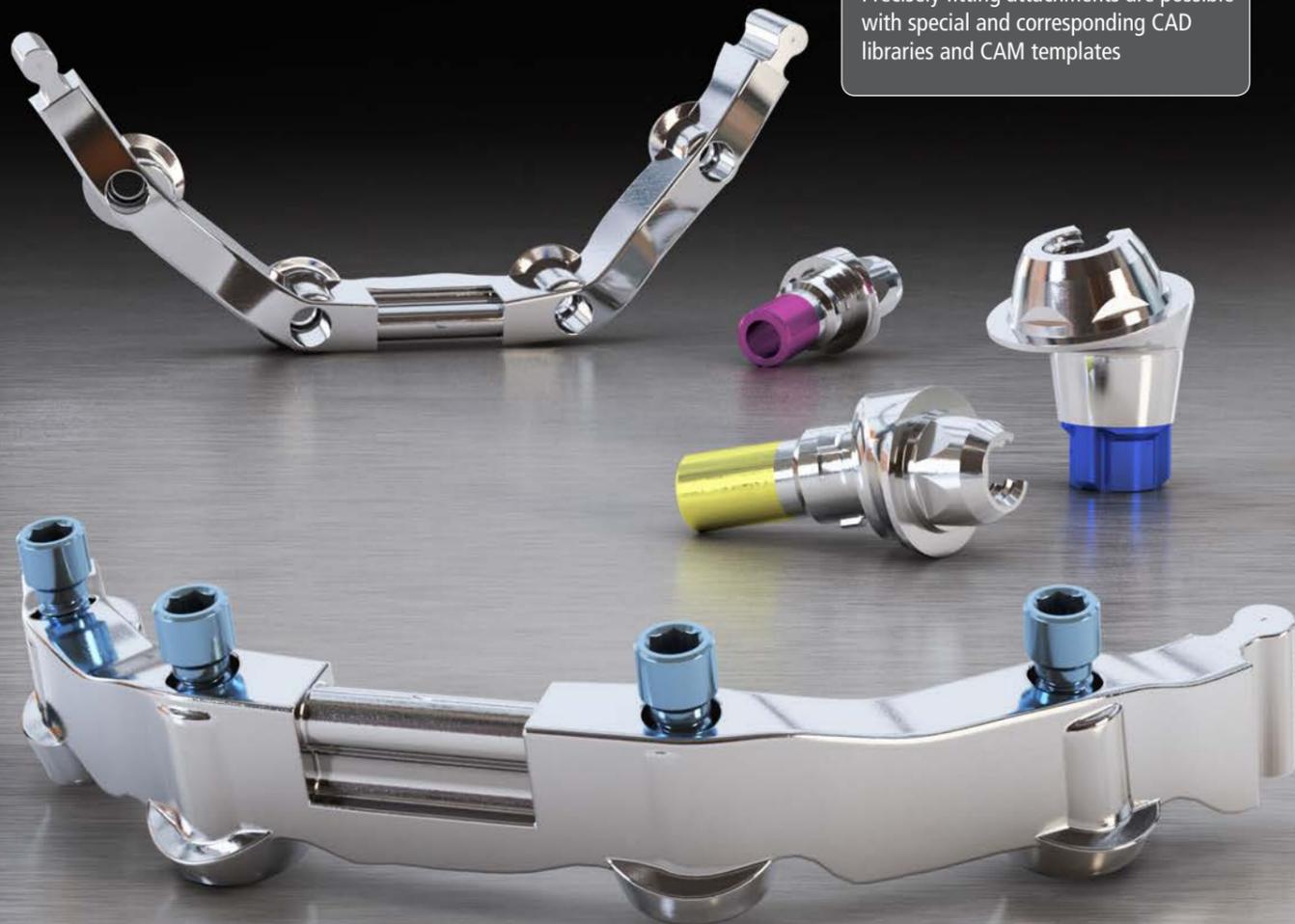
CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

Easy inspection and care

No irritation of the gingiva during try-in

Precisely fitting attachments are possible with special and corresponding CAD libraries and CAM templates



COMFOUR

Occlusally screw-retained bars for CAMLOG/CONELOG bar abutments

DEDICAM bars for CAMLOG and CONELOG bar abutments are fixed to the bar abutments with the prosthetic screws supplied. The bar abutments are selected according to the gingival height, the implant diameter and the possible implant axis divergences. In the COMFOUR system, abutments with angles of 17° and 30° are available for compensating implant axis divergences. The clinician can screw-retain the bar abutments in the implants and take impressions. This avoids irritation of the gingiva during try-in. Bars for bar abutments are designed with the original DEDICAM CAD library for the COMFOUR system and the suitable CAD software with the corresponding module. Scanning is performed exclusively with the scanning caps for CAMLOG/CONELOG bar abutments (see page 16).

Unfavorable implant positions/axis divergences can be compensated by angled bar abutments and the tapered contact surfaces between the bar abutment and the bar. The bar can easily be detached from the bar abutments for inspection and care.

Our free tactile model measurement service guarantees the optimum fit of the bar onto the model. When you're ready to send the master cast with removable, continuous gingival mask and undamaged implant analogs, please contact your local DEDICAM distributor.

Bars for bar abutments are available starting from 2 implants. The span width between the implants can be up to 30 mm. The bars can be combined on CAMLOG and CONELOG bar abutments. Bars can be supplied with different bar profiles and various attachments (see pages 74 - 77). For bars on two implants it is recommended to use the Dolder bar profile, ovoid in straight connection and without extensions. This allows the prosthesis to rotate around the bar axis, thus avoiding leverage forces on the implant.

Bars for bar abutments

Prosthetic screws are included and charged separately, attachments are charged separately

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **titanium alloy** (Ti6Al4V)

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

The surface can be supplied precision milled or polished.

Note

Prosthetic screws for the bar abutments selected in the CAD software or in the ordering portal are included and charged separately.



Bars for bar abutments

Prosthetic screws are included and charged separately, attachments are charged separately

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **cobalt chrome alloy**



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Crowns and anatomical bridges	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

Tension-free and maximum precision through Passive-Fit technique, also in the mouth

Easy inspection and care

Precisely fitting attachments are possible with special and corresponding CAD libraries and CAM templates

No irritation of the gingiva during try-in

COMFOUR

Occlusally screw-retained bars »Passive-Fit« for CAMLOG/CONELOG bar abutments

DEDICAM bars for bar abutments can be bonded passively to the titanium bonding bases for bar abutments directly in the mouth. This enables the incorporation of tension-free bars using the tried and tested »Passive-Fit technique«. The bars are fixed to the bar abutments with the bonded titanium bonding bases for bar abutments and the prosthetic screws. The bar abutments are selected according to the gingival height, the implant diameter and the possible implant axis divergences. In the COMFOUR system, abutments with angles of 17° and 30° are available for compensating implant axis divergences. The clinician can screw-retain the bar abutments in the implants and take impressions. This avoids irritation of the gingiva during try-in. Bars for bar abutments are designed with the original DEDICAM CAD library for the COMFOUR system (bonding bar abutment) and the suitable CAD software with the corresponding module. Scanning is performed exclusively with the scanning caps for CAMLOG/CONELOG bar abutments (see page 16).

Unfavorable implant positions/angulations can be compensated by angled bar abutments and the tapered contact surfaces between the bar abutment and the bar. The occlusally screw-retained bar can easily be detached from the bar abutments for inspection and care.

Bars for bar abutments are available from 2 implants. The span width between the implants can be up to 30 mm. The bars can be combined on CAMLOG and CONELOG bar abutments. The bars can be supplied with different bar profiles and various attachments (see pages 74 - 77).

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

The surface can be supplied precision milled or polished.

Notes

It is not necessary to send in the master cast.

Prosthetic screws and titanium bonding bases for the platforms selected in the CAD software or in the ordering portal are included and charged separately.

Bars for bar abutments with "Passive-Fit"

Prosthetic screws and titanium bonding bases for bar abutments are included and charged separately

Attachments are charged separately

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **titanium alloy** (Ti6Al4V)



Bars for bar abutments with "Passive-Fit"

Prosthetic screws and titanium bonding bases for bar abutments are included and charged separately

Attachments are charged separately

CAMLOG/CONELOG prosthetic platform Ø: | 4.3 mm | 6.0 mm |

Material: **cobalt chrome alloy**



QUALITY ADVANTAGE

Interfering contacts, screw seat and vibratory grinding

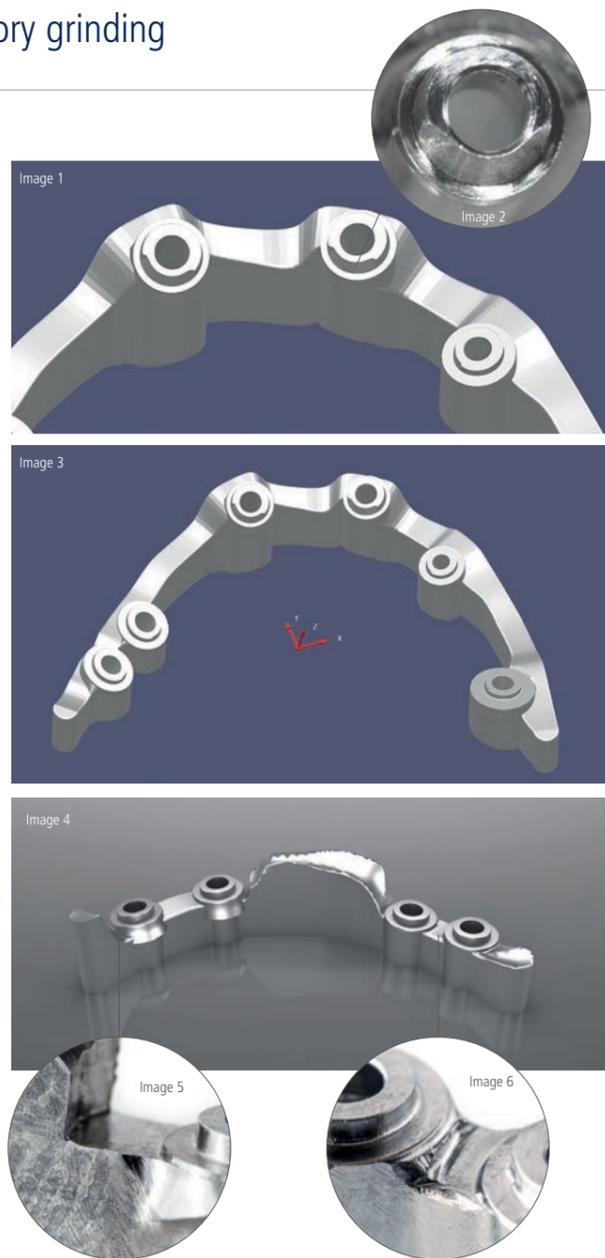
Detection of interfering contacts + milling:

The CAD files detailing the directly screw-retained bars and bridges are analyzed in the manufacturing process (CAM software) for the angulation of the implant axes, among other things. A common insertion direction is calculated here (image 3). Based on this insertion direction, the interfering contacts at the implant connections are removed individually in the case of major divergences of the implant axes (image 1).

This procedure of detecting interfering contacts and their subsequent removal through milling (image 2) gives guidance and positioning the necessary freedom on the one hand, and ensures the stability of the implant connection on the other. Divergences in the implant axes of up to 50° to each other can be compensated in this way.

The perfect fit of directly screw-retained bridges and bars on the implants is an important criterion for the durability of the restorations. In order to give a true representation of the implant connections, it may on the one hand be necessary to mill into adjacent basal surfaces in case of major divergences in implant axes or for geometries located below the implant shoulder level (image 5). On the other hand, the intermediate area between very narrowly placed implants cannot be processed according to the CAD construction. Here, the material can subsequently be removed by the customer through manual reworking with diameter-reduced milling cutters (image 6).

Under these circumstances, the milled restoration may differ from the CAD file provided.



Screw seat and vibratory grinding

The surface design and vibratory grinding

The screw seats in directly screw-retained bridges and bars are prepared with a special form cutter to achieve high contour accuracy and surface quality. This allows the screws to sit flat and minimizes the risk of screws becoming loose over the wearing period.

Special attention is to be paid to the surface design of the bridges and bars. Next to the option of a precision milled structure, we therefore offer the version of high-gloss polishing with a virtually perfect result by employing the process of vibratory grinding performed 100 percent by machines. In this process, and with a covered implant connection, the milled construction is vibrated in a solution with special granules which results in uniform abrasion and finishing of the surface.



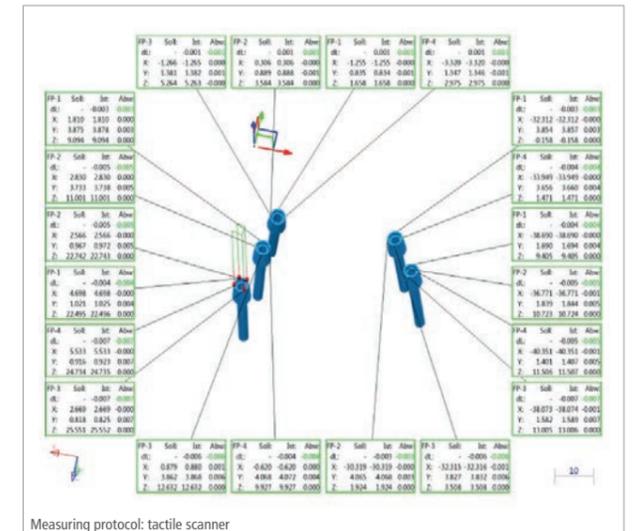
QUALITY ASSURANCE

Model measurement

Screw-retained bridges and bars made of titanium or CoCr alloys (without "Passive-Fit") on implant shoulder, bar abutments or multi-unit abutments

The optimal fit on the model is guaranteed by our free tactile model measurement service. You can select this option via the material in the CAD library or in our order portal. In this case, you will receive an e-mail after receipt of your order asking you to send us the model with removable, continuous gingival mask and undamaged implant or bar abutment analogs.

After receipt of the master cast, this is checked and measured on highly accurate tactile scanners. These data are merged into the CAD construction and compensation is made on any inaccuracies caused by various influences during the optical scan.



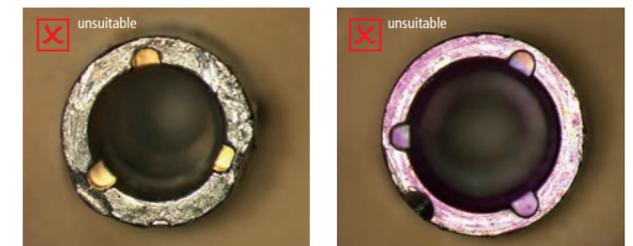
Measuring protocol: tactile scanner

The master cast must meet specific requirements:

- The implant/abutment analogs must be undamaged on the contact surface
- The model must be fitted with a continuous removable gingival mask
- For restorations at abutment level, the abutment analogs must be present on the model or the abutments must be supplied screw-retained to the undamaged implant analogs
- A print-out of the e-mail sent to you with the request to send the model must be enclosed

The master cast is returned together with the restoration ordered. With the appropriate abutment screws for directly screw-retained bridges and bars, and with prosthetic screws for occlusally screw-retained structures on abutments.

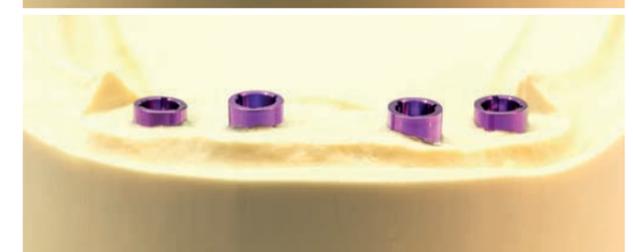
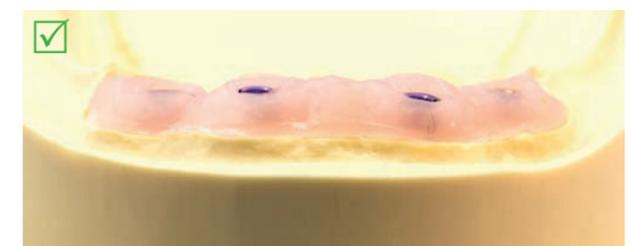
To shorten delivery times for implant bridges and bars, these can be designed on titanium bases resting on the implant shoulder or bar abutments.



Damaged lab analogs of the J-series are unsuitable for scanning



Undamaged lab analog (K-series)¹



Model with removable gingival mask

¹ Lab analogs of the CAMLOG implant system have been changed from the round grooves of the J-series to the square grooves of the K-series. The article numbers change from "J" to "K".

DEDICAM

Bar profiles and attachments

DEDICAM bridges, crown blocks and bars made of cobalt chrome or titanium alloy, as well as one-piece abutments made of titanium alloy, can be fitted with selected attachments to fix removable restorations. To provide the perfect fit of bar attachments and matrices to the bars, we have installed the geometries of common bar profiles, checked by us, in the DEDICAM CAD library. To ensure high manufacturing quality, the respective DEDICAM CAD library must be used.

Bar attachments and matrices are available from specialist dealers.



Parallel walled 2°, 4° and 6° tapered Hader® Conical, rounded Dolder U-shaped macro Dolder U-shaped micro Dolder ovoid macro Dolder ovoid micro

*Hader® is a registered trademark of H. HADER S.A., Switzerland

Male parts compatible with Preci-Horix®

use DEDICAM CAD library

Diameter: **1.85 mm**

Length: | **3.5 mm** | **5.0 mm** | **6.0 mm** | **7.0 mm** |

Preci-Horix® is a registered trademark of Alphadent N.V., Belgium



Male parts compatible with Preci-Vertix®

use DEDICAM CAD library

Diameter: **1.85 mm**

Length: | **3.5 mm** | **6.0 mm** | **8.0 mm** |

Preci-Vertix® is a registered trademark of Alphadent N.V., Belgium



Circumferential milling with Interlock and Preci-Vertix® compatible male parts

use DEDICAM CAD library

Drill hole diameter: | **1.5 mm** | **3.0 mm** |

Preci-Vertix® is a registered trademark of Alphadent N.V., Belgium



Threaded holes M1.4

for one-piece abutments, use DEDICAM CAD library, thread is compatible with "Bredent screw" with article number 33000700, available at your local Bredent distributor



Threaded holes M2.0

e.g. for Locator® bar abutment or male parts with thread M2.0 from CEKA®, use DEDICAM CAD library

LOCATOR® is a registered trademark of Zest IP Holdings, LLC, U.S.A. CEKA® is a registered trademark of Alphadent N.V., Belgium



DEDICAM

Bar profiles and attachments

Receptacles (primary components) MK1 Attachments, center-supported

use DEDICAM CAD library and select 2° conical bar profile

MK1 attachments and accessories can be obtained directly from MK1 Dental-Attachment GmbH.



Receptacles (primary components) for MK1 Attachments, terminal

use DEDICAM CAD library and select 2° conical bar profile

MK1 attachments and accessories can be obtained directly from MK1 Dental-Attachment GmbH.



DEDICAM

Bar profiles and attachments

A Locator abutment with an M2.0 thread is available for anchoring bar-supported prostheses. A suitable lab kit with a processing replacement male without resilience - since no soft tissue presses on the prosthesis -, a spacer/dublication aid and a processing replacement male as spare part are also available.

The existing Locator instruments J2253.0001 and J2253.0002 (see also CAMLOG, CONELOG or iSy product catalogs) can also be used for incorporating and removing the products.

Locator abutments with thread M2.0

Article number J2253.0501

Material: **Titanium alloy** with titanium nitrite coating, 2 pieces



Locator lab kits for bars

Article number J2253.0502

Content:

2 retention housings with processing insert yellow without resilience, 4 block out spacers white,

2 replacement male clear (polyamide), 2 replacement male pink (polyamide),

2 replacement male blue (polyamide)



Locator spacer/dublication aids

Article number J2253.0503

Material: **Polyoxymethylene**, 4 pieces



Locator processing inserts yellow, without resilience

Article number J2253.0504

Material: **Polyoxymethylene**, 4 pieces



LOCATOR® is a registered trademark of Zest IP Holdings, LLC, U.S.A.

DEDICAM PROSTHETICS

Prosthetic restorations can be mounted onto natural teeth or implant abutments. The variety of materials allows anatomical restorations for all indications. As an Authorized Milling Partner (AMP) of Ivoclar Vivadent AG, we can offer you materials that have been proven over many years and are excellently documented scientifically. These materials enable the manufacturing of temporary or long-term stable restorations for a wide range of indications using CAD/CAM technologies. As an AMP, CAMLOG provides every customer with tested design parameters for CAD software. The optimal processing parameters for the corresponding materials are used in production to manufacture precisely fitting and durable restorations.

Suitable materials are available ranging from thin veneers to anatomical bridges.

The glass-ceramics IPS Empress CAD and IPS e.max CAD as well as the zirconium oxide IPS e.max ZirCAD are available in various degrees of translucency and a wide range of tooth shades. This supports the pursuit of perfect esthetics. In the case of IPS e.max ZirCAD, the polychromatic version "MT Multi" with a natural shade gradient offers a large variety of individualization options. IPS e.max CAD is supplied in a metasilicate phase. This enables try-ins in the patient's mouth prior to crystallization in the laboratory. Individual patient results can be achieved using the cut-back or painting technique.

Telio CAD, which is available in six shades, is suitable for temporary restorations. The homogeneous structure is very stable. Incorporating reinforcements is superfluous. It does not tend to discolor like

conventionally mixed PMMA, and the residual monomer burden is extremely low for the patient.

A cobalt-chrome alloy can be used for cost-efficient anatomical restorations. Frameworks are available in IPS e.max CAD, high-strength IPS e.max ZirCAD as well as titanium and cobalt-chromium alloys.

The high level of flexibility and diversity in applications will help you to satisfy the individual wishes of your patients.



IPS Empress CAD

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IPS e.max CAD

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Crowns for titanium bases	36
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Veneers	82
Crowns and anatomical bridges	84
Crown framework	89

Tooth shades in several stages of translucency matched to the indication and the stump shade

Polychromatic IPS Empress CAD blocks permit a natural color gradient

Perfect esthetics with clinically proven materials

PROSTHETICS (anatomical)

Inlays, onlays and partial crowns

DEDICAM inlays, onlays and partial crowns are supplied in the tried and tested materials IPS Empress CAD and IPS e.max CAD. Two grades of translucency are offered in each case for perfect esthetic results. Polychromatic multi-blocks are also available for the IPS Empress CAD material. This enables a harmonious color gradient.

To obtain perfect results for tooth-supported restorations, the general and material-specific preparation guidelines are to be observed:

- Remove sufficient tooth substance
- Block out undercut cavities
- Chamfer preparations
- Avoid sharp transitions
- Observe material-specific transitions

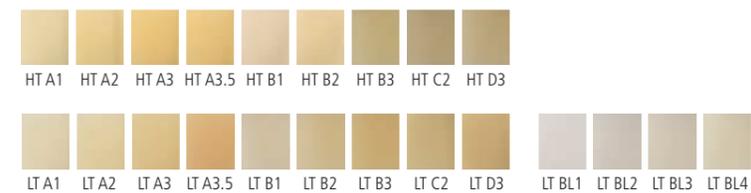
It is recommended to use the settings given in the "Parameter overview for CAD software" or the DEDICAM material libraries.

Material

IPS Empress CAD
IPS e.max CAD

Inlays, onlays and partial crowns

Material: **IPS Empress CAD LT/HT** (leucite-reinforced glass ceramic, monochromatic)



Material: **IPS Empress CAD ML** (leucite-reinforced glass ceramic, polychromatic)



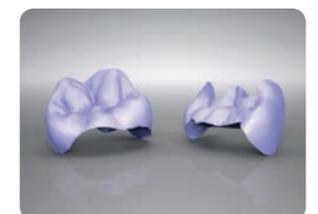
HT = high translucency
LT = low translucency
BL = Bleach

Inlays, onlays and partial crowns

supplied in metasilicate phase »blue crown«, crystallization firing required

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)

HT = high translucency, LT = low translucency, BL = bleach



PROSTHETICS (anatomical)

Veneers

DEDICAM veneers are supplied in the proven materials IPS Empress CAD and IPS e.max CAD. Two grades of translucency are offered in each case for perfect esthetic results. Polychromatic multi-blocks are also available for the IPS Empress CAD material. This enables a harmonious shade gradient. Very thin veneers are possible for minimally invasive patient treatment.

To obtain perfect results for tooth-supported restorations, the general and material-specific preparation guidelines are to be observed:

- Chamfer preparations are recommended
- Avoid sharp transitions
- Observe material-specific transitions

It is recommended to use the settings given in the "Parameter overview for CAD software" or the DEDICAM material libraries.

Veneers

Material: **IPS Empress CAD LT/HT** (leucite-reinforced glass ceramic, monochromatic)



Material: **IPS Empress CAD ML** (leucite-reinforced glass ceramic, polychromatic)



Veneers

supplied in metasilicate phase »blue crown«, crystallization firing required

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)

HT = high translucency, LT = low translucency, BL = bleach

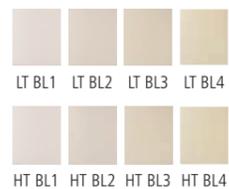


Material

IPS Empress CAD
IPS e.max CAD



HT = high translucency
LT = low translucency
BL = Bleach



PROSTHETICS (anatomical)

Crowns and anatomical bridges

DEDICAM crowns, partial crowns and anatomical bridges are supplied in a variety of tried and tested materials. This enables prosthetic restorations for different indications. Crowns in CoCr alloy are available at economical prices. A variety of ceramics is available for esthetic anatomical restorations. IPS Empress CAD, IPS e.max CAD and IPS e.max ZirCAD are ceramics that are ideally suited for long-lasting restorations.

Telio CAD is an excellent esthetic solution for temporary restorations.

To obtain perfect results for tooth-supported restorations, the general and material-specific preparation guidelines are to be observed:

- Remove sufficient tooth substance
- Block out undercut cavities
- Chamfer preparations
- Avoid sharp transitions
- Observe material-specific transitions

It is recommended to use the settings given in the "Parameter overview for CAD software" or the DEDICAM material libraries.

Anatomical crowns

Material: **titanium alloy (Ti6Al4V), precision milled**

Material

Titanium alloy (Ti6Al4V)
CoCr alloy
IPS e.max ZirCAD
IPS e.max CAD
IPS Empress CAD
Telio CAD



Anatomical crowns

Material: **cobalt chrome alloy, precision milled**



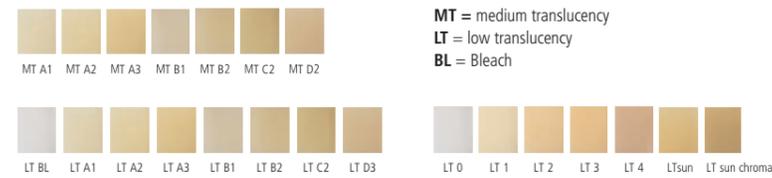
PROSTHETICS (anatomical)

Crowns and anatomical bridges

Anatomical crowns and bridges

up to 16 units, with a maximum of two pontics between the natural stumps/abutments, are supplied sintered

Material: **IPS e.max ZirCAD MT/LT** (zirconium oxide, monochromatic)



Material: **IPS e.max ZirCAD MT Multi** (zirconium oxide, polychromatic)

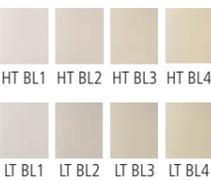


Anatomical crowns

two degrees of translucency are available for perfect esthetic results, supplied in the metasilicate phase "blue crown", crystallization firing required

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)

HT = high translucency, LT = low translucency, BL = bleach



Anatomical crowns

only available as single crown

Material: **IPS Empress CAD LT** (leucite-reinforced glass ceramic, monochromatic)

LT = low translucency, BL = bleach



Material: **IPS Empress CAD ML** (leucite-reinforced glass ceramic, polychromatic)



Anatomical crown blocks and bridges

2- or 3-unit crown block or 3-unit bridge without screw channels, on natural stumps or abutments up to region 5, supplied in metasilicate phase "blue crown", crystallization firing required

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)



Anatomical crowns and bridges

up to 16 units, with a maximum of two bridge pontics between the natural stumps/abutments, for temporary use up to 12 months

Material: **Telio CAD** (PMMA)



A large variety of materials for all prosthetic indications

PROSTHETICS

Frameworks for crowns and bridges

DEDICAM crown and bridge frameworks are supplied in four tried and tested materials that stand for reliability and durability for all prosthetic indications.

IPS e.max CAD and IPS e.max ZirCAD are suitable for esthetic full-ceramic restorations.

A CoCr alloy or titanium alloy can be used as metal framework material. A variety of attachments is available for these bridge frameworks. Due to the similar nature of the material, frameworks made of titanium alloy are particularly suitable as structures on titanium abutments.

To obtain perfect results for tooth-supported restorations, the general and material-specific preparation guidelines are to be observed. The "Parameter overview for CAD software" or the DEDICAM material libraries are recommended for this purpose:

- Remove sufficient tooth substance
- Block out undercut cavities
- Chamfer preparations
- Avoid sharp transitions

Material

Titanium alloy (Ti6Al4V)
CoCr alloy
IPS e.max ZirCAD
IPS e.max CAD

Note

Frameworks for crown blocks/bridges can be supplied with different attachments (see page 88)

Crown and bridge frameworks Ti

up to 16 units, span width between the natural stumps/abutments max. 30 mm, attachments are charged separately

Material: **titanium alloy (Ti6Al4V), precision milled**



Crown and bridge frameworks CoCr

up to 16 units, span width between the natural stumps/abutments max. 30 mm, attachments are charged separately

Material: **cobalt chrome alloy, precision milled**



ATTACHMENTS

Bridges and crown blocks made of cobalt chrome or titanium alloy can be fitted with selected attachments to fix removable restorations. To ensure high manufacturing quality, the respective DEDICAM CAD library must be used.

Matrices are available from specialist dealers.

Circumferential milling with Interlock and Preci-Vertex® compatible male parts

use DEDICAM CAD library

Drill hole diameter: **1.5 mm | 3.0 mm**

Preci-Vertex® is a registered trademark of Alphadent N.V., Belgium



Male parts compatible with Preci-Vertex®

use DEDICAM CAD library

Diameter: **1.85 mm**

Length: **3.5 mm | 6.0 mm | 8.0 mm**

Preci-Vertex® is a registered trademark of Alphadent N.V., Belgium



Receptacles (primary components) for MK1 Attachments, terminal

use DEDICAM CAD library

MK1 attachments and accessories can be obtained directly from MK1 Dental-Attachment GmbH.



PROSTHETICS

Frameworks for crowns and bridges

Crown and bridge frameworks

up to 16 units, with a maximum of two pontics between the abutments, are supplied sintered

Material: **IPS e.max ZirCAD MO/LT** (zirconium oxide, monochromatic)



MO = medium opacity
LT = low translucency
BL = Bleach



Crown frameworks

only for single teeth, not available in bridge combination, supplied in metasilicate phase "blue crown", crystallization firing required

Material: **IPS e.max CAD** (lithium disilicate glass ceramic)



MO = medium opacity



Titanium | Ti6Al4V

One-piece abutments	11
One-piece gingiva formers	23
Bridges for titanium bases	41
Bars for titanium bases	45
Directly screw-retained bridges	49
Directly screw-retained bars	55
COMFOUR bridges	59
COMFOUR bridges, passive fit	61
Bridges and bars for multi-unit abutments	66
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

CoCr alloy

Bridges for titanium bases	42
Bars for titanium bases	46
Directly screw-retained bridges	50
Directly screw-retained bars	56
COMFOUR bridges	59
COMFOUR bridges, passive fit	62
Bridges and bars for multi-unit abutments	67
COMFOUR bars	69
COMFOUR bars, passive fit	71
Anatomical crowns	83
Frameworks for crowns and bridges	87
Double crowns	91

High surface quality of the contact surfaces

Abutment optionally available with one or two bonding retentions (not via the "Dental Manger" ordering portal)



PROSTHETICS

Double crowns

DEDICAM primary and secondary components for double crowns are designed on the basis of their own scans, using suitable CAD software and - if compatible with the CAD software used - the original DEDICAM material library.

Primary components can be bonded both to tooth stumps as well as abutments, secondary components to removable prosthetic tooth restorations.



Secondary parts are only compatible with DEDICAM primary parts and must be adapted due to tolerances during scanning and manufacturing. The desired friction is to be evaluated on a case-by-case basis. The application of scan spray in an optical scan results in inaccuracies. A tactile scan promises greater precision. This is used in our Scan & Design Service. The adjacent image gives you an impression of the fit you can expect on delivery.

To achieve the desired shape congruence between primary and secondary parts, the product-specific design parameters in the DEDICAM material library or from the design instructions must be observed.

3Shape Inbox users can design the abutments with either one or two bonding retentions for easy further processing. The bonding retentions are available as attachments in the DEDICAM CAD library for 3Shape and are charged separately for the secondary crown.

Primary components for double crowns

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **cobalt chrome alloy, precision milled**

Secondary parts for double crowns

only compatible with DEDICAM primary parts, due to tolerances during scanning and in production, fitting to the primary components is necessary

Material: **titanium alloy (Ti6Al4V), precision milled**

Material: **cobalt chrome alloy, precision milled**

Material

Titanium alloy (Ti6Al4V)
CoCr alloy

Notes

Not available with file-splitting.

The software-specific parameters in the material library or the instructions are to be observed for design purposes.

One-piece abutments and mesostructures made of zirconium oxide for titanium bases can also be designed as primary components.



OVERVIEW OF SCREWS AND ANALOGS

of the implant systems to be restored with DEDICAM

Abutment screws and implant analogs for printed models

for abutments; bridges and bars, occlusally screw-retained on implant shoulder

Manufacturer	Implant system	Platform or implant Ø [mm]	Implant analog, article number	Abutment screw, article number	Abutment screw, top and side view	Thread dimension/torque [Ncm]	
CAMLOG	CAMLOG®	3.3	K3025.3300 (original) K3012.3300 (NT)	J4005.1601		M1.6 / 20	
		3.8	K3025.3800 (original) K3012.3800 (NT)				
		4.3	K3025.4300 (original) K3012.4300 (NT)				
		5.0	K3025.6000 (original) K3012.6000 (NT)				
	CONELOG®	CONELOG®	3.3	C3025.3300 (original) C3012.3300 (NT)	C4005.1601		M1.6 / 20
			3.8	C3025.4300 (original) C3012.4300 (NT)			
			4.3	C3025.5000 (original) C3012.5000 (NT)			
	iSy®	iSy®	3.8	P3010.7012	P4005.1614		M1.6 / 20
			4.4				
	CERALOG® Hexalobe	CERALOG® Hexalobe	5.0	H3020.4500	H4001.1600		M1.6 / 25
			4.5				
	BioHorizons®	Tapered Internal + Internal	3.0	D3012.3012	BZ4015.0010 (single tooth) BZ4008.0010 (bridges and bars)		M1.8 / 30
			3.5	D3012.3512			
4.5			D3012.4512				
5.7			D3012.5712				
Biomet® 3i	OSSEOTITE®	3.4	D3012.3401	D0064.5658		M2.0 / 35	
		4.1	D3012.4101				
		5.0/6.0	D3012.5001				
	OSSEOTITE® Certain®	OSSEOTITE® Certain®	3.4	D3012.3402	D0064.5657		M1.6 / 20
			4.1	D3012.4102			
			5.0/6.0	D3012.5002			
Dentsply® Implants	FRIALIT® + XIVE®	3.4	D3012.3403	D0066.7551		M1.6 / 24	
		3.8	D3012.3803				
		4.5	D3012.4503				
		5.5	D3012.5503				
	Astra Tech OsseoSpeed® TX	Astra Tech OsseoSpeed® TX	3.5/4.0	D3012.4004	D0064.5655		M1.6 / 20
4.5/5.0			D3012.5504	D0064.5656		M2.0 / 25	
Nobel Biocare®	Brånemark System® Mk III	Narrow Platform (NP) 3.5	D3012.3505	D0064.5659		M1.6 / 35	
		Regular Platform (RP) 4.1	D3012.4105	D0064.5660		M2.0 / 35	
		Wide Platform (WP) 5.1	D3012.5105	D0064.5661		M2.5 / 35	
	NobelActive®	NobelActive®	Narrow Platform (NP) 3.5	D3012.3506	D0064.5664		M1.6 / 35
			Regular Platform (RP) 4.3/5.0	D3012.5006	D0064.5665		M2.0 / 35
	NobelReplace®	NobelReplace®	Narrow Platform (NP) 3.5	D3012.3507	D0064.5662		M1.8 / 35
			Regular Platform (RP) 4.3	D3012.4307			
			Wide Platform (WP) 5.0	D3012.5007			
			6.0	D3012.6007			

Manufacturer	Implant system	Platform or implant Ø [mm]	Implant analog, article number	Abutment screw, article number	Abutment screw, top and side view	Thread dimension/torque [Ncm]
Straumann®	Tissue Level	Regular Neck (RN) 4.8	D3012.4808	D0064.5666		M2.0 / 35
		Wide Neck (WN) 6.5	D3012.6508			
	Bone Level	Narrow CrossFit® (NC) 3.3	D3012.3309	D0064.5667		M1.6 / 35
		Regular CrossFit® (RC) 4.1 + 4.8	D3012.4809			
Zimmer® Dental	Screw-Vent®	3.5	D3012.3510	D0064.5668		M1.8 / 30
		4.5	D3012.4510			
		5.7	D3012.5710			
medentis medical	ICX	3.45	D3012.4811	D0068.4860		M1.6 / 30
		3.75				
		4.1				
		4.8				

Prosthetic screws and abutment analogs for printed models

for abutments; bridges and bars, occlusally screw-retained on abutments

Manufacturer	Abutments	Platform-Ø [mm]	Bar abutment analog, article number	Prosthetic screw, article number	Prosthetic screw, top and side view	Thread dimension/torque [Ncm]
CAMLOG	CAMLOG®+ CONELOG® Bar abutments	4.3	J3025.4300	J4012.1601		M1.6 / 15
		6.0	J3025.6000	J4012.2001		M2.0 / 15
BioHorizons®	Multi-Unit abutments	3.0	-	BZ4018.0010 (5 units)		M1.4 / 15
		3.5				
		4.5				
		5.7				
Nobel Biocare®	Multi-Unit abutments	Narrow Platform (NP) 3.5 + Regular Platform (RP) 4.3	-	D0066.7721		M1.4 / 15
		Wide Platform (WP) 5.0	-	D0066.7722		M1.8 / 15

Reference to registered trademarks (status July 2018)

BioHorizons® is a registered trademark of BioHorizons Implant System Inc., U.S.A.
 BIOMET®, OSSEOTITE® and CERTAIN® are registered trademarks of Biomet 3i, LLC, U.S.A.
 DENTSPLY®, OsseoSpeed™ and XIVE® are registered trademarks of Dentsply IH AB, Sweden
 FRIALIT® is a registered trademark of FRIATEC Aktiengesellschaft, Germany

NOBEL BIO-CARE®, NobelActive®, NobelReplace® and BRÄNEMARK SYSTEM® are registered trademarks of NOBEL BIO-CARE AB, Sweden
 Straumann® is a registered trademark of Straumann Holding AG, Switzerland
 ZIMMER® and SCREW-VENT® are registered trademarks of Zimmer Inc., U.S.A.

MATERIAL

Information

Titanium alloy (Ti6Al4V ELI): for one-piece abutments and gingiva formers

Type of alloy: titanium Grade 23, according to Standard ASTM F136

Physical properties:	
Density	4.43 g /cm ³
CTE value (25 – 500 °C)	9 x 10 ⁻⁶ K ⁻¹
Tensile strength	> 860 MPa
0.2% elongation limit	> 795 MPa
Elongation at break	> 10 %
Melting point	1590-1670°C

Chemical structure (mass percentages)			
AL	V	Others	Ti
5.5-6.5%	3.5-4.5%	< 0.4%	Rest

Indications:

One-piece abutments and one-piece gingiva formers

Titanium alloy (Ti6Al4V): for crowns, bridges, bars and secondary bar structures

Type of alloy: titanium Grade 5 Type 4, according to Standard ISO 22674

Physical properties:	
Modulus of elasticity	110 GPa
Density	4.43 g /cm ³
Vickers hardness	350 HV 5/30
CTE value (25 – 500 °C)	10.3 x 10 ⁻⁶ K ⁻¹
Tensile strength	≥ 860 MPa
0.2% elongation limit	≥ 780 MPa
Elongation at break	10%
Melting point	1610-1650°C

Chemical structure (mass percentages)			
AL	V	Fe, O ₂	Ti
5.5-6.75%	3.5-4.5%	≤ 1.0%	≥ 88%

Indications:

Anatomical anterior and posterior crowns, bridges, single-tooth and bridge frameworks cemented on abutments or tooth stumps, bridges and bars screw-retained on implant shoulders or abutments, bar supported frameworks for suprastructures (secondary bar structures)

Cobalt chrome alloy (CoCr): cobalt-based non-precious metal dental alloy, for furnace firing

Type of alloy: Type 4, according to Standard ISO 22674

Physical properties:	
Density	8.4 ± 0.2 g/cm ³
Modulus of elasticity	≥ 190 GPa
CTE value (25 – 500 °C)	14.4 ± 0.5 x 10 ⁻⁶ K ⁻¹
0.2% elongation limit	≥ 360 MPa
Elongation at break	≥ 2%

Chemical structure (mass percentages)						
Co	Cr	Mo	Mn	Si	Fe	Nb
63.0 ± 2.0%	29.0 ± 2.0%	6.0 ± 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%

Indications:

Anatomical anterior and posterior crowns, bridges, single-tooth and bridge frameworks cemented on abutments or tooth stumps, bridges and bars screw-retained on implant shoulders or abutments, bar supported frameworks for suprastructures (secondary bar structures)

MATERIAL

Information

IPS e.max ZirCAD MO/LT: pre-sintered, yttrium-stabilized, monochromatic zirconium oxide



Type / Class (ISO 6872:2015): Type II / Class 5

Physical properties, according to ISO 6872	
CTE (25 – 500 °C)	$10.5 \pm 0.5 \times 10^{-6} \text{ K}^{-1}$
Transversal strength	$\geq 900 \text{ MPa}$ (typical mean value: MO: 1150 MPa; LT: 1200 MPa)
Fracture toughness	$> 5.1 \text{ MPa m}^{0.5}$
Modulus of elasticity	210 GPa
Vickers hardness	$\geq 12500 \text{ MPa}$
Chemical solubility:	$< 100 \mu\text{g/cm}^2$

Chemical structure (mass percentages)				
ZrO ₂	Y ₂ O ₃	HfO ₂	Al ₂ O ₃	Other oxides
88.0 – 95.5%	4.5 – 6.0%	$\leq 5.0\%$	$\leq 1.0\%$	$\leq 1.0\%$

Indications:

Crown and bridge frameworks cemented to tooth stumps or bonded to abutments or titanium bases or also anatomical crowns and bridges in translucency degree LT, one-piece abutments for CERALOG

For available shades, according to constructions, please see shade overview (page 99)

IPS e.max ZirCAD MT/MT Multi: pre-sintered, yttrium-stabilized, monochromatic (MT) or polychromatic (MT Multi) zirconium oxide



Type / Class (ISO 6872:2015): Type II / Class 4

Physical properties, according to ISO 6872	
CTE (25 – 500 °C)	$10.4 \pm 0.5 \times 10^{-6} \text{ K}^{-1}$
Transversal strength	$\geq 700 \text{ MPa}$ (typical mean value: 850 MPa)
Fracture toughness	$> 3.6 \text{ MPa m}^{0.5}$
Modulus of elasticity	210 GPa
Vickers hardness	$\geq 12500 \text{ MPa}$
Chemical solubility:	$< 100 \mu\text{g/cm}^2$

Chemical structure (mass percentages)				
ZrO ₂	Y ₂ O ₃	HfO ₂	Al ₂ O ₃	Other oxides
86.0 – 93.5%	6.5 – 8.0%	$\leq 5.0\%$	$\leq 1.0\%$	$\leq 1.0\%$

Indications:

Crown and bridge frameworks cemented to tooth stumps or bonded to abutments or titanium bases, anatomical crowns and bridges up to three units

For available shades, according to constructions, please see shade overview (page 99)

IPS e.max CAD: lithium disilicate (LS₂) glass ceramic



Physical properties, according to ISO 6872	
CTE (25 – 500 °C)	$10.2 \pm 0.5 \times 10^{-6} \text{ K}^{-1}$
Transversal strength	$> 360 \text{ MPa}$
Fracture toughness	$2.25 \text{ MPa m}^{0.5}$
Modulus of elasticity	95 GPa
Vickers hardness	5800 MPa
Chemical solubility:	$< 100 \mu\text{g/cm}^2$
Crystallization temperature	840 – 850 °C

Indications:

Cemented veneers, inlays, onlays, partial crowns, single crowns, single tooth frameworks, 2 and 3-units crown blocks and 3-units anatomical bridges up to regio 5, mesostructures and crowns bonded to titanium bases

For available shades, according to constructions, please see shade overview (page 100)



IPS Empress CAD: leucite-reinforced glass ceramic



Physical properties:	
Transversal strength	160 MPa
Hardness	6200 MPa
CTE value (100 – 400 °C)	$16.6 \times 10^{-6} \text{ K}^{-1}$
CTE value (100 – 500 °C)	$17.5 \times 10^{-6} \text{ K}^{-1}$
Modulus of elasticity	62 GPa
Chemical solubility:	$25 \mu\text{g/cm}^2$

Indications:

Cemented veneers, inlays, onlays, partial crowns, single tooth crowns

For available shades, according to constructions, please see shade overview (page 100)



MATERIAL

Information

Telio CAD: polymethylmethacrylate (PMMA), stained



Physical properties, following ISO 10477	
Transversal strength	130 ± 10 MPa
Flexural modulus	3200 ± 300 MPa
Ball indentation hardness	180 ± 5 MPa
Vickers hardness	190 ± 5
Water absorption	< 28 µg/mm ³
Water solubility	< 0.6 µg/mm ³

Indications:

Temporary crowns and bridges bonded to tooth stumps or abutments (max. 12 months), gingiva formers, crowns and bridges bonded to titanium bases



For available shades, please see shade overview (page 101)

OVERVIEW

Shades and grades of translucence

IPS e.max® ZirCAD MO (medium opacity, monochromatic)	
Design	Available shades and grades of translucence
Mesostructures, crowns and bridge frameworks for titanium bases	 MO 0 MO 1 MO 2 MO 3 MO 4
Crown and bridge frameworks	 MO 0 MO 1 MO 2 MO 3 MO 4

	Bleaching																			
IPS e.max® ZirCAD, medium opacity (MO), basic shades	MO 0				MO 1				MO 2		MO 3				MO 4					
Tooth shade VITA® shade guide	BL 1	BL 2	BL 3	BL 4	A 1	B 1	B 2	C 1	A 2	D 2	A 3	A 3.5	B 3	B 4	A 4	C 2	C 3	C 4	D 3	D 4

IPS e.max® ZirCAD LT (low translucency, monochromatic)	
Design	Available shades and grades of translucence
Mesostructures, crowns and bridges for titanium bases, framework or anatomical	 LT BL LT A1 LT A2 LT A3 LT B1 LT B2 LT C2 LT D2 LT 0 LT 1 LT 2 LT 3 LT 4 LT sun LT sun chroma
Crowns and bridges, framework or anatomical	 LT BL LT A1 LT A2 LT A3 LT B1 LT B2 LT C2 LT D2 LT 0 LT 1 LT 2 LT 3 LT 4 LT sun LT sun chroma

	Bleaching																													
IPS e.max® ZirCAD, low translucency (LT), basic shades	LT 0				LT 1				LT 2				LT 3		LT 4				LT sun				LT sun chroma							
Basic shades Tooth shade VITA® shade guide	BL 1	BL 2	BL 3	BL 4	A 1	A 2	B 1	B 2	C 1	A 3	C 2	C 3	D 2	D 3	D 4	B 3	B 4	A 3.5	A 4	C 4	A 1	A 2	A 3	B 2	B 3	B 4	D 2	D 3	A 3.5	A 4

IPS e.max® ZirCAD MT (medium translucency, monochromatic)	
Design	Available shades and grades of translucence
Crowns and bridges for titanium bases, anatomical	 MT A1 MT A2 MT A3 MT B1 MT B2 MT C2 MT D2
Crowns and bridges, anatomical	 MT A1 MT A2 MT A3 MT B1 MT B2 MT C2 MT D2

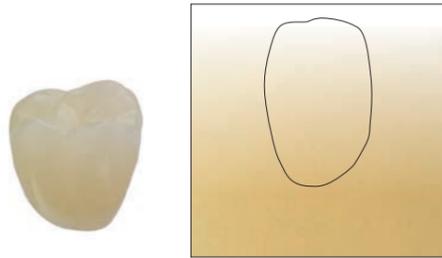
IPS e.max® ZirCAD MT Multi (medium translucency, polychromatic)	
Design	Available shades and grades of translucence
Crowns and bridges for titanium bases, anatomical	 Multi BL1 Multi A1 Multi A2 Multi A3 Multi B1 Multi B2 Multi C2 Multi D2
Crowns and bridges, anatomical	 Multi BL1 Multi A1 Multi A2 Multi A3 Multi B1 Multi B2 Multi C2 Multi D2

OVERVIEW

Shades and grades of translucence

Multi-blocks

Highlights of the IPS e.max® ZirCAD and IPS Empress® CAD product range are the polychromatic multi-blocks, which deliver restorations with maximum esthetics and naturalness due to their natural shade and fluorescence gradient from dentine to the incisal area, even without characterization.



Positioning of restorations in polychromatic multi-blocks

Restorations manufactured from IPS e.max® ZirCAD MT Multi or IPS Empress® CAD Multi and thus with a clearly visible enamel area are always positioned with their incisal edge or cusp tip as close as possible to the upper block edge in the manufacturing center.

IPS Empress® CAD	
Design	Available shades and grades of translucence LT: low translucency HT: high translucency ML: Multi (polychromatic)
Veneers, inlays, onlays and partial crowns	
Crowns, anatomical	

IPS e.max® CAD	
Design	Available shades and grades of translucence MO: medium opacity LT: low translucency HT: high translucency
Mesostructures for titanium bases	
Crowns for titanium bases, anatomical	
Crown frameworks	
Veneers, inlays, onlays, crowns and partial crowns	
Splinted crowns and bridges, anatomical	

		Bleaching																			
IPS e.max® CAD, medium opacity (MO), basic shades		MO 0				MO 1	MO 2	MO 3	MO 1	MO 3	MO 1	MO 4				MO 3					
Tooth shade VITA® shade guide		BL1	BL2	BL3	BL4	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4

IPS e.max® ZirCAD for CERALOG®	
Design	Available shades MO = medium opacity
One-piece abutments and gingiva formers	

		Bleaching					
IPS e.max ZirCAD for CERALOG, basic shades		MO 0				MO 1	
Tooth shade VITA® shade guide		BL1	BL2	BL3	BL4	A1	A2

Telio® CAD	
Design	Available shades LT = low translucency
Crowns, bridges, anatomical and gingiva formers for titanium bases	
Crowns and bridges, anatomical	

PRODUCT PORTFOLIO

PROSTHETICS

	Titanium	CoCr	IPS e.max® ZirCAD for CERLOG®	IPS e.max® ZirCAD MO/LT	IPS e.max® ZirCAD MT/MT Multi	IPS e.max® CAD	IPS Empress® CAD	Telio® CAD
One-piece abutments	2 ²		6					
One-piece gingiva former	2		6					
Gingiva former for titanium bases ³								2
Mesostructures for titanium bases ³				2		2		
Crowns for titanium bases ³				2 ¹⁴	2	2		2
Bridges ⁴ , 2-16 units, screwed onto implant shoulders or abutments ⁶	4/5 ^{5,7}	4/5 ^{5,7}						
Bridges ⁸ , 2-16 units, screwed onto bar abutments ⁶ with "Passive-Fit" titanium bonding bases ⁹	3 ⁵	3 ⁵		2/3 ^{11,14}	2 ¹⁶			2
Bridges ⁸ , 2-16 units, for titanium bases ³ on implant shoulders	3 ⁵	3 ⁵		2/3 ^{11,14}	2 ¹⁶			2
Bars ^{4,10} , screwed onto implant shoulders or abutments ⁶	4/5 ⁷	4/5 ⁷						
Bars ^{8,10} , screwed onto bar abutments ⁶ with "Passive-Fit" titanium bonding bases ⁹	3	3						
Bars ^{8,10} , for titanium bases ³ on implant shoulders	3	3						
Bars with suprastructures ¹²	15 ¹³	15 ¹³						
Crown frameworks on tooth stumps or abutments	2	2		2		2		
Bridge frameworks, 2-16 units, on tooth stumps or abutments	2 ⁵	2 ⁵		2/3 ¹¹		2 ¹⁶		
Veneers						2	2	
Inlays, onlays and partial crowns						2	2	
Crowns	2	2		2 ¹⁴	2	2	2	2
Double crowns ¹⁵	2	2						
Bridges full contour, 2-3 units, on tooth stumps or abutments	2 ⁵	2 ⁵		2 ¹⁴	2	2		2
Bridges full contour, 4-16 units, on tooth stumps or abutments	2 ⁵	2 ⁵		2/3 ^{11,14}				2

¹ On receipt of error-free data or release of the design from the Scan und Design Service by 12 noon. The day on which the data is received or released is not counted as a working day.

² Available attachment: Threaded bore M1.4, compatible with "Bredent screw"

³ Included in delivery for CAMLOG®, CONELOG® and iSy® as well as BioHorizons Tapered Internal and Internal implant systems

⁴ Sending the master cast to CAMLOG is optional. No guarantee of fit if the model is not checked at CAMLOG

⁵ Available attachments: Male part for Preci-Vertix®, Interlock with bore diameter of 1.5 or 3.0 mm with rotation and male part for Preci-Vertix®, holding fixture (primary part) for MK1 attachment

⁶ Not included in the scope of delivery

⁷ 4 working days if the model is not checked at CAMLOG. As a result, there is no guarantee of fit! 5 working days if the model is to be checked and after CAMLOG's receipt of the error-free master cast. Day of delivery is not counted as a working day.

⁸ No need to send the master cast to CAMLOG

⁹ Included in the scope of delivery

¹⁰ Available bar profiles: Parallel; Conical 2, 4, 6°; Conically rounded; Hader; Dolder U-shape; Dolder ovoid.
Available attachments: Male part for Preci-Horix® and Preci-Vertix® female part, threaded hole M2.0, e.g. for Locator® bar abutment or male part M2.0 from CEKA®, holding fixture (primary part) for MK1 attachment

¹¹ 2 working days for 2-4 units

¹² Only available via DEDICAM® Scan and Design Service

¹³ Without design approvals

¹⁴ Recommendation for full contour: IPS e.max® ZirCAD LT

¹⁵ Secondary crowns are only available on DEDICAM® primary crowns. Bonding connectors optional available.

¹⁶ Up to 3 units

Examples for delivery time calculation:

Data upload/receipt of model on Monday by 12 noon:
 - Titanium abutment: Delivery on Wednesday*
 - Bar/Bridges for titanium bases: Delivery on Thursday*
 - Bar/Bridges on implant shoulder: Delivery on Friday (without model check) or on the following Monday (with model check)*

* until 5 p.m., depending on UPS route planning

FURTHER DOCUMENTATION

FURTHER INFORMATION ON CAMLOG PRODUCTS CAN BE FOUND IN THE FOLLOWING DOCUMENTS:

- DEDICAM Instructions for Use
- Instructions for Use and working instructions for the CAMLOG, CONELOG, CERLOG and iSy implant systems

The documents are available from the local CAMLOG representative.

See also: www.camlog.com
<https://ifu.camlog.com>

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