

# Product catalog no. 14



**YES!**



**I WANT  
IMPLANTS  
FROM DENTAURUM.**

More than 25 years of expertise, reliability and innovation in implantology – worldwide. Say yes!

Dear customer,

For more than 135 years, Dentaurum has placed its focus on outstanding quality, continued development, groundbreaking innovations and a high level of responsibility. The same values apply also to Dentaurum Implants. The affiliate has been developing and marketing products for dental implantology for more than 25 years.

These products complement the wide product range from the fields of orthodontics, ceramics and dental prosthetics. The synergies this creates are used to make our products more intuitive, more functional and more user-friendly. We pay attention to conserving resources during production processes in accordance with DIN EN ISO 14001 and EMAS.

In this catalog we will show you some clever solutions for implantology. We are continually improving and extending our product range whilst keeping to a clear system and adapting our products to your analog and digital requirements. All the information relevant to your day-to-day work is available quickly and reliably.

At [www.dentaurum.com](http://www.dentaurum.com), you can find more information on our comprehensive product range and our courses, and you can contact our customer service directly. We are also happy to assist you in your company.

We look forward to working together with you!

With best regards from Ispringen

Mark Stephen Pace

Claudia Stöhrle

Ralph Dittes

Dentaurum Management

Dentaurum – dental competence spanning more than 135 years.



**Orthodontics**



**Implantology**



**Prosthetics**



**Ceramics**



Photo: © Christian Ferranti+



*Quality is your  
demand and our  
expertise.*



## Dental technology setting standards.

Dentaurum develops, produces and sells products for dentists and dental technicians worldwide. The variety of products for dental technology, orthodontics and implantology is unique in the dental world. Dentaurum Implants, manufacturer of the implants, is an affiliate of Dentaurum.

## Quality inspires confidence.

As the oldest independent dental company in the world, we have worldwide experience with high-quality dental products. Our market success is based on consistent implementation of customer and market demands. This is why we are committed to the constant further development of the company and continuous improvement of the quality of our processes and products.

## Service as added value.

There are many reasons for using Dentaurum products both in the dental practice and in the laboratory. Quality is the decisive factor. Our company philosophy is to not only offer high quality products, but to provide additional services as well. For example, we have an extensive training program for new and advanced users with an internationally experienced team of course instructors. Contact us for further information.

## High-tech in-house.



There is a high level of professional knowledge in our company that has been built up over the years in our own research and development facilities, both in Germany and in France. Highly qualified employees work together in interdisciplinary teams to find answers to the challenges the future poses. At the same time, long-standing cooperations with experts from universities and clinics contribute to finding new developments and innovations.

A further result of these efforts: a comprehensive product portfolio which is one of Dentaurum's strengths. No other dental company has such an extensive range of products offering a total of more than 8,500 articles.





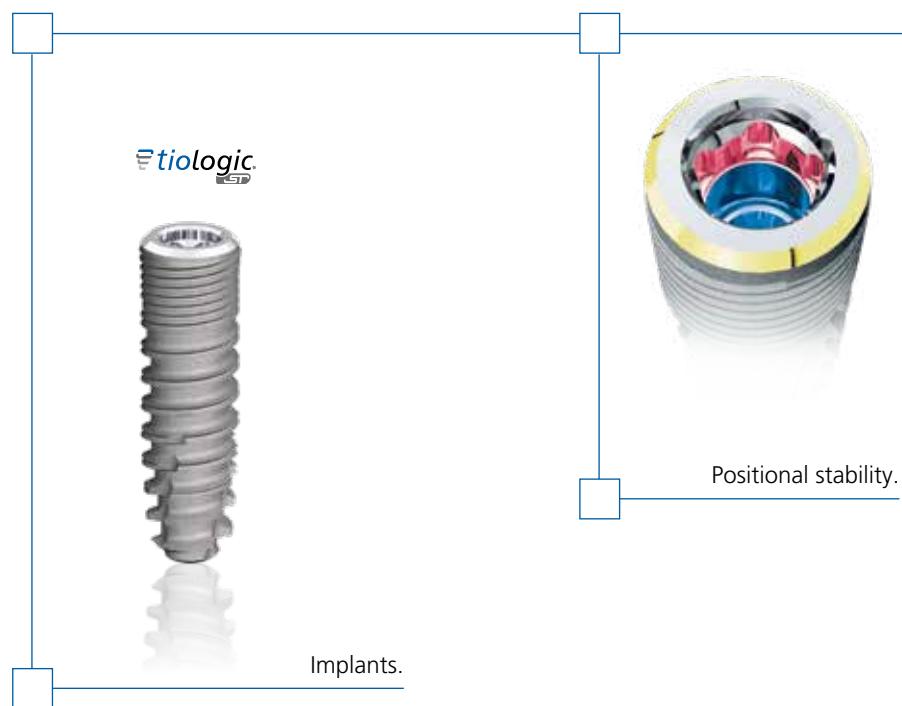
# Implant system.

## Maximum security.

The implant shape and the thread geometry of the tioLogic® ST implant types are ideally co-ordinated. This ensures that a uniform, bone-conserving flow of force is created both in the cortical and cancellous bone which, in turn, guarantees high primary stability.

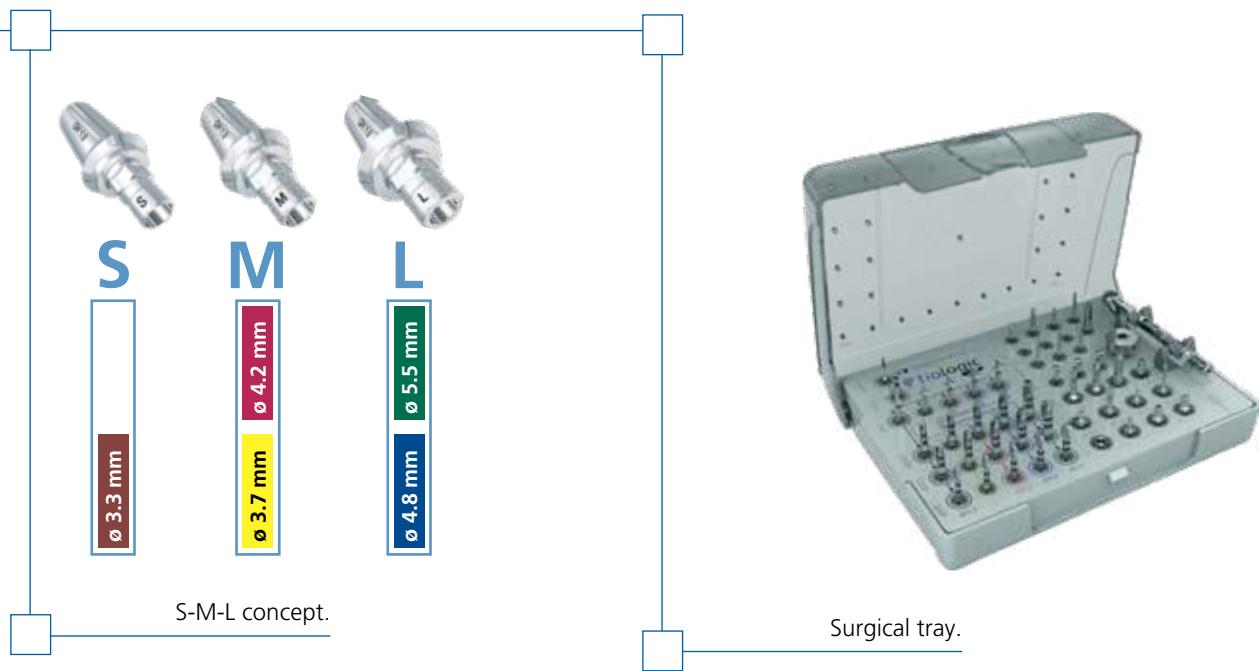
## Perfect aesthetics.

The internal PentaStop® rotational security with integrated platform switching provides the optimum conditions for a durable, aesthetically perfect superstructure tailored to the individual requirements of the patients using the tioLogic® ST implant system.



## Easy handling.

The S-M-L concept provides the implantologist with a choice of 5 implant diameters, 5 implant lengths and 3 prosthetic abutment series for the prosthetic restoration.



# Implant system.

## The logical evolution.

Implantology has become an inherent part of dental treatment. Extensive research and development on the one hand, and the comprehensive expertise of dentists and dental technicians on the other, mean implants are today fitted routinely, much to the benefit of the patient.

Dentaurum Implants can look back on more than 25 years of experience in implantology while the parent company Dentaurum has over 135 years of experience in prosthetics. It is on this solid foundation that the tioLogic® ST implant system is based. In extensive dialog with experts from clinics and dental offices, we have combined proven ideas with innovative solutions while considering future demands.

## Service.

Needless to say, the hardware behind the tioLogic® ST concept must be convincing in every respect. The same is true also for the software, support services and advice offered by the supplier. Dentaurum Implants has much to offer the dental team: a competent hotline, comprehensive documentation, a wide range of courses, high-quality materials for keeping patients informed and sales professionals who can visit on-site.

## The factors of success for an implant system.

There are many single factors that, under long-term aspects, make implant treatment a success. As the developer and manufacturer of an implant system, we have no influence on patient-related factors such as oral hygiene. As far as having an influence in the areas of implant design, system concept and the practitioner's affinity for a product is concerned, there are three areas of focus which have proven to be the basic success factors:

### **Safety. Aesthetics. Handling.**

Only when all three factors are equally fulfilled, with demands on safety at the forefront, are the prospects of success at best. This is why special attention was paid to fulfilling the specifications in these three basic areas when the tioLogic® ST implant system was being developed.

## **CONCLUSION:**

*A convincing concept.  
State of the art.*

### Maximum security.

It is of fundamental importance for a modern implant system that its safety is convincingly proven and documented in both theory and practice through recognized methods. The tioLogic® ST implant's external geometry was developed in cooperation with Bonn University. Their comprehensive FEM analyses<sup>1,2</sup> prove the above-average results for peak strain and distortion levels. The areas thread design, thread geometry and implant form were examined separately.

### Perfect aesthetics.

Implant-borne restorations are increasingly preferred to removable or tooth substance-challenging restorations, also in view of improved aesthetics. In this respect, it is important that implants and superstructures provide aesthetically perfect and long-term safe solutions. The design of the inner connection of the tioLogic® ST implants prevents bone collapse and ensures excellent compound stability. The inner geometry was developed using FEM analyses<sup>3</sup> and its stability has been proven by long-term durability tests according to ISO<sup>4</sup> at the Fraunhofer Institute.

### Easy handling.

To work economically with a modern implant system, it is imperative that all components are easy, safe and user-friendly.

When designing the tioLogic® ST implant system, some important aspects regarding the handling were realized: color-coding for quick visualization, laser marking(s), an optional integrated depth stop and simple-to-use packaging. The unique S - M - L system provides prosthetics with convincing practice and laboratory-related customization possibilities and clarity.

<sup>1</sup> A. Rahimi, F. Heinemann, A. Jäger, C. Bourauel: Biomechanische Untersuchungen des Einflusses von Geometrievarianten des tioLogic® Implantats [Biomechanical analyses of the influence of tioLogic® implant geometry variations]; University of Bonn 2006.

<sup>2</sup> Bibliography (studies and publications) Dentaurum Implants, REF 989-767-10, 2011.

<sup>3</sup> F. O. Kumala: Analyse des tioLogic® Implantats mittels FEM [Analysis of the tioLogic® implant using FEM]; CADFEM Stuttgart 2006.

<sup>4</sup> R. Schäfer, R. Jaeger, D. Ulrich, U. Köster: Bestimmung der Ermüdungsfestigkeit eines Dentalimplantats [Determination of the fatigue strength of a dental implant]; Fraunhofer Institut Werkstoffmechanik Freiburg, Germany, 2006.

DIN EN ISO 14801: 2003, Ermüdungsprüfung für enossale dentale Implantate [Fatigue test for endosteal dental implants], DIN – Deutsches Institut für Normung (German Institute for Standardization), Berlin, Germany.

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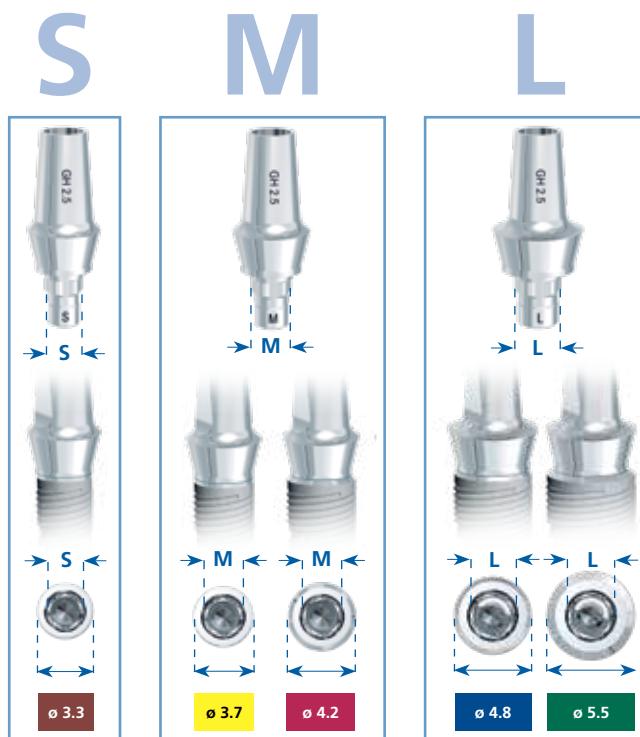
# The tioLogic® ST implant system.

S-M-L concept.

**5** implant diameters. **5** implant lengths. **3** series of abutments.

Integrated platform switching.

The optimal grading of implant diameters and lengths ensures that the appropriate implant is used for the indication. The 3 series of abutments contains components made of plastic (temporaries), titanium, as well as CAD/CAM, bar, ball, bridge, AngleFix and tioLOC abutments. The abutment components S are used for the implant diameter 3.3 mm, the abutment components M for the implant diameters 3.7 mm and 4.2 mm and the abutment components L for the implant diameters 4.8 mm and 5.5 mm. All components are laser-marked with S, M or L for exact identification.



Prosthetic screw



S

M

L

**3** series of abutments.

**5** implant diameters.

$\varnothing 3.3\text{ mm}$   
tioLogic®  
ST

$\varnothing 3.7\text{ mm}$   
tioLogic®  
ST

$\varnothing 4.2\text{ mm}$   
tioLogic®  
ST

$\varnothing 4.8\text{ mm}$   
tioLogic®  
ST

$\varnothing 5.5\text{ mm}$   
tioLogic®  
ST

7.0 mm

9.0 mm

11.0 mm

13.0 mm

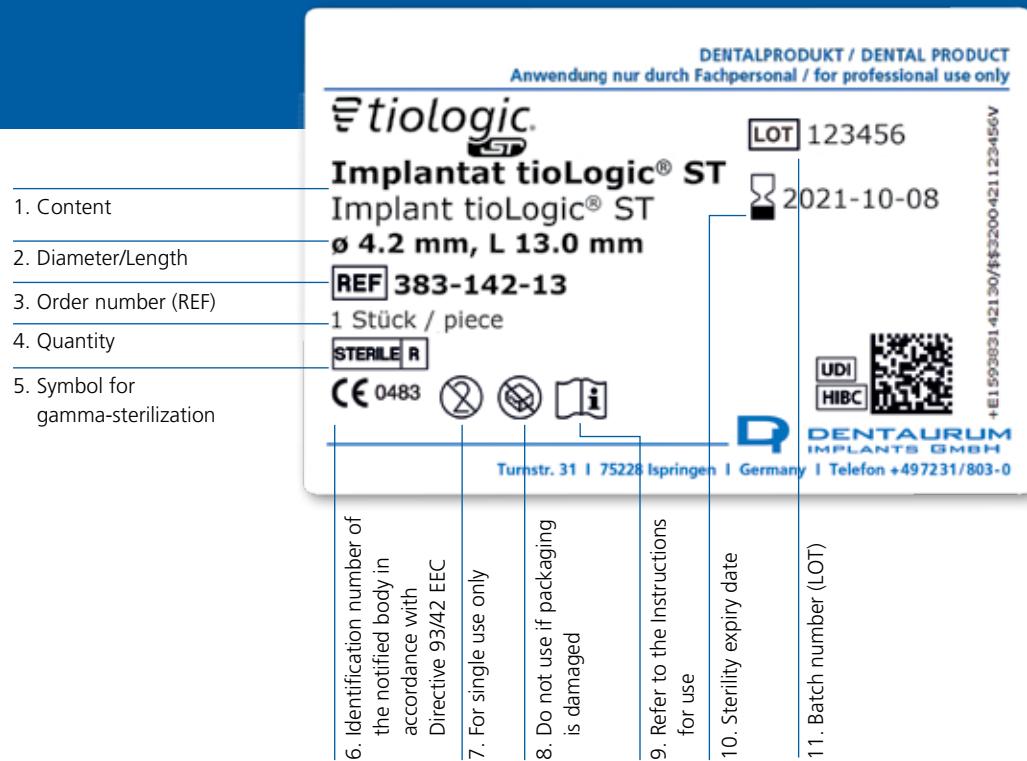
15.0 mm

**5** implant lengths.

All abutments and implants on a scale of 1:1.

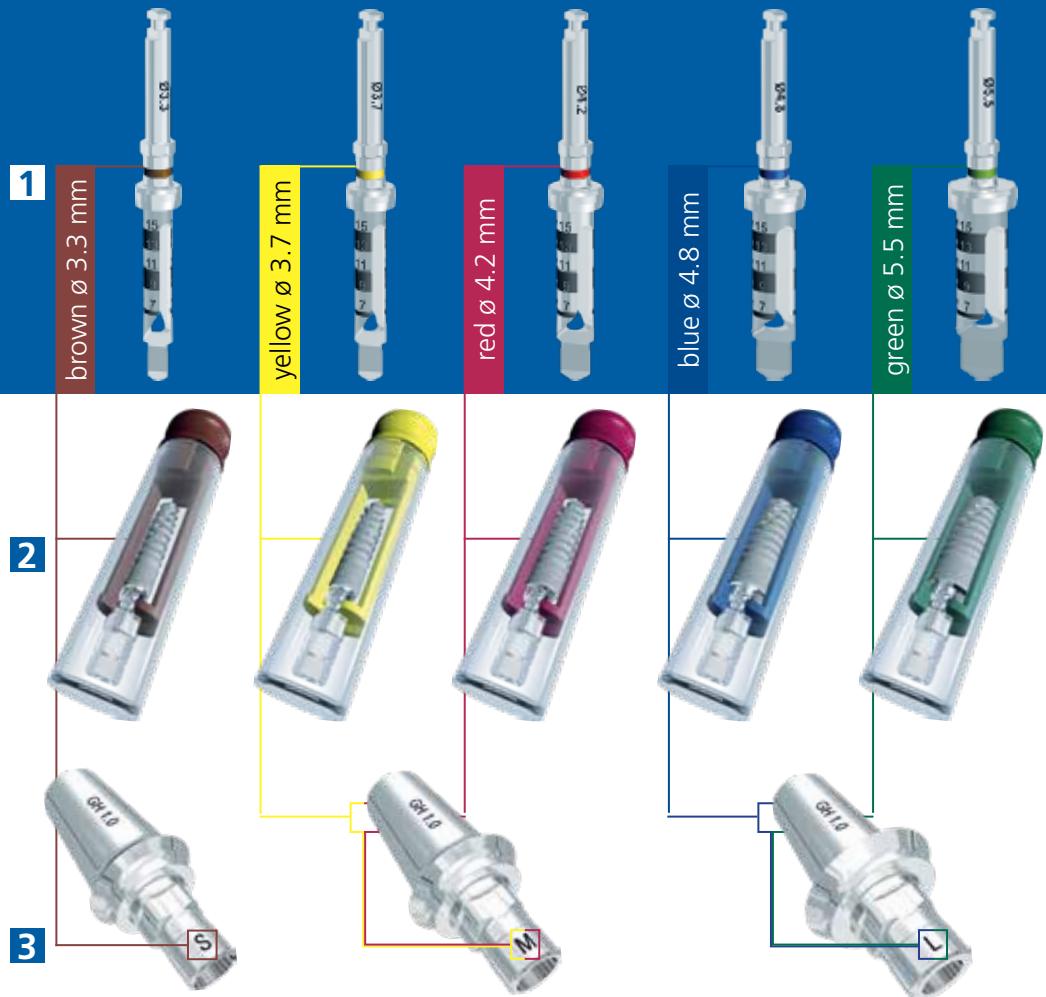
## Product identification.

All information – quick, clear identification.



All basic information needed by implantologists and assistants is on the label. The pictograms are intuitive and conform to international standards, thus providing a rapid and clear flow of information.

Further labels for the patients' files, the PatientPass and further documentation such as the surgery protocol are also included.



The identification concept of the tioLogic® ST implant system features an easy, intuitive identification system that the implantologist can rely on. The system uses permanent color coding and clearly legible laser printing.

- 1** Instrument color marking – all surgical instruments have a different colored ring on the shank for clear identification of the diameter. The color code for the diameter corresponds to that of the implant.
- 2** Implant color coding – the plastic implant holders are color-coded to indicate the relevant diameter.
- 3** S - M - L component laser marking – all components from closure screws and gingiva formers to the impression and prosthetic components are laser-marked with S, M or L to correspond clearly to the respective implant platform.

# SURGERY

# YES!



## I WANT A MODERN IMPLANT SYSTEM.

It is essential that a modern implant system provides the implantologist with an optimal combination of high flexibility, clear organization, easy handling, efficient technique and maximum safety and reliability.

 **tiologic.**



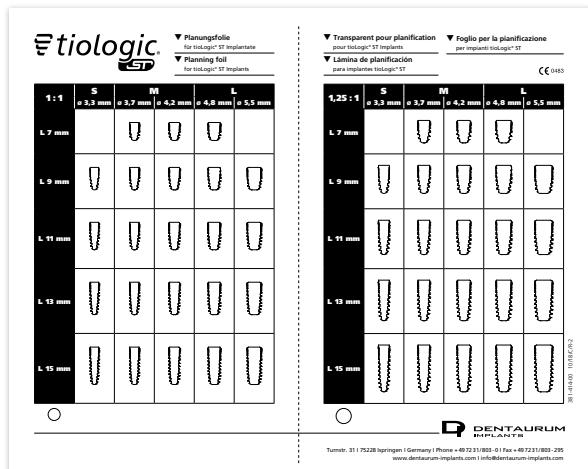
 **tiologic.**  
TWINFIT



# Surgery ■ Planning and diagnosis

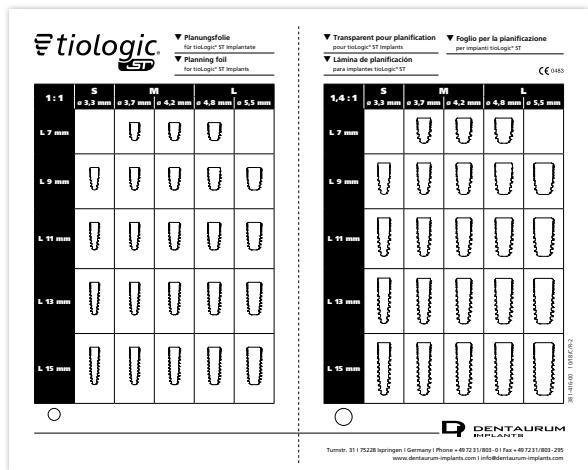
## ■ Planning foil scale 1:1 / 1.25:1

REF 381-414-00 tioLogic® ST



## ■ Planning foil scale 1:1 / 1.4:1

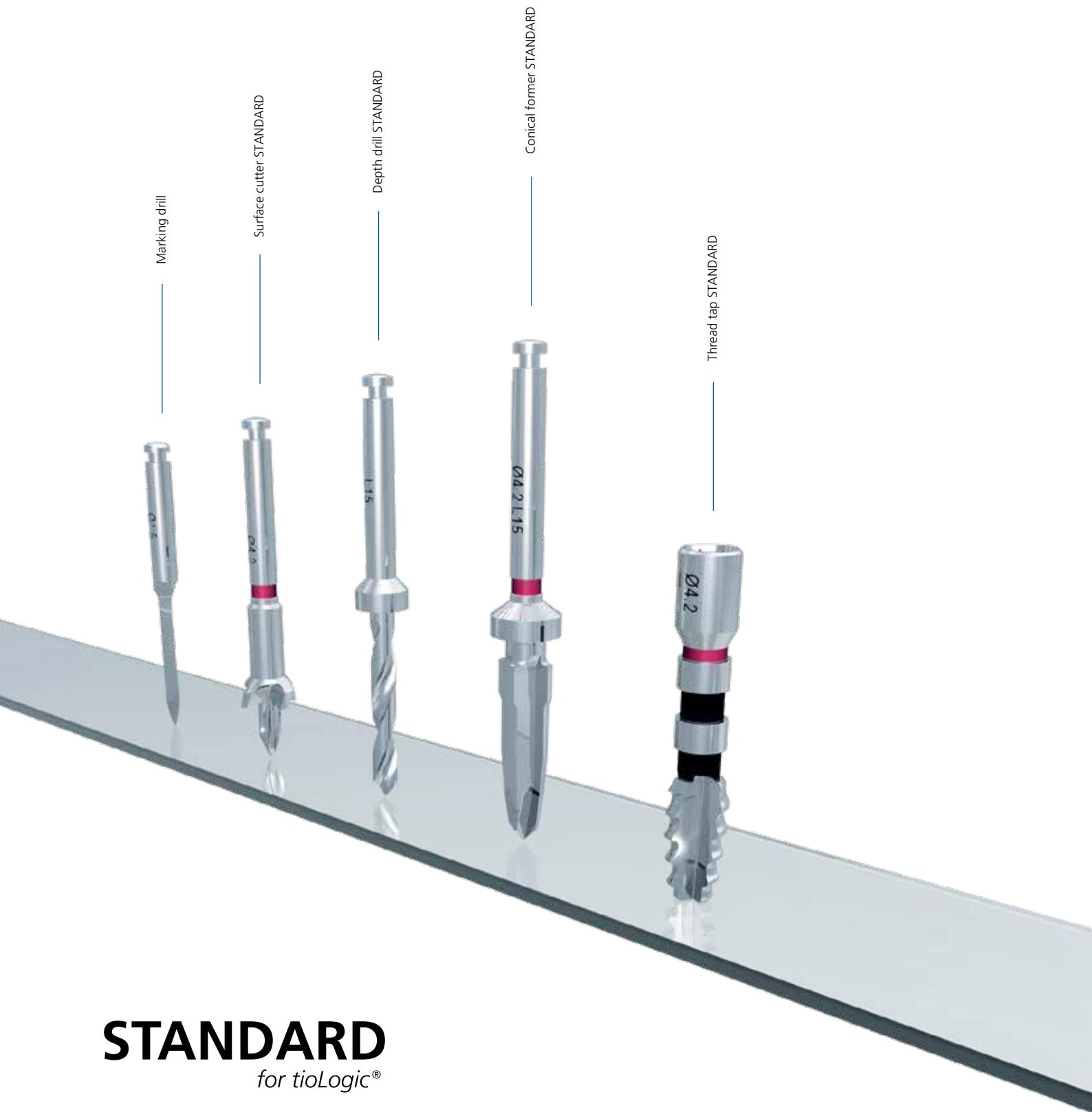
REF 381-416-00 tioLogic® ST



## ■ Planning aids

REF 330-560-00		X-ray reference sphere 5 pieces	ø 5.0 mm	
REF 381-420-00		Titanium guide sleeve	ø inner 2.0 mm	L 10.0 mm
REF 381-422-00		Titanium guide sleeve	ø inner 2.0 mm	L 6.0 mm
REF 381-424-00		Pre-drill for guide sleeve L 10.0 mm, resterilizable	ø 2.0 mm	L 21.0 mm
REF 381-426-00		Pre-drill for guide sleeve L 6.0 mm, resterilizable	ø 2.0 mm	L 17.0 mm
REF 381-428-00		Drill for guide sleeve tungsten carbide (dental prosthetics)	ø shank 3.0 mm	

# Surgery ■ Rotating instruments STANDARD for tioLogic®



**STANDARD**  
for *tioLogic®*

## ■ Pre-drill, resterilizable

REF 382-015-00		Marking drill	ø 1.5 mm
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## ■ Surface cutter STANDARD, resterilizable

REF 382-033-00		Surface cutter STANDARD	ø 3.3 mm
REF 382-037-00		Surface cutter STANDARD	ø 3.7 mm
REF 382-042-00		Surface cutter STANDARD	ø 4.2 mm
REF 382-048-00		Surface cutter STANDARD	ø 4.8 mm
REF 382-055-00		Surface cutter STANDARD	ø 5.5 mm

■ Depth drill STANDARD, resterilizable<sup>1</sup>

REF 382-020-07		Depth drill STANDARD	ø 2.0 mm	L 7.0 mm
REF 382-020-09		Depth drill STANDARD	ø 2.0 mm	L 9.0 mm
REF 382-020-11		Depth drill STANDARD	ø 2.0 mm	L 11.0 mm
REF 382-020-13		Depth drill STANDARD	ø 2.0 mm	L 13.0 mm
REF 382-020-15		Depth drill STANDARD	ø 2.0 mm	L 15.0 mm

<sup>1</sup> For technical reasons the instruments are 1.4 mm longer than the given preparation length.

While stocks last

## Surgery ■ Rotating instruments STANDARD for tioLogic®

### ■ Conical former STANDARD, resterilizable<sup>1</sup>

REF 382-033-09		Conical former STANDARD	ø 3.3 mm	L 9.0 mm
REF 382-033-11		Conical former STANDARD	ø 3.3 mm	L 11.0 mm
REF 382-033-13		Conical former STANDARD	ø 3.3 mm	L 13.0 mm
REF 382-033-15		Conical former STANDARD	ø 3.3 mm	L 15.0 mm
REF 382-037-07		Conical former STANDARD	ø 3.7 mm	L 7.0 mm
REF 382-037-09		Conical former STANDARD	ø 3.7 mm	L 9.0 mm
REF 382-037-11		Conical former STANDARD	ø 3.7 mm	L 11.0 mm
REF 382-037-13		Conical former STANDARD	ø 3.7 mm	L 13.0 mm
REF 382-037-15		Conical former STANDARD	ø 3.7 mm	L 15.0 mm
REF 382-042-07		Conical former STANDARD	ø 4.2 mm	L 7.0 mm
REF 382-042-09		Conical former STANDARD	ø 4.2 mm	L 9.0 mm
REF 382-042-11		Conical former STANDARD	ø 4.2 mm	L 11.0 mm
REF 382-042-13		Conical former STANDARD	ø 4.2 mm	L 13.0 mm
REF 382-042-15		Conical former STANDARD	ø 4.2 mm	L 15.0 mm
REF 382-048-07		Conical former STANDARD	ø 4.8 mm	L 7.0 mm
REF 382-048-09		Conical former STANDARD	ø 4.8 mm	L 9.0 mm
REF 382-048-11		Conical former STANDARD	ø 4.8 mm	L 11.0 mm
REF 382-048-13		Conical former STANDARD	ø 4.8 mm	L 13.0 mm
REF 382-048-15		Conical former STANDARD	ø 4.8 mm	L 15.0 mm
REF 382-055-09		Conical former STANDARD	ø 5.5 mm	L 9.0 mm
REF 382-055-11		Conical former STANDARD	ø 5.5 mm	L 11.0 mm
REF 382-055-13		Conical former STANDARD	ø 5.5 mm	L 13.0 mm
REF 382-055-15		Conical former STANDARD	ø 5.5 mm	L 15.0 mm

<sup>1</sup> For technical reasons the instruments are 1.0 mm longer than the given preparation length.

# Rotating instruments STANDARD for tioLogic® ■ Surgery

## ■ Conical former (dense bone) STANDARD, resterilizable<sup>2</sup>

REF 382-233-17		Conical former STANDARD (dense bone)	Ø 3.3 mm	L 17.0 mm
REF 382-237-17		Conical former STANDARD (dense bone)	Ø 3.7 mm	L 17.0 mm
REF 382-242-17		Conical former STANDARD (dense bone)	Ø 4.2 mm	L 17.0 mm
REF 382-248-17		Conical former STANDARD (dense bone)	Ø 4.8 mm	L 17.0 mm
REF 382-255-17		Conical former STANDARD (dense bone)	Ø 5.5 mm	L 17.0 mm

## ■ Thread tap STANDARD, resterilizable<sup>3</sup>

REF 382-433-00		Thread tap <sup>4</sup> STANDARD	Ø 3.3 mm
REF 382-437-00		Thread tap <sup>4</sup> STANDARD	Ø 3.7 mm
REF 382-442-00		Thread tap <sup>4</sup> STANDARD	Ø 4.2 mm
REF 382-448-00		Thread tap <sup>4</sup> STANDARD	Ø 4.8 mm
REF 382-455-00		Thread tap <sup>4</sup> STANDARD	Ø 5.5 mm

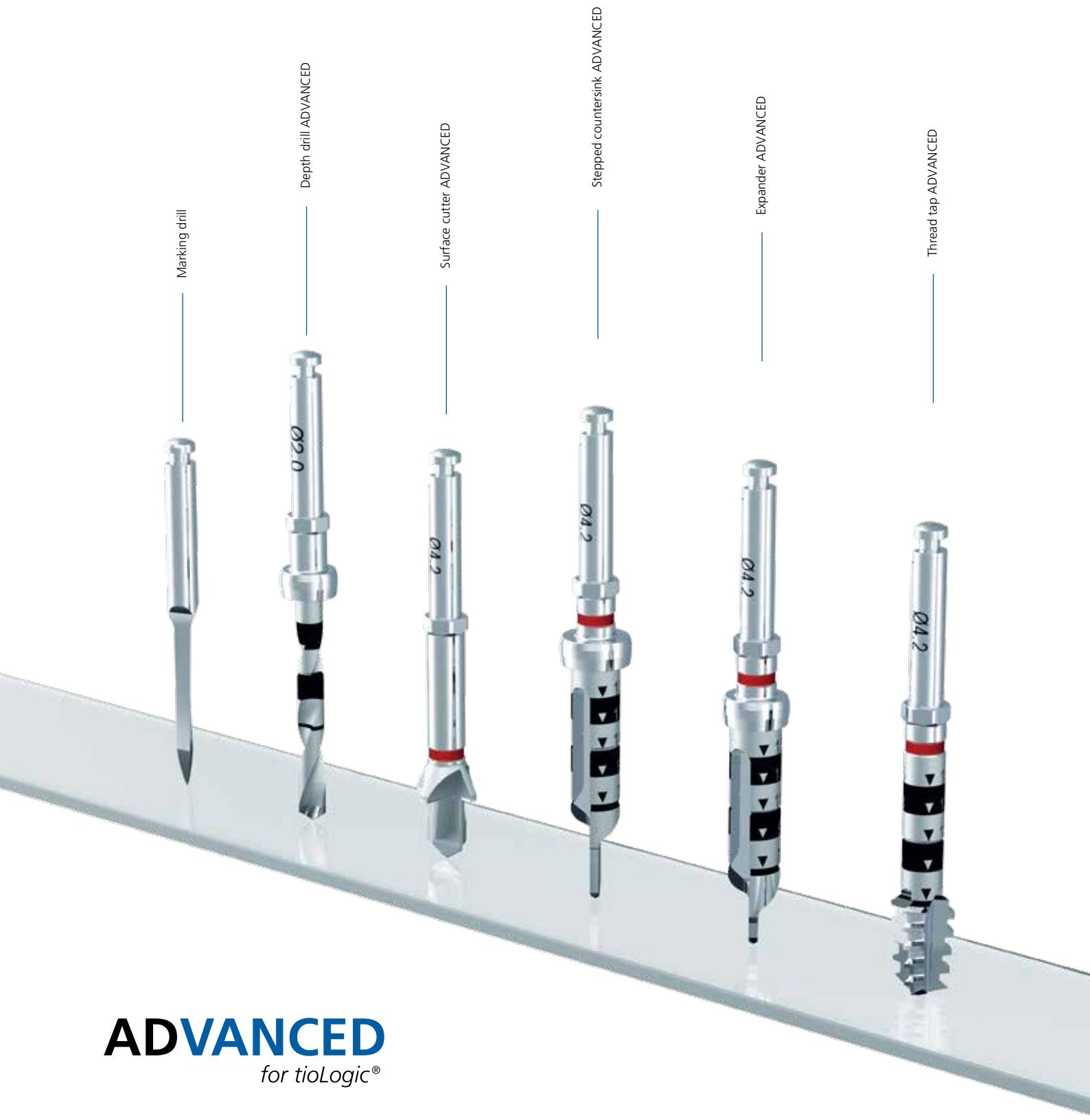
<sup>1</sup> For technical reasons the instruments are 1.4 mm longer than the given preparation length.

<sup>2</sup> No integrated depth stop for the insertion lengths 7.0/9.0/11.0/13.0/15.0 mm.

<sup>3</sup> Without integrated depth stop.

<sup>4</sup> For use with tioLogic® implants only

# Surgery ■ Rotating instruments ADVANCED for tioLogic®



**ADVANCED**  
for tioLogic®

# Rotating instruments ADVANCED for tioLogic® ■ Surgery

## ■ Marking drill ADVANCED, resterilizable<sup>1</sup>

REF 382-015-00		Marking drill	ø 1.5 mm
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## ■ Depth drill ADVANCED, resterilizable<sup>1</sup>

REF 382-720-15		Depth drill ADVANCED	ø 2.0 mm	L 17.0 mm
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## ■ Surface cutter ADVANCED, resterilizable<sup>1</sup>

REF 382-733-00		Surface cutter ADVANCED	ø 3.3 mm
REF 382-737-00		Surface cutter ADVANCED	ø 3.7 mm
REF 382-742-00		Surface cutter ADVANCED	ø 4.2 mm
REF 382-748-00		Surface cutter ADVANCED	ø 4.8 mm
REF 382-755-00		Surface cutter ADVANCED	ø 5.5 mm

## ■ Stepped countersink ADVANCED, resterilizable<sup>1</sup>

REF 382-733-15		Stepped countersink ADVANCED	ø 3.3 mm	L 17.0 mm
REF 382-737-15		Stepped countersink ADVANCED	ø 3.7 mm	L 17.0 mm
REF 382-742-15		Stepped countersink ADVANCED	ø 4.2 mm	L 17.0 mm
REF 382-748-15		Stepped countersink ADVANCED	ø 4.8 mm	L 17.0 mm
REF 382-755-15		Stepped countersink ADVANCED	ø 5.5 mm	L 17.0 mm

## ■ Expander ADVANCED, resterilizable<sup>1</sup>

REF 382-933-15		Expander ADVANCED	ø 3.3 mm	L 17.0 mm
REF 382-937-15		Expander ADVANCED	ø 3.7 mm	L 17.0 mm
REF 382-942-15		Expander ADVANCED	ø 4.2 mm	L 17.0 mm
REF 382-948-15		Expander ADVANCED	ø 4.8 mm	L 17.0 mm
REF 382-955-15		Expander ADVANCED	ø 5.5 mm	L 17.0 mm

## ■ Thread tap ADVANCED, resterilizable<sup>1,2</sup>

REF 382-933-00		Thread tap ADVANCED	ø 3.3 mm	L 17.0 mm
REF 382-937-00		Thread tap ADVANCED	ø 3.7 mm	L 17.0 mm
REF 382-942-00		Thread tap ADVANCED	ø 4.2 mm	L 17.0 mm
REF 382-948-00		Thread tap ADVANCED	ø 4.8 mm	L 17.0 mm
REF 382-955-00		Thread tap ADVANCED	ø 5.5 mm	L 17.0 mm

<sup>1</sup> For technical reasons the instruments are 1.0 mm longer than the given preparation length.

<sup>2</sup> For use with tioLogic® ST implants only

## Surgery ■ pOsition for tioLogic® – Planning and accessories



**pOsition**  
for tioLogic®

■ Basic sleeves

REF 381-533-00		Basic sleeve	ø 3.3 mm
REF 381-537-00		Basic sleeve	ø 3.7 mm
REF 381-542-00		Basic sleeve	ø 4.2 mm
REF 381-548-00		Basic sleeve	ø 4.8 mm
REF 381-555-00		Basic sleeve	ø 5.5 mm

■ Drills for basic sleeves

REF 381-133-00		Drill for basic sleeve	ø 3.3 mm
REF 381-137-00		Drill for basic sleeve	ø 3.7 mm
REF 381-142-00		Drill for basic sleeve	ø 4.2 mm
REF 381-148-00		Drill for basic sleeve	ø 4.8 mm
REF 381-155-00		Drill for basic sleeve	ø 5.5 mm

■ Holders for basic sleeves – med3D

REF 381-233-00		Holder for basic sleeve	ø 3.3 mm
REF 381-237-00		Holder for basic sleeve	ø 3.7 mm
REF 381-242-00		Holder for basic sleeve	ø 4.2 mm
REF 381-248-00		Holder for basic sleeve	ø 4.8 mm
REF 381-255-00		Holder for basic sleeve	ø 5.5 mm

# Surgery ■ pOsition for tioLogic® – Planning and accessories

## ■ Positioning pins for basic sleeves – med 3D

REF 381-733-00		Positioning pin for basic sleeve	Ø 3.3 mm
REF 381-737-00		Positioning pin for basic sleeve	Ø 3.7 mm
REF 381-742-00		Positioning pin for basic sleeve	Ø 4.2 mm
REF 381-748-00		Positioning pin for basic sleeve	Ø 4.8 mm
REF 381-755-00		Positioning pin for basic sleeve	Ø 5.5 mm

## ■ Inner sleeves

REF 381-333-00		Set inner sleeves	Ø 3.3 mm
REF 381-337-00		Set inner sleeves	Ø 3.7 mm
REF 381-342-00		Set inner sleeves	Ø 4.2 mm
REF 381-348-00		Set inner sleeves	Ø 4.8 mm
REF 381-355-00		Set inner sleeves	Ø 5.5 mm

pOsition for tioLogic® – Rotating instruments<sup>1</sup> ■ Surgery

■ Gingiva cutter

REF 382-333-00		Gingiva cutter pOsition	ø 3.3 mm
REF 382-337-00		Gingiva cutter pOsition	ø 3.7 mm
REF 382-342-00		Gingiva cutter pOsition	ø 4.2 mm
REF 382-348-00		Gingiva cutter pOsition	ø 4.8 mm
REF 382-355-00		Gingiva cutter pOsition	ø 5.5 mm

■ Depth drill

REF 382-320-07		Depth drill pOsition	ø 2.0 mm	L 7.0 mm
REF 382-320-09		Depth drill pOsition	ø 2.0 mm	L 9.0 mm
REF 382-320-11		Depth drill pOsition	ø 2.0 mm	L 11.0 mm
REF 382-320-13		Depth drill pOsition	ø 2.0 mm	L 13.0 mm
REF 382-320-15		Depth drill pOsition	ø 2.0 mm	L 15.0 mm

# Surgery ■ pOsition for tioLogic® – Rotating instruments<sup>1</sup>

## ■ Stepped countersink

REF 382-333-09		Stepped countersink pOsition	ø 3.3 mm	L 9.0 mm
REF 382-333-11		Stepped countersink pOsition	ø 3.3 mm	L 11.0 mm
REF 382-333-13		Stepped countersink pOsition	ø 3.3 mm	L 13.0 mm
REF 382-333-15		Stepped countersink pOsition	ø 3.3 mm	L 15.0 mm
REF 382-337-07		Stepped countersink pOsition	ø 3.7 mm	L 7.0 mm
REF 382-337-09		Stepped countersink pOsition	ø 3.7 mm	L 9.0 mm
REF 382-337-11		Stepped countersink pOsition	ø 3.7 mm	L 11.0 mm
REF 382-337-13		Stepped countersink pOsition	ø 3.7 mm	L 13.0 mm
REF 382-337-15		Stepped countersink pOsition	ø 3.7 mm	L 15.0 mm
REF 382-342-07		Stepped countersink pOsition	ø 4.2 mm	L 7.0 mm
REF 382-342-09		Stepped countersink pOsition	ø 4.2 mm	L 9.0 mm
REF 382-342-11		Stepped countersink pOsition	ø 4.2 mm	L 11.0 mm
REF 382-342-13		Stepped countersink pOsition	ø 4.2 mm	L 13.0 mm
REF 382-342-15		Stepped countersink pOsition	ø 4.2 mm	L 15.0 mm
REF 382-348-07		Stepped countersink pOsition	ø 4.8 mm	L 7.0 mm
REF 382-348-09		Stepped countersink pOsition	ø 4.8 mm	L 9.0 mm
REF 382-348-11		Stepped countersink pOsition	ø 4.8 mm	L 11.0 mm
REF 382-348-13		Stepped countersink pOsition	ø 4.8 mm	L 13.0 mm
REF 382-348-15		Stepped countersink pOsition	ø 4.8 mm	L 15.0 mm
REF 382-355-09		Stepped countersink pOsition	ø 5.5 mm	L 9.0 mm
REF 382-355-11		Stepped countersink pOsition	ø 5.5 mm	L 11.0 mm
REF 382-355-13		Stepped countersink pOsition	ø 5.5 mm	L 13.0 mm
REF 382-355-15		Stepped countersink pOsition	ø 5.5 mm	L 15.0 mm

# pOsition for tioLogic® – Rotating instruments<sup>1</sup> ■ Surgery

## ■ Expander

REF 382-533-00		Expander pOsition		ø 3.3 mm
REF 382-537-00		Expander pOsition		ø 3.7 mm
REF 382-542-00		Expander pOsition		ø 4.2 mm
REF 382-548-00		Expander pOsition		ø 4.8 mm
REF 382-555-00		Expander pOsition		ø 5.5 mm

## ■ Thread tap<sup>1</sup>

REF 382-833-00		Thread tap pOsition		ø 3.3 mm
REF 382-837-00		Thread tap pOsition		ø 3.7 mm
REF 382-842-00		Thread tap pOsition		ø 4.2 mm
REF 382-848-00		Thread tap pOsition		ø 4.8 mm
REF 382-855-00		Thread tap pOsition		ø 5.5 mm

## ■ Thread tap ADVANCED, resterilizable<sup>2</sup>

REF 382-933-00		Thread tap ADVANCED		ø 3.3 mm
REF 382-937-00		Thread tap ADVANCED		ø 3.7 mm
REF 382-942-00		Thread tap ADVANCED		ø 4.2 mm
REF 382-948-00		Thread tap ADVANCED		ø 4.8 mm
REF 382-955-00		Thread tap ADVANCED		ø 5.5 mm

<sup>1</sup> Use only for tioLogic® implants.

<sup>2</sup> Use only for tioLogic® ST and tioLogic® TWINFIT implants.

# Surgery ■ Tray ADVANCED for tioLogic®

## ■ Implantology

REF 387-424-00	Surgical tray ADVANCED for tioLogic®	Fully equipped for placement of tioLogic® ST implants. ■ for ø 3.3 mm/ø 3.7 mm/ø 4.2 mm/ø 4.8 mm/ø 5.5 mm ■ reusable instruments ■ container for safekeeping ■ incl. Surgery Manual tioLogic® ST ■ incl. planning foil tioLogic® ST
REF 387-415-00	Silicone o-rings 10 pieces	



Not all items shown are included in the tray at delivery.

## ■ Content Surgical tray ADVANCED for tioLogic®

REF 382-015-00	Marking drill ø 1.5 mm	REF 387-800-00	Torque ratchet with blocking function
REF 382-720-15	Depth drill ADVANCED ø 2.0 mm, L 17.0 mm	REF 387-604-00	Locking key for insertion aid
REF 382-733-00	Surface cutter ADVANCED brown ø 3.3 mm	REF 387-610-00	Hex key 1.3 – ISO shank, L 20.0 mm
REF 382-737-00	Surface cutter ADVANCED yellow ø 3.7 mm	REF 387-612-00	Hex key 1.3 – ISO shank, L 26.0 mm
REF 382-742-00	Surface cutter ADVANCED red ø 4.2 mm	REF 387-516-00	Hex key 2.5 – ISO shank, L 19.0 mm
REF 382-748-00	Surface cutter ADVANCED blue ø 4.8 mm	REF 387-518-00	Hex key 2.5 – ISO shank, L 25.0 mm
REF 382-755-00	Surface cutter ADVANCED green ø 5.5 mm,	REF 387-620-00	Hex key 1.3 – ratchet, L 16.0 mm
REF 382-733-15	Stepped countersink ADVANCED ø 3.3 mm, L 17.0 mm	REF 387-622-00	Hex key 1.3 – ratchet, L 26.0 mm.
REF 382-737-15	Stepped countersink ADVANCED ø 3.7 mm, L 17.0 mm	REF 387-519-00	Hex key 2.5 – ratchet, L 8.0 mm
REF 382-742-15	Stepped countersink ADVANCED ø 4.2 mm, L 17.0 mm	REF 387-520-00	Hex key 2.5 – ratchet, L 13.0 mm.
REF 382-748-15	Stepped countersink ADVANCED ø 4.8 mm, L 17.0 mm	REF 387-522-00	Hex key 2.5 – ratchet, L 23.0 mm.
REF 382-755-15	Stepped countersink ADVANCED ø 5.5 mm, L 17.0 mm	REF 387-509-00	Drill extension – ISO shank hexagon, L 21.0 mm
REF 382-933-15	Expander ADVANCED ø 3.3 mm, L 17.0 mm	REF 387-511-00	Adapter – ISO shank hexagon/ ratchet, L 13.0 mm
REF 382-937-15	Expander ADVANCED ø 3.7 mm, L 17.0 mm	REF 387-514-00	Paralleling pin ø 1.4 / 2.0 mm, L 27.0 mm, 3 pieces
REF 382-942-15	Expander ADVANCED ø 4.2 mm, L 17.0 mm	REF 387-523-00	Implant insertion key S – ratchet ø 3.3 mm
REF 382-948-15	Expander ADVANCED ø 4.8 mm, L 17.0 mm	REF 387-524-00	Implant insertion key M – ratchet ø 3.7 / ø 4.2 mm
REF 382-955-15	Expander ADVANCED ø 5.5 mm, L 17.0 mm	REF 387-525-00	Implant insertion key L – ratchet ø 4.8 mm / ø 5.5 m
REF 382-933-00	Thread tap ADVANCED ø 3.3 mm, L 17.0 mm	REF 387-642-00	Insertion key bar/bridge/AngleFix – ratchet
REF 382-937-00	Thread tap ADVANCED ø 3.7 mm, L 17.0 mm	REF 387-660-00	Insertion key ball abutment – ratchet
REF 382-942-00	Thread tap ADVANCED ø 4.2 mm, L 17.0 mm	REF 387-415-00	Silicone o-rings 10 pieces
REF 382-948-00	Thread tap ADVANCED ø 4.8 mm, L 17.0 mm		
REF 382-955-00	Thread tap ADVANCED ø 5.5 mm, L 17.0 mm		

# Surgery ■ Tray – ProstheticSet for tioLogic®

## ■ Implantology

REF 387-426-00 ProstheticSet  
for tioLogic®

With accessory components for prosthetic insertion.

- for all implant diameters
- container for safekeeping



## Tray – ProstheticSet for tioLogic® ■ Surgery

### ■ Content ProstheticSet for tioLogic®

REF 387-800-00



Torque ratchet  
with blocking function

REF 387-620-00



Hex key 1.3 – ratchet, L 16.0 mm

REF 387-622-00

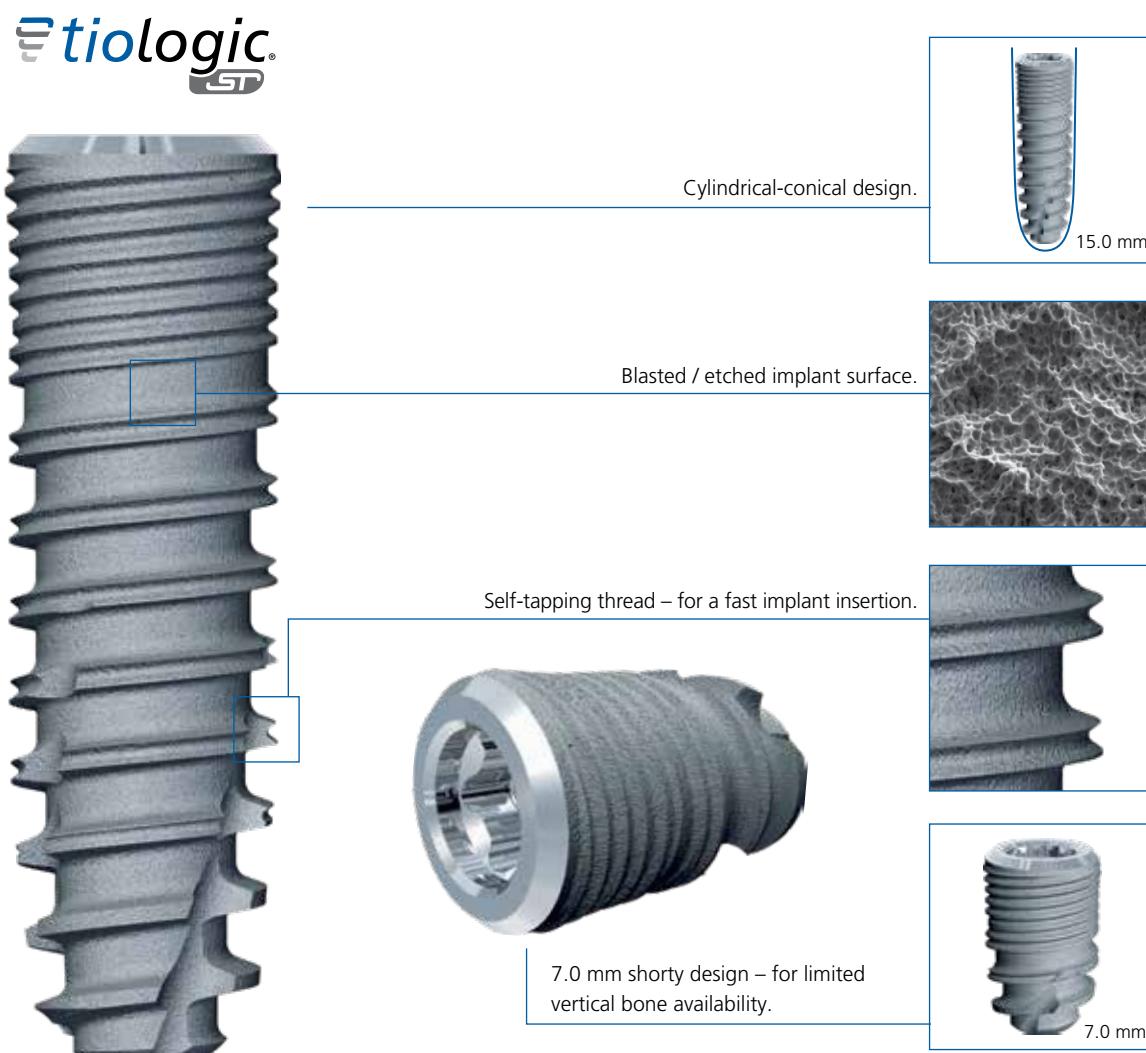


Hex key 1.3 – ratchet, L 26.0 mm.

## tioLogic® ST

The patented macro and micro design of tioLogic® has been further developed taking biomechanical aspects into consideration in order to positively influence implant insertion and healing behavior as well as to extend the indication range<sup>1</sup>. The modified self-tapping thread geometry and reduced thread pitch enable a quick and atraumatic implant insertion at a steady insertion torque and a high primary stability. The tioLogic® ST 7.0 mm implant also extends the indication range with reduced vertical bone availability.

All tioLogic® ST implants incorporate the proven S-M-L concept. They are therefore compatible with the existing prosthetic abutment series for tioLogic® and tioLogic® ST implants and are an ideal complement to the tioLogic® ST product range.



<sup>1</sup> I. Hasan, H. Stark, C. Boureaul: Biomechanische Untersuchungen des tioLogic® ST Implantats (Biomechanical studies of the tioLogic® ST implant); University of Bonn 2012

## ■ Ø 3.3 mm

REF 383-133-09



tioLogic® implant ST

Ø 3.3 mm L 9.0 mm

REF 383-133-11

Ø 3.3 mm L 11.0 mm

REF 383-133-13

Ø 3.3 mm L 13.0 mm

REF 383-133-15

Ø 3.3 mm L 15.0 mm

Supplied with closure screw S

## ■ Ø 3.7 mm

REF 383-137-07



tioLogic® implant ST

Ø 3.7 mm L 7.0 mm

REF 383-137-09

Ø 3.7 mm L 9.0 mm

REF 383-137-11

Ø 3.7 mm L 11.0 mm

REF 383-137-13

Ø 3.7 mm L 13.0 mm

REF 383-137-15

Ø 3.7 mm L 15.0 mm

Supplied with closure screw M

## ■ Ø 4.2 mm

REF 383-142-07



tioLogic® implant ST

Ø 4.2 mm L 7.0 mm

REF 383-142-09

Ø 4.2 mm L 9.0 mm

REF 383-142-11

Ø 4.2 mm L 11.0 mm

REF 383-142-13

Ø 4.2 mm L 13.0 mm

REF 383-142-15

Ø 4.2 mm L 15.0 mm

Supplied with closure screw M

## ■ Ø 4.8 mm

REF 383-148-07



tioLogic® implant ST

Ø 4.8 mm L 7.0 mm

REF 383-148-09

Ø 4.8 mm L 9.0 mm

REF 383-148-11

Ø 4.8 mm L 11.0 mm

REF 383-148-13

Ø 4.8 mm L 13.0 mm

REF 383-148-15

Ø 4.8 mm L 15.0 mm

Supplied with closure screw L

## ■ Ø 5.5 mm

REF 383-155-09



tioLogic® implant ST

Ø 5.5 mm L 9.0 mm

REF 383-155-11

Ø 5.5 mm L 11.0 mm

REF 383-155-13

Ø 5.5 mm L 13.0 mm

REF 383-155-15

Ø 5.5 mm L 15.0 mm

Supplied with closure screw L

# Surgery ■ Gingiva former

## ■ conical S

REF 384-110-00		Gingiva former S	conical GH 1.5 mm
REF 384-112-00		Gingiva former S	conical GH 3.0 mm
REF 384-114-00		Gingiva former S	conical GH 4.5 mm
REF 384-116-00		Gingiva former S	conical GH 6.0 mm

## ■ conical M

REF 384-210-00		Gingiva former M	conical GH 1.5 mm
REF 384-212-00		Gingiva former M	conical GH 3.0 mm
REF 384-214-00		Gingiva former M	conical GH 4.5 mm
REF 384-216-00		Gingiva former M	conical GH 6.0 mm

## ■ conical L

REF 384-310-00		Gingiva former L	conical GH 1.5 mm
REF 384-312-00		Gingiva former L	conical GH 3.0 mm
REF 384-314-00		Gingiva former L	conical GH 4.5 mm
REF 384-316-00		Gingiva former L	conical GH 6.0 mm

## ■ cylindrical S

REF 384-120-00		Gingiva former S	cylindrical GH 1.5 mm
REF 384-122-00		Gingiva former S	cylindrical GH 3.0 mm
REF 384-124-00		Gingiva former S	cylindrical GH 4.5 mm
REF 384-126-00		Gingiva former S	cylindrical GH 6.0 mm

## ■ cylindrical M

REF 384-220-00		Gingiva former M	cylindrical GH 1.5 mm
REF 384-222-00		Gingiva former M	cylindrical GH 3.0 mm
REF 384-224-00		Gingiva former M	cylindrical GH 4.5 mm
REF 384-226-00		Gingiva former M	cylindrical GH 6.0 mm

## ■ cylindrical L

REF 384-320-00		Gingiva former L	cylindrical GH 1.5 mm
REF 384-322-00		Gingiva former L	cylindrical GH 3.0 mm
REF 384-324-00		Gingiva former L	cylindrical GH 4.5 mm
REF 384-326-00		Gingiva former L	cylindrical GH 6.0 mm

## CITO mini® – 3 steps to success.



1. Gingiva punch

2. Stepped drilling

3. Implant insertion

## Small. Quick. Easy.

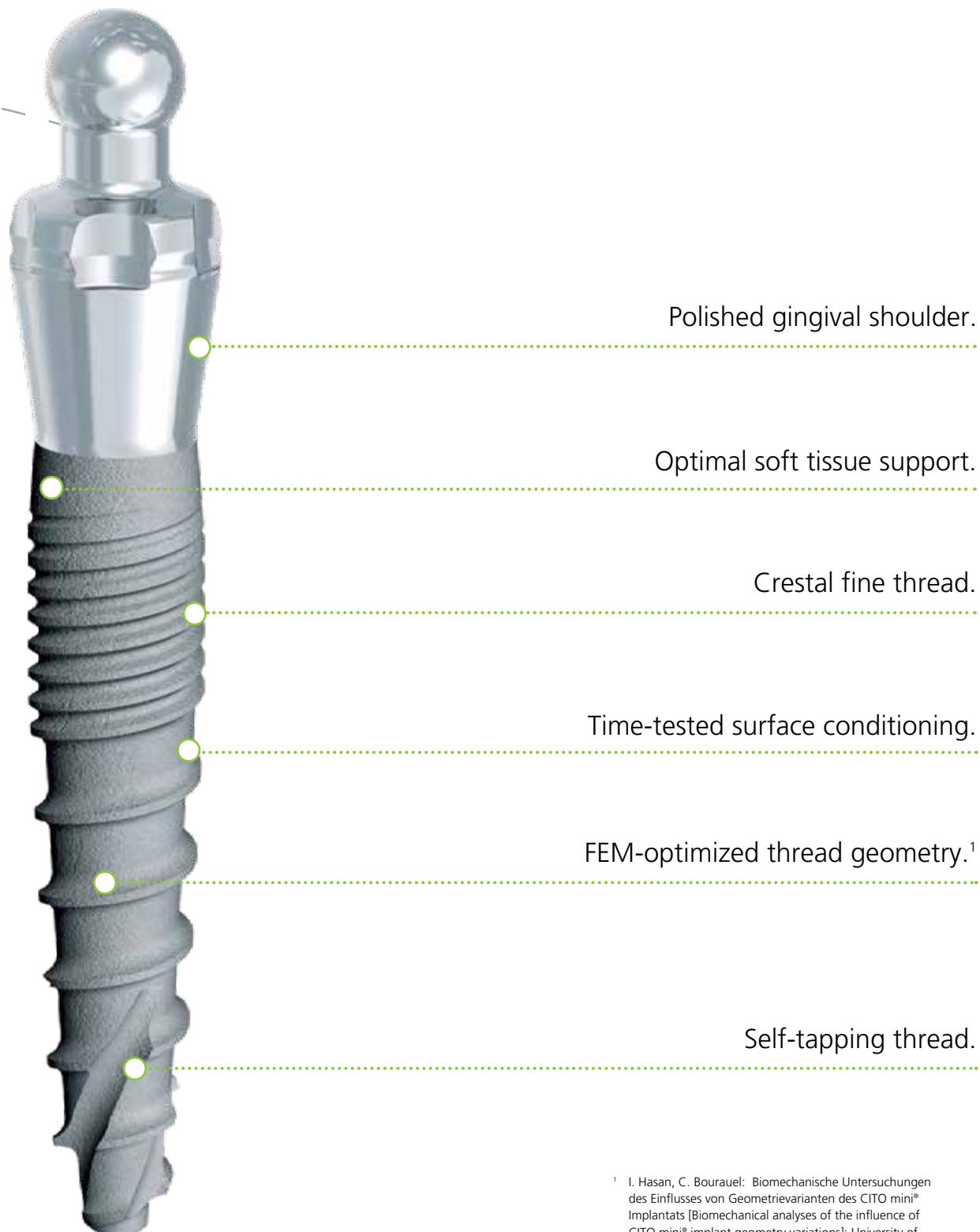
- Immediate loading in many cases
- Avoids augmentative measures
- Perfect solution for patients with reduced bone availability
- Long-term stability for hybrid-prostheses



More information on CITO mini®.

# CITO mini®

## Implant system.



<sup>1</sup> I. Hasan, C. Bourael: Biomechanische Untersuchungen des Einflusses von Geometrievarianten des CITO mini® Implantats [Biomechanical analyses of the influence of CITO mini® implant geometry variations]; University of Bonn 2014.

# PROSTHETICS

# YES!



## I WANT A MODERN IMPLANT SYSTEM.

Prosthetic components of a modern implant system should provide the dental technician with the ideal combination of aesthetics, individualization, clear organization and easy handling.



# Series of abutments S

for ø 3.3 mm tioLogic® ST implants.



# Components series of abutments S ■ Prosthetics

## ■ Impression materials

REF 385-110-00		Impression post S, open incl. screw with shortened thread	L 10.0 mm
REF 385-112-00		Impression post S, open incl. screw with shortened thread	L 14.0 mm
REF 385-120-00		Impression post S, closed incl. impression cap S and retaining screw	L 7.0 mm
REF 385-122-00		Impression cap S 5 pieces	L 6.0 mm
REF 385-124-00		Positioning aid S for impression post S, closed	L 9.6 mm
REF 386-932-00		Retaining screw for scan abutment and closed impression	M 1.6      L 14 mm

## ■ Model

REF 385-132-00		Laboratory implant S for printed and cast models	L 12.0 mm
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## ■ Temporary restoration

REF 384-130-00		Temporary abutment S incl. screw	GH 3.0 mm      L 12.0 mm
REF 384-910-00		Screw for temporary abutment	M 1.6      L 13.5 mm

# Prosthetics ■ Components series of abutments S

## ■ CAD/CAM components

REF 386-179-00		Scan abutment titanium S incl. retaining screw		
REF 386-932-00		Retaining screw for scan abutment and closed impression	M 1.6	L 14.0 mm
REF 386-113-00		CAD/CAM titanium base S incl. AnoTite screw	GH 0.5 mm	
REF 386-196-00		Modelling sleeve for CAD/CAM titanium base S, adjustable		
REF 386-195-00		CAD/CAM titanium base S CEREC, Sirona, incl. AnoTite screw	GH 0.5 mm	
REF 386-197-00		CAD/CAM titanium block S, PreForm, incl. AnoTite screw		
REF 386-176-00		Scan cap bar titanium incl. AnoTite screw	L 10.0 mm	
REF 386-177-00		Scan cap bridge titanium incl. AnoTite screw	L 10.0 mm	
REF 386-178-00		AngleFix scan cap titanium incl. AnoTite screw	L 10.0 mm	
REF 386-186-00		Scan cap bar incl. AnoTite screw	L 10.0 mm	
REF 386-187-00		Scan cap bridge incl. AnoTite screw	L 10.0 mm	
REF 386-188-00		AngleFix scan cap incl. AnoTite screw	L 10.0 mm	
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm

## Components series of abutments S ■ Prosthetics

### ■ Titanium

REF 386-130-00		Titanium abutment S, incl. AnoTite screw	GH 1.0 mm	L 7.0 mm
REF 386-131-00		Titanium abutment S, incl. AnoTite screw	GH 2.5 mm	L 8.5 mm
REF 386-132-00		Titanium abutment S, incl. AnoTite screw	GH 4.0 mm	L 10.0 mm
REF 386-135-00		Titanium abutment S, incl. AnoTite screw	GH 1.5 mm 15°	L 9.0 mm,
REF 386-136-00		Titanium abutment S, incl. AnoTite screw	GH 3.0 mm 15°	L 10.5 mm,
REF 386-138-00		Titanium abutment S, adjustable cylindrical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm
REF 386-139-00		Titanium abutment S, adjustable anatomical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm

# Prosthetics ■ Components series of abutments S

## ■ Bar

REF 386-140-00		Bar abutment S	GH 1.0 mm
REF 386-141-00		Bar abutment S	GH 2.5 mm
REF 386-142-00		Bar abutment S	GH 4.0 mm
REF 386-143-00		Bar abutment S	GH 5.5 mm
REF 386-410-00		Closure screw bar	L 3.3 mm
REF 386-412-00		Impression post bar inc. screw	L 10.0 mm
REF 386-414-00		Screw, impression post bar	M 1.6 L 16.0 mm
REF 386-416-00		Laboratory implant bar	L 12.0 mm
REF 386-417-00		Laboratory implant bar for printed and cast models incl. screw	L 12.0 mm
REF 386-420-00		Plastic cap bar, incl. AnoTite screw	L 12.0 mm
REF 386-422-00		Titanium cap bar, laser technique, incl. AnoTite screw	L 4.5 mm
REF 386-426-00		Titanium cap bar, adhesive technique, incl. AnoTite screw	L 4.5 mm
REF 386-430-00		Titanium cap bar, incl. AnoTite screw	L 10.8 mm
REF 386-176-00		Scan cap bar titanium incl. AnoTite screw	
REF 386-186-00		Scan cap bar incl. AnoTite screw	L 10.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6 L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6 L 6.0 mm

## Components series of abutments S ■ Prosthetics

### ■ Bridge

REF 386-157-00		Bridge abutment S	GH 1.0 mm
REF 386-158-00		Bridge abutment S	GH 2.5 mm
REF 386-159-00		Bridge abutment S	GH 4.0 mm
REF 386-470-00		Closure screw bridge	L 5.0 mm
REF 386-472-00		Impression post bridge, open incl. screw	L 11.0 mm
REF 386-474-00		Impression post bridge, closed, incl. impression cap, cap for bite registration, AnoTite screw	L 7.5 mm
REF 386-462-00		AngleFix / bridge impression cap, closed, 5 pieces	
REF 386-464-00		AngleFix / bridge cap for bite registration, closed, 5 pieces	
REF 386-477-00		Laboratory implant bridge for printed and cast models incl. screw	L 12.0 mm
REF 386-478-00		Plastic cap bridge incl. AnoTite screw	L 11.0 mm
REF 386-480-00		Titanium cap bridge, incl. AnoTite screw	L 11.0 mm
REF 386-177-00		Scan cap bridge titanium incl. AnoTite screw	L 10.0 mm
REF 386-187-00		Scan cap bridge incl. AnoTite screw	L 10.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6      L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix, for laboratory use only	M 1.6      L 6.0 mm

# Prosthetics ■ Components series of abutments S

## ■ AngleFix

REF 386-144-00		AngleFix abutment S	GH 1.0 mm	
REF 386-146-00		AngleFix abutment S incl. AnoTite screw	GH 2.5 mm 18°	
REF 386-148-00		AngleFix abutment S incl. AnoTite screw	GH 2.5 mm 32°	
REF 386-452-00		AngleFix impression post, open incl. screw		
REF 386-454-00		AngleFix impression post closed, incl. impression cap, bite registration cap, AnoTite screw		
REF 386-462-00		AngleFix / bridge impression cap, closed, 5 pieces		
REF 386-464-00		AngleFix / bridge cap for bite registration, closed, 5 pieces		
REF 386-450-00		AngleFix closure screw		
REF 386-457-00		AngleFix laboratory implant for printed and cast models incl. screw	L 12.0 mm	
REF 386-458-00		AngleFix plastic cap incl. AnoTite screw		
REF 386-460-00		AngleFix titanium cap, incl. AnoTite screw		
REF 386-178-00		AngleFix scan cap titanium incl. AnoTite screw	L 10.0 mm	
REF 386-188-00		AngleFix scan cap incl. AnoTite screw	L 10.0 mm	
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm
REF 386-466-18		AngleFix measurement guide	18°	
REF 386-466-32		AngleFix measurement guide	32°	
REF 386-468-00		AngleFix cylindrical pin for screw aperture		

# Components series of abutments S ■ Prosthetics

compatible with LOCATOR®

## ■ tioLOC

REF 386-151-00		tioLOC abutment S, tioLogic®	GH 1.0 mm
REF 386-152-00		tioLOC abutment S, tioLogic®	GH 2.0 mm
REF 386-153-00		tioLOC abutment S, tioLogic®	GH 3.0 mm
REF 386-154-00		tioLOC abutment S, tioLogic®	GH 4.0 mm
REF 386-155-00		tioLOC abutment S, tioLogic®	GH 5.0 mm
REF 346-512-00*		Impression cap 2 pieces	ø 4.0 mm L 10.0 mm
REF 346-514-00*		Laboratory analog 2 pieces	ø 4.0 mm L 10.0 mm
REF 346-516-00*		Set of assorted caps: 1 stainless steel case for caps 1 protective plate 1 laboratory cap 3 retention caps (with internal pin)	
REF 346-518-00*		Replacement for laboratory caps (with internal pin), 4 pieces	GH 1.0 mm
REF 346-520-00*		Yellow retention cap (with internal pin), 4 pieces	700 g 0-20°
REF 346-522-00*		Pink retention cap (with internal pin), 4 pieces	900 g 0-20°
REF 346-524-00*		Transparent retention cap (with internal pin), 4 pieces	1500 g 0-20°
REF 346-526-00*		Violet retention cap (with internal pin), 4 pieces	2700 g 0-20°
REF 346-530-00*		Protective plate, pink 10 pieces	
REF 347-745-00*		Elastic cap insertion/removal tool	

# Prosthetics ■ Components series of abutments S

## ■ Ball abutment

REF 386-160-00		Ball abutment S	GH 1.5 mm Ball abutment ø 2.25 mm
REF 386-161-00		Ball abutment S	GH 3.0 mm Ball abutment ø 2.25 mm
REF 386-162-00		Ball abutment S	GH 4.5 mm Ball abutment ø 2.25 mm
REF 386-614-00		Ball abutment laboratory implant	
REF 386-630-00		Dalbo®-PLUS matrix TE basic	
REF 386-631-00		Lamellae retention insert E for matrix Dalbo®-PLUS	



Complete solution for your CAD/CAM process.



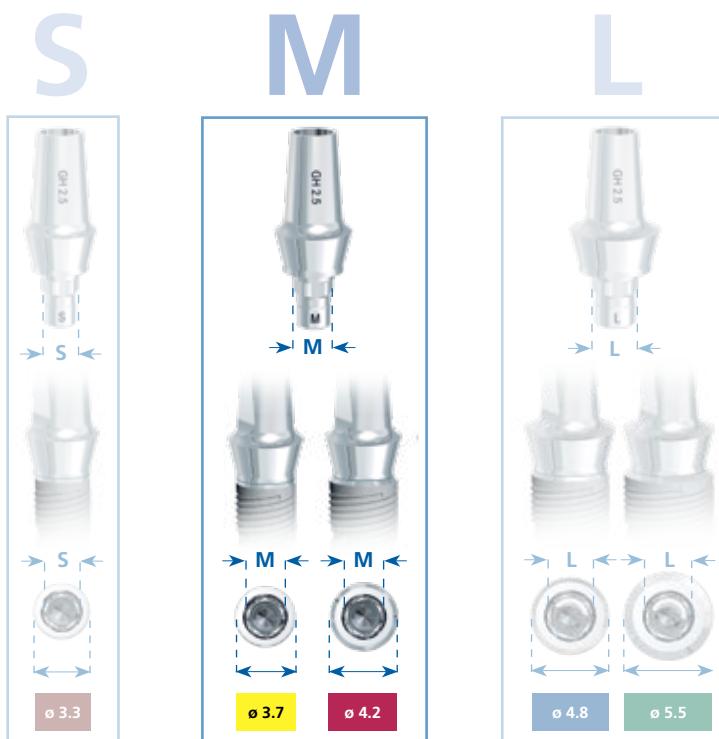
At [www.dentaurum-implants.com](http://www.dentaurum-implants.com), Dentaurum Implants provides a download service for tioLogic<sup>®</sup> CAD/CAM data records for 3shape, **dental wings** and **exocad** and integrates them into the respective software.





## Series of abutments M

for ø 3.7 mm and ø 4.2 mm tioLogic® ST implants.



# Components series of abutments M ■ Prosthetics

## ■ Impression materials

REF 385-210-00		Impression post M, open incl. screw with shortened thread		L 10.0 mm
REF 385-212-00		Impression post M, open incl. screw with shortened thread		L 14.0 mm
REF 385-910-00		Screw for impression post, open, L 10.0 mm	M 1.6	L 16.0 mm
REF 385-912-00		Screw for impression post, open, L 14.0 mm	M 1.6	L 25.0 mm
REF 385-220-00		Impression post M, closed incl. impression cap M and retaining screw		L 7.0 mm
REF 385-222-00		Impression cap M 5 pieces		L 6.0 mm
REF 385-224-00		Positioning aid M for impression post M, closed		L 9.6 mm
REF 386-932-00		Retaining screw for scan abutment and closed impression	M 1.6	L 14 mm

## ■ Model

REF 385-232-00		Laboratory implant M for printed and cast models		L 12.0 mm
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## ■ Temporary restoration

REF 384-230-00		Temporary abutment M incl. screw	GH 3.0 mm	L 12.0 mm
REF 384-910-00		Screw for temporary abutment	M 1.6	L 13.5 mm

# Prosthetics ■ Components series of abutments M

## ■ CAD/CAM components

REF 386-279-00		Scan abutment titanium M incl. retaining screw		
REF 386-932-00		Retaining screw for scan abutment and closed impression	M 1.6	L 14.0 mm
REF 386-213-00		CAD/CAM titanium base M incl. AnoTite screw	GH 0.5 mm	
REF 386-296-00		Modelling sleeve for CAD/CAM titanium base M, adjustable		
REF 386-295-00		CAD/CAM titanium base M CEREC, Sirona, incl. AnoTite screw	GH 0.5 mm	
REF 386-297-00		CAD/CAM titanium block M, PreForm, incl. AnoTite screw		
REF 386-176-00		Scan cap bar titanium incl. AnoTite screw		L 10.0 mm
REF 386-177-00		Scan cap bridge titanium incl. AnoTite screw		L 10.0 mm
REF 386-178-00		AngleFix scan cap titanium incl. AnoTite screw		L 10.0 mm
REF 386-186-00		Scan cap bar incl. AnoTite screw		L 10.0 mm
REF 386-187-00		Scan cap bridge incl. AnoTite screw		L 10.0 mm
REF 386-188-00		AngleFix scan cap incl. AnoTite screw		L 10.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm

## Components series of abutments M ■ Prosthetics

### ■ Titanium

REF 386-230-00		Titanium abutment M, incl. AnoTite screw	GH 1.0 mm	L 7.0 mm
REF 386-231-00		Titanium abutment M, incl. AnoTite screw	GH 2.5 mm	L 8.5 mm
REF 386-232-00		Titanium abutment M, incl. AnoTite screw	GH 4.0 mm	L 10.0 mm
REF 386-235-00		Titanium abutment M, incl. AnoTite screw	GH 1.5 mm, 20°	L 9.0 mm
REF 386-236-00		Titanium abutment M, incl. AnoTite screw	GH 3.0 mm, 20°	L 10.5 mm
REF 386-238-00		Titanium abutment M, adjustable, cylindrical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm
REF 386-239-00		Titanium abutment M, adjustable anatomical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm

# Prosthetics ■ Components series of abutments M

## ■ Bar

REF 386-240-00		Bar abutment M	GH 1.0 mm
REF 386-241-00		Bar abutment M	GH 2.5 mm
REF 386-242-00		Bar abutment M	GH 4.0 mm
REF 386-243-00		Bar abutment M	GH 5.5 mm
REF 386-410-00		Closure screw bar	L 3.3 mm
REF 386-412-00		Impression post bar inc. screw	L 10.0 mm
REF 386-417-00		Laboratory implant bar for printed and cast models incl. screw	L 12.0 mm
REF 386-414-00		Screw, impression post bar	M 1.6 L 16.0 mm
REF 386-420-00		Plastic cap bar, incl. AnoTite screw	L 12.0 mm
REF 386-422-00		Titanium cap bar, laser technique, incl. AnoTite screw	L 4.5 mm
REF 386-426-00		Titanium cap bar, adhesive technique, incl. AnoTite screw	L 4.5 mm
REF 386-430-00		Titanium cap bar, incl. AnoTite screw	L 10.8 mm
REF 386-176-00		Scan cap bar titanium incl. AnoTite screw	L 10.0 mm
REF 386-186-00		Scan cap bar incl. AnoTite screw	L 10.0 mm
REF 386-912-00		AnoTite screw Bar / bridge / AngleFix	M 1.6 L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6 L 6.0 mm

## Components series of abutments M ■ Prosthetics

### ■ Bridge

REF 386-257-00		Bridge abutment M	GH 1.0 mm
REF 386-258-00		Bridge abutment M	GH 2.5 mm
REF 386-259-00		Bridge abutment M	GH 4.0 mm
REF 386-470-00		Closure screw bridge	L 5.0 mm
REF 386-472-00		Impression post bridge, open incl. screw	L 11.0 mm
REF 386-474-00		Impression post bridge, closed, incl. impression cap, cap for bite registration, AnoTite screw	L 7.5 mm
REF 386-462-00		AngleFix / bridge impression cap, closed, 5 pieces	
REF 386-464-00		AngleFix / bridge cap for bite registration, closed, 5 pieces	
REF 386-477-00		Laboratory implant bridge for printed and cast models incl. screw	L 12.0 mm
REF 386-478-00		Plastic cap bridge incl. AnoTite screw	L 11.0 mm
REF 386-480-00		Titanium cap bridge, incl. AnoTite screw	L 11.0 mm
REF 386-177-00		Scan cap bridge titanium incl. AnoTite screw	L 10.0 mm
REF 386-187-00		Scan cap bridge incl. AnoTite screw	L 10.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6      L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix, for laboratory use only	M 1.6      L 6.0 mm

# Prosthetics ■ Components series of abutments M

## ■ AngleFix

REF 386-244-00		AngleFix abutment M	GH 1.0 mm	
REF 386-246-00		AngleFix abutment M incl. AnoTite screw	GH 2.5 mm 18°	
REF 386-248-00		AngleFix abutment M incl. AnoTite screw	GH 2.5 mm 32°	
REF 386-452-00		AngleFix impression post, open incl. screw		
REF 386-454-00		AngleFix impression post, closed, incl. impression cap, bite registration cap, AnoTite screw		
REF 386-462-00		AngleFix / bridge impression cap, closed, 5 pieces		
REF 386-464-00		AngleFix / bridge cap for bite registration, closed, 5 pieces		
REF 386-450-00		AngleFix closure screw		
REF 386-457-00		AngleFix laboratory implant for printed and cast models incl. screw	L 12.0 mm	
REF 386-458-00		AngleFix plastic cap incl. AnoTite screw		
REF 386-460-00		AngleFix titanium cap, incl. AnoTite screw		
REF 386-178-00		AngleFix scan cap titanium incl. AnoTite screw	L 10.0 mm	
REF 386-188-00		AngleFix scan cap incl. AnoTite screw	L 10.0 mm	
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw Bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm
REF 386-466-18		AngleFix measurement guide	18°	
REF 386-466-32		AngleFix measurement guide	32°	
REF 386-468-00		AngleFix cylindrical pin for screw aperture		

compatible with LOCATOR®

## Components series of abutments M ■ Prosthetics

### ■ tioLOC

REF 386-251-00		tioLOC abutment M, tioLogic®	GH 1.0 mm
REF 386-252-00		tioLOC abutment M, tioLogic®	GH 2.0 mm
REF 386-253-00		tioLOC abutment M, tioLogic®	GH 3.0 mm
REF 386-254-00		tioLOC abutment M, tioLogic®	GH 4.0 mm
REF 386-255-00		tioLOC abutment M, tioLogic®	GH 5.0 mm
REF 346-512-00*		Impression cap 2 pieces	ø 4.0 mm      L 10.0 mm
REF 346-514-00*		Laboratory analog 2 pieces	ø 4.0 mm      L 10.0 mm
REF 346-516-00*		Set of assorted caps: 1 stainless steel case for caps 1 protective plate 1 laboratory cap 3 retention caps (with internal pin)	
REF 346-518-00*		Replacement for laboratory caps (with internal pin), 4 pieces	GH 1.0 mm
REF 346-520-00*		Yellow retention cap (with internal pin), 4 pieces	700 g 0-20°
REF 346-522-00*		Pink retention cap (with internal pin), 4 pieces	900 g 0-20°
REF 346-524-00*		Transparent retention cap (with internal pin), 4 pieces	1500 g 0-20°
REF 346-526-00*		Violet retention cap (with internal pin), 4 pieces	2700 g 0-20°
REF 346-530-00*		Protective plate, pink 10 pieces	
REF 347-745-00*		Elastic cap insertion/removal tool	

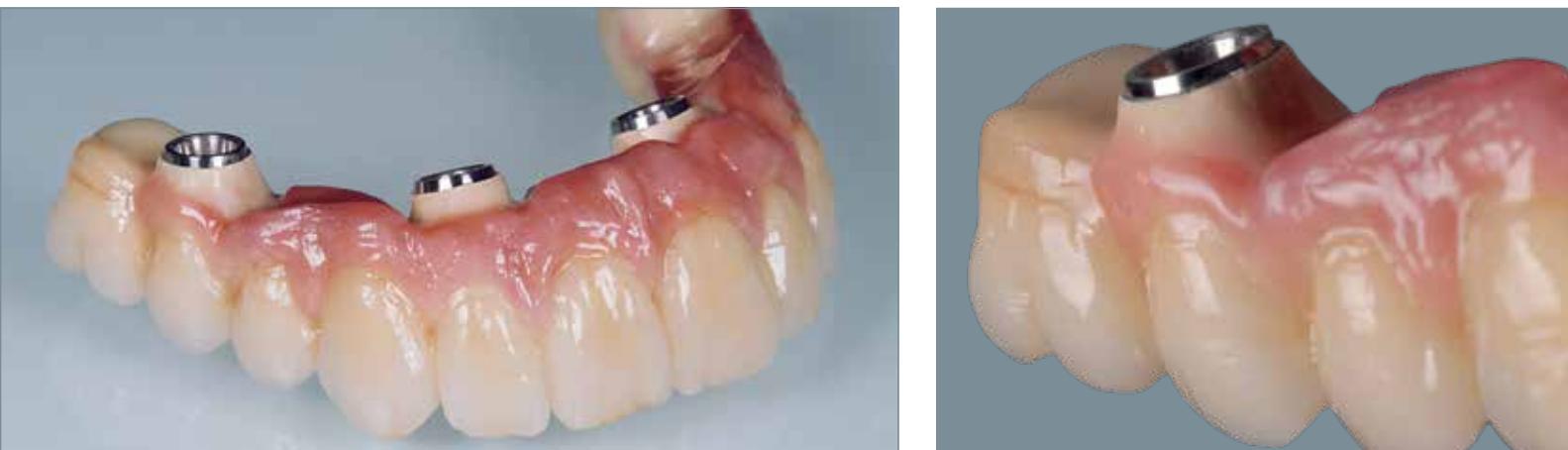
\* not permitted for tioLogic® / tioLogic® ST implants ø 3.3 mm

# Prosthetics ■ Components series of abutments M

## ■ Ball abutment

REF 386-260-00		Ball abutment M	GH 1.5 mm Ball abutment ø 2.25 mm
REF 386-261-00		Ball abutment M	GH 3.0 mm Ball abutment ø 2.25 mm
REF 386-262-00		Ball abutment M	GH 4.5 mm Ball abutment ø 2.25 mm
REF 386-614-00		Ball abutment laboratory implant	
REF 386-630-00		Dalbo®-PLUS matrix TE basic	
REF 386-631-00		Lamellae retention insert E for matrix Dalbo®-PLUS	

## „All-on-4“ restoration



### „All-on-4“ restoration

Highly aesthetical, yet economical restorations in an edentulous jaw on four tioLogic® implants (from Dentaurum Implants GmbH) with a framework milled from remanium® star and with a ceraMotion® veneer.

The amount of bone available in the anterior region is used in such a way that a fixed dental prosthesis over only 4 implants is possible.



**tioLogic**  
ST



remanium®  
**star** R



**ceraMotion**®



## Series of abutments L

for  $\varnothing$  4.8 mm and  $\varnothing$  5.5 mm tioLogic<sup>®</sup> ST implants.



# Components series of abutments L ■ Prosthetics

## ■ Impression materials

REF 385-310-00		Impression post L, open incl. screw with shortened thread		L 10.0 mm
REF 385-312-00		Impression post L, open incl. screw with shortened thread		L 14.0 mm
REF 385-910-00		Screw for impression post, open, L 10.0 mm	M 1.6	L 16.0 mm
REF 385-912-00		Screw for impression post, open, L 14.0 mm	M 1.6	L 25.0 mm
REF 385-320-00		Impression post L, closed incl. impression cap L and retaining screw		L 7.0 mm
REF 385-322-00		Impression cap L 5 pieces		L 6.0 mm
REF 385-324-00		Positioning aid L for impression post L, closed		L 9.6 mm
REF 386-932-00		Retaining screw for scan abutment and closed impression	M 1.6	L 14 mm

## ■ Model

REF 385-332-00		Laboratory implant L for printed and cast models		L 12.0 mm
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## ■ Temporary restoration

REF 384-330-00		Temporary abutment L incl. screw	GH 3.0 mm	L 12.0 mm
REF 384-910-00		Screw for temporary abutment	M 1.6	L 13.5 mm

# Prosthetics ■ Components series of abutments L

## ■ CAD/CAM components

REF 386-379-00		Scan abutment L incl. retaining screw	M 1.6	L 14.0 mm
REF 386-932-00		Retaining screw for scan abutment and closed impression	M 1.6	L 14.0 mm
REF 386-313-00		CAD/CAM titanium base L incl. AnoTite screw	GH 0.5 mm	
REF 386-396-00		Modelling sleeve for CAD/CAM titanium base L, adjustable		
REF 386-395-00		CAD/CAM titanium base L CEREC, Sirona, incl. AnoTite screw	GH 0.5 mm	
REF 386-397-00		CAD/CAM titanium block L, PreForm, incl. AnoTite screw		
REF 386-176-00		Scan cap bar titanium incl. AnoTite screw		L 10.0 mm
REF 386-177-00		Scan cap bridge titanium incl. AnoTite screw		L 10.0 mm
REF 386-178-00		AngleFix scan cap titanium incl. AnoTite screw		L 10.0 mm
REF 386-186-00		Scan cap bar incl. AnoTite screw		L 10.0 mm
REF 386-187-00		Scan cap bridge incl. AnoTite screw		L 10.0 mm
REF 386-188-00		AngleFix scan cap incl. AnoTite screw		L 10.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm

## Components series of abutments L ■ Prosthetics

### ■ Titanium

REF 386-330-00		Titanium abutment L, incl. AnoTite screw	GH 1.0 mm	L 7.0 mm
REF 386-331-00		Titanium abutment L, incl. AnoTite screw	GH 2.5 mm	L 8.5 mm
REF 386-332-00		Titanium abutment L, incl. AnoTite screw	GH 4.0 mm	L 10.0 mm
REF 386-335-00		Titanium abutment L, incl. AnoTite screw	GH 1.5 mm, 20°	L 9.0 mm
REF 386-336-00		Titanium abutment L, incl. AnoTite screw	GH 3.0 mm, 20°	L 10.5 mm
REF 386-338-00		Titanium abutment L, adjustable, cylindrical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm
REF 386-339-00		Titanium abutment L, adjustable anatomical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm

# Prosthetics ■ Components series of abutments L

## ■ Bar

REF 386-340-00		Bar abutment L	GH 1.0 mm	
REF 386-341-00		Bar abutment L	GH 2.5 mm	
REF 386-342-00		Bar abutment L	GH 4.0 mm	
REF 386-343-00		Bar abutment L	GH 5.5 mm	
REF 386-410-00		Closure screw bar	L 3.3 mm	
REF 386-412-00		Impression post bar inc. screw	L 10.0 mm	
REF 386-417-00		Laboratory implant bar, for printed and cast models incl. screw	L 12.0 mm	
REF 386-414-00		Screw, impression post bar	M 1.6	L 16.0 mm
REF 386-420-00		Plastic cap bar, incl. AnoTite screw	L 12.0 mm	
REF 386-422-00		Titanium cap bar, laser technique, incl. AnoTite screw	L 4.5 mm	
REF 386-426-00		Titanium cap bar, adhesive technique, incl. AnoTite screw	L 4.5 mm	
REF 386-430-00		Titanium cap bar, incl. AnoTite screw	L 10.8 mm	
REF 386-176-00		Scan cap bar titanium incl. AnoTite screw	L 10.0 mm	
REF 386-186-00		Scan cap bar incl. AnoTite screw	L 10.0 mm	
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm

## Components series of abutments L ■ Prosthetics

### ■ Bridge

REF 386-357-00		Bridge abutment L	GH 1.0 mm
REF 386-358-00		Bridge abutment L	GH 2.5 mm
REF 386-359-00		Bridge abutment L	GH 4.0 mm
REF 386-470-00		Closure screw bridge	L 5.0 mm
REF 386-472-00		Impression post bridge, open incl. screw	L 11.0 mm
REF 386-474-00		Impression post bridge, closed, incl. impression cap, cap for bite registration, Anotite screw	L 7.5 mm
REF 386-462-00		AngleFix / bridge impression cap, closed, 5 pieces	
REF 386-464-00		AngleFix / bridge cap for bite registration, closed, 5 pieces	
REF 386-477-00		Laboratory implant bridge for printed and cast models incl. screw	L 12.0 mm
REF 386-478-00		Plastic cap bridge incl. AnoTite screw	L 11.0 mm
REF 386-480-00		Titanium cap bridge, incl. AnoTite screw	L 11.0 mm
REF 386-177-00		Scan cap bridge titanium incl. AnoTite screw	L 10.0 mm
REF 386-187-00		Scan cap bridge incl. AnoTite screw	L 10.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6      L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix, for laboratory use only	M 1.6      L 6.0 mm

# Prosthetics ■ Components series of abutments L

## ■ AngleFix

REF 386-344-00		AngleFix abutment L	GH 1.0 mm	
REF 386-346-00		AngleFix abutment L incl. AnoTite screw	GH 2.5 mm 18°	
REF 386-348-00		AngleFix abutment L incl. AnoTite screw	GH 2.5 mm 32°	
REF 386-452-00		AngleFix impression post, open incl. screw		
REF 386-454-00		AngleFix impression post, closed, incl. impression cap, bite registration cap, AnoTite screw		
REF 386-462-00		AngleFix / bridge impression cap, closed, 5 pieces		
REF 386-464-00		AngleFix / bridge cap for bite registration, closed, 5 pieces		
REF 386-450-00		AngleFix closure screw		
REF 386-457-00		AngleFix laboratory implant for printed and cast models incl. screw	L 12.0 mm	
REF 386-458-00		AngleFix plastic cap incl. AnoTite screw		
REF 386-460-00		AngleFix titanium cap, incl. AnoTite screw		
REF 386-178-00		AngleFix scan cap titanium incl. AnoTite screw	L 10.0 mm	
REF 386-188-00		AngleFix scan cap incl. AnoTite screw	L 10.0 mm	
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw bar / bridge / AngleFix	M 1.6	L 6.0 mm
REF 386-916-00		Prosthetic screw bar / bridge / AngleFix for laboratory use only	M 1.6	L 6.0 mm
REF 386-466-18		AngleFix measurement guide	18°	
REF 386-466-32		AngleFix measurement guide	32°	
REF 386-468-00		AngleFix cylindrical pin for screw aperture		

compatible with LOCATOR®

## Components series of abutments L ■ Prosthetics

### ■ tioLOC

REF 386-351-00		tioLOC abutment L, tioLogic®	GH 1.0 mm
REF 386-352-00		tioLOC abutment L, tioLogic®	GH 2.0 mm
REF 386-353-00		tioLOC abutment L, tioLogic®	GH 3.0 mm
REF 386-354-00		tioLOC abutment L, tioLogic®	GH 4.0 mm
REF 386-355-00		tioLOC abutment L, tioLogic®	GH 5.0 mm
REF 346-512-00*		Impression cap 2 pieces	ø 4.0 mm    L 10.0 mm
REF 346-514-00*		Laboratory analog 2 pieces	ø 4.0 mm    L 10.0 mm
REF 346-516-00*		Set of assorted caps: 1 stainless steel case for caps 1 protective plate 1 laboratory cap 3 retention caps (with internal pin)	
REF 346-518-00*		Replacement for laboratory caps (with internal pin), 4 pieces	GH 1.0 mm
REF 346-520-00*		Yellow retention cap (with internal pin), 4 pieces	700 g 0-20°
REF 346-522-00*		Pink retention cap (with internal pin), 4 pieces	900 g 0-20°
REF 346-524-00*		Transparent retention cap (with internal pin), 4 pieces	1500 g 0-20°
REF 346-526-00*		Violet retention cap (with internal pin), 4 pieces	2700 g 0-20°
REF 346-530-00*		Protective plate, pink 10 pieces	
REF 347-745-00*		Elastic cap insertion/removal tool	

# Prosthetics ■ Components series of abutments L

## ■ Ball abutment

REF 386-360-00		Ball abutment L	GH 1.5 mm Ball abutment ø 2.25 mm
REF 386-361-00		Ball abutment L	GH 3.0 mm Ball abutment ø 2.25 mm
REF 386-362-00		Ball abutment L	GH 4.5 mm Ball abutment ø 2.25 mm
REF 386-614-00		Ball abutment laboratory implant	
REF 386-630-00		Dalbo®-PLUS matrix TE basic	
REF 386-631-00		Lamellae retention insert E for matrix Dalbo®-PLUS	



## DIGITAL IMPLANTOLOGY.

Complete solution for your CAD/CAM process.



At [www.dentaurum-implants.com](http://www.dentaurum-implants.com), Dentaurum Implants provides a download service for tioLogic® CAD/CAM data records for 3shape, **dental wings** and **exocad** and integrates them into the respective software.



# ACCESSORIES

# YES!



I WANT  
A MODERN  
IMPLANT SYSTEM.

Product development of surgical and prosthetic accessories at Dentaurum Implants also focuses on the user. An efficient, reliable, precise technique is only possible with an implant system that has specifically designed accessories.



# Accessories ■ Surgery

## ■ Single items

REF 387-509-00		Drill extension – ISO shank hexagon	L 21.0 mm
REF 387-511-00		Adapter – ISO shank hexagon / ratchet	L 15.0 mm
REF 387-514-00		Paralleling pin	ø 1.4 / 2.0 mm L 27.0 mm
REF 387-523-00		Implant insertion key – ratchet ø 3.3 mm	ø 3.3 mm
REF 387-524-00		Implant insertion key – ratchet ø 3.7 mm / ø 4.2 mm	ø 3.7 / 4.2 mm
REF 387-525-00		Implant insertion key – ratchet ø 4.8 mm / ø 5.5 mm	ø 4.8 / 5.5 mm
REF 387-515-00		Hex key – ISO shank hexagon	2.5 L 19.0 mm
REF 387-517-00		Hex key – ISO shank hexagon	2.5 L 25.0 mm
REF 387-519-00		Hex key – ratchet	2.5 L 8.0 mm
REF 387-520-00		Hex key – ratchet	2.5 L 13.0 mm
REF 387-522-00		Hex key – ratchet	2.5 L 23.0 mm

## Surgery – single items trays ■ Accessories

### ■ Osteotome tray

**REF 350-103-00**



Osteotome tray  
not equipped

### ■ Single items

**REF 350-170-00**



Osteotome  
concave, angled

$\varnothing$  2.0 mm

**REF 350-172-00**



Osteotome  
concave, angled

$\varnothing$  3.3 mm

**REF 350-174-00**



Osteotome  
concave, angled

$\varnothing$  3.7 mm

**REF 350-176-00**



Osteotome  
concave, angled

$\varnothing$  4.2 mm

**REF 350-178-00**



Osteotome  
concave, angled

$\varnothing$  4.8 mm

**REF 350-180-00**



Osteotome  
concave, angled

$\varnothing$  5.5 mm

# Accessories ■ Surgery – Prosthetics

## ■ Single items

REF 385-124-00		Positioning aid S for impression post S, closed		L 9.6 mm
REF 385-224-00		Positioning aid M for impression post M, closed		L 9.6 mm
REF 385-324-00		Positioning aid L for impression post L, closed		L 9.6 mm
REF 387-610-00		Hex key ISO shank	1.3	L 20.0 mm
REF 387-612-00		Hex key ISO shank	1.3	L 26.0 mm
REF 387-620-00		Hex key ratchet	1.3	L 16.0 mm
REF 387-622-00		Hex key ratchet	1.3	L 26.0 mm
REF 387-642-00		Insertion key bar / bridge / AngleFix – ratchet, incl. screw		L 15.0 mm
REF 387-644-00		Insertion key bar / bridge / AngleFix – ratchet, incl. screw		L 20.0 mm
REF 387-650-00		Insertion key LOCATOR® abutment – ratchet		L 15.5 mm
REF 387-660-00		Insertion key Ball abutment – ratchet		L 15.0 mm
REF 387-800-00		Torque ratchet with blocking function – scaled-down illustration –	15 – ∞ Ncm	
REF 387-602-00		Sure-grip wheel – scaled-down illustration –	ø 18,0 mm	
REF 387-604-00		Locking key for insertion aid – scaled-down illustration –	3.6	L 79.0 mm
REF 387-415-00		Silicone o-rings 10 pieces		

## ■ Single items

REF 387-112-00		Polishing aid S
REF 387-212-00		Polishing aid M
REF 387-312-00		Polishing aid L
REF 387-720-00		Milling cutter – bar abutment
REF 387-730-00		Countersink – screw fit AnoTite screw – scaled-down illustration –
REF 386-468-00		AngleFix cylindrical pin for screw aperture
REF 387-663-00		Screwdriver / activator for Dalbo®-PLUS

## ■ Selection aid set

REF 388-400-00		Selection aid set S/M/L
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## ■ Demonstration models

REF 388-452-00		Demo implant tioLogic® ST, M	scale 5:1
REF 388-432-00		Demo titanium abutment M GH 2.5 mm, with AnoTite screw	scale 5:1
REF 388-448-00		Acrylic display M for demo, equipped	scale 5:1
REF 388-410-00		Demo model acrylic, upper jaw, partially toothed, 4 implants, without prosthetics	scale 1:1



SERVICE.

YES!



I WANT  
QUALIFIED  
EXPERT KNOWLEDGE.

In implantology in particular, comprehensive, concise and meaningful information is indispensable. Information on the tioLogic® ST implant system is therefore available both in digital and in traditional form.



# Service.

## Information material.

### **B** Basic user documentation.

The basic folder presents facts concisely on the most important tioLogic® ST components and their advantage to the user. The Surgery Manual describes the complete process from diagnosis and implant insertion to impression taking. The Prosthetic Manual carries on where the Surgery Manual left off; describing various methods of prosthetic restoration by means of many diagrams and photos.

### **S** Specialized user information.

Use the Implant Planning form to fill out all relevant planning details and transfer these to the dental laboratory for prosthetic planning. The Surgical Protocol documents after surgery all data specific to the implant and the insertion operation for each individual case. The Practice Record Card acts as a messenger between dental office and dental laboratory making for effective and rapid communication of all relevant implant and prosthetic data.

### **G** Documentation for personal consultancy.

This specialized communication medium is designed for use in personal patient consultancy. It acts as a guideline and explains the principle behind implant treatment in a clear and comprehensible manner.

### **P** Patient Information.

Extensive patient consultation and education builds trust in the implantologist and is an important requirement for the success of treatment with implant-supported dental restorations. Dentaurum Implants offers a compact range of high-quality materials developed in close cooperation with experienced users.

## ■ Information material for user

- REF 989-965-20 **B** Product catalog, tioLogic® ST implant system  
REF 989-767-10 **S** Bibliography  
REF 989-801-09 **S** Processing Instructions Instruments and Accessories  
REF 989-801-06 **S** Materials list implantology

## Surgery

- REF 989-958-20 **B** Basic folder, tioLogic® ST implant system  
REF 989-959-20 **B** Surgery Manual, tioLogic® ST implant system  
REF 989-608-20 **B** Folder pOsition for tioLogic®  
REF 989-187-12 **S** Preparation protocol with STANDARD preparation instruments.  
REF 989-187-22 **S** Preparation protocol with ADVANCED preparation instruments.  
REF 989-188-12 **S** tioLogic® overview – Tightening torques, torque ratchet (laminated)  
REF 989-966-02 **S** Surgical Protocol, tioLogic® ST / tioLogic® TWINFIT implant system  
REF 989-966-13 **S** Implant Planning, tioLogic® implant system  
REF 989-800-47 **S** Overview Frequency of drill application ADVANCED for tioLogic®  
REF 989-800-52 **S** Overview Frequency of drill application STANDARD for tioLogic®  
REF 989-800-66 **S** Overview Frequency of drill application pOsition for tioLogic®

## Prosthetics

- REF 989-960-20 **B** Prosthetics Manual, tioLogic® ST implant system  
REF 989-702-12 **B** tioLogic® digital.  
REF 989-966-22 **S** Practice Record Card tioLogic® ST / tioLogic® TWINFIT implant system  
REF 989-800-86 **B** Manual tioLogic® digital

## ■ Information material for patients

- REF 989-996-20 **P** tioLogic® patient information  
REF 989-961-20 **P** PatientPass tioLogic® ST / tioLogic® TWINFIT

Technical information.

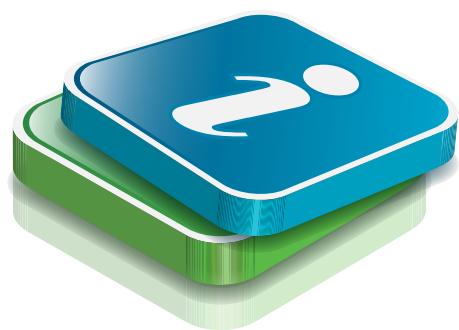
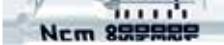
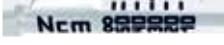
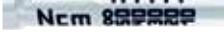
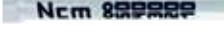
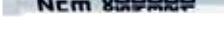
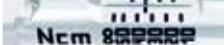
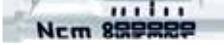
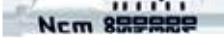


Table – Tightening torques for implants.\*

The torque ratchet is intended for clinical use only.

Prosthetic screws should be tightened with care manually in the laboratory.

Implant types		(depending on the bone density) max. 45 Ncm	
Closure screw Implant		15 Ncm or manually	
Closure screw bar		15 Ncm or manually	
Closure screw bridge		15 Ncm or manually	
Closure screw AngleFix		15 Ncm or manually	
Gingiva former		15 Ncm or manually	
Screw for impression post		15 Ncm or manually	
Retaining screw for closed impression		15 Ncm or manually	
Screw for temporary abutment		15 Ncm or manually	
AnoTite screw L 9.0 mm		30 Ncm	
Bar abutment		35 Ncm	
Bridge abutment		35 Ncm	
AngleFix abutment 0° GH 1.0 mm		35 Ncm	
AnoTite screw bar / bridge / AngleFix abutment L 6.0 mm		25 Ncm	
Ball abutment		35 Ncm	
tioLOC abutment		30 Ncm	
AnoTite screw for angulated screw apertures		25 Ncm	

\* Primary stable and osseointegrated

## Material composition.

**Implants ø 3.3, 3.7 and 4.2 mm**

Titanium Grade 5

**Implants ø 4.8 and 5.5 mm**

Titanium Grade 4

**Closure screws**

Titanium Grade 5

**Depth-stop sleeves**

Polycarbonate USP Class VI

**Gingiva former**

Titanium Grade 5

**Impression post:**

- Impression post, open
- Screw for impression post, open
- Impression post, closed and screw
- Impression cap for impression post, closed
- Screw for impression post, open, with shortened thread

Titanium Grade 5

Stainless steel, 1.4305

Titanium Grade 5

POM

Titanium Grade 5

**Temporary abutments:**

- Screw for temporary abutment

Titanium Grade 5

**Titanium abutments:**

- Titanium abutments straight/angulated
- CAD/CAM titanium base
- CAD/CAM titanium block
- Scan abutments and scan caps
- Scan abutments titanium and scan caps titanium

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

PEEK (polyether ether ketone)

Titanium Grade 5

Titanium Grade 5

PEEK (polyether ether ketone)

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

**Bar, bridge, AngleFix abutments**

Titanium Grade 5

**Ball abutment**

Titanium Grade 5

**Ball abutment laboratory implant**

Aluminum

**tioLOC abutment**

Titanium Grade 5

**Prosthetic screws:**

Titanium Grade 5

■ AnoTite screws

Titanium Grade 5

■ Prosthetic screws

Titanium Grade 5

■ Retaining screw

# Material composition ■ Technical information

## ■ Titanium Grade 4 DIN EN ISO 5832-2

### Chemical composition (% by mass)

O	0.4 % max.
Fe	0.5 % max.
C	0.1 % max.
N	0.05 % max.
H	0.0125 % max.
Ti	Residue

### Physical and mechanical properties

0.2% yield strength	520 MPa min.
Tensile strength	680 MPa min.
Elongation at rupture	10 % min.

## ■ Titanium Grade 5 DIN EN ISO 5832-3

### Chemical composition (% by mass)

Al	5.5 % – 6.75 %
V	3.5 % – 4.5 %
Fe	0.3 % max.
C	0.08 % max.
N	0.05 % max.
H	0.015 % max.
O	0.2 % max.
Ti	Residue

### Physical and mechanical properties

0.2% yield strength	780 MPa
Tensile strength	860 MPa
Elongation at rupture	10 % min.

## ■ Precious metal alloy

### Chemical composition (% by mass)

Au	60 %
Pt	19 %
Pd	20 %
Ir	1 %

### Physical and mechanical properties

Density	17.5 g/cm <sup>3</sup>
Melting range	1400 °C – 1490 °C / 2552 °F – 2714 °F
Tensile strength	> 750 MPa
Hardness	> 215 HV5
0.2% yield strength	> 650 MPa
Modulus of elasticity	136 GPa
Elongation at rupture	> 2 %
CTE (25–500 °C/77–1112 °F)	11.9 × 10 <sup>-6</sup> K <sup>-1</sup>
CTE (25–600 °C/77–1112 °F)	12.2 × 10 <sup>-6</sup> K <sup>-1</sup>
Condition	15 – 75 % KV
Precious metal abutment S	0.307 g
Precious metal abutment M	0.359 g
Precious metal abutment L	0.482 g

## ■ PEEK

### Chemical composition (% by mass)

Thermoplastic high-performance polymer

### Physical and mechanical properties

Yield strength	95 MPa
Elongation	> 25 %
Modulus of elasticity	4.2 GPa
Operating temperature	260 °C/300 °C (500 °F/572 °F) (continuous/temporary)

# Technical information ■ Quality system

## Quality Assurance



### Quality assurance for the user and patient.

Dentaurum Implants can look back on more than 25 years of experience in implantology while the parent company Dentaurum has more than 135 years of experience in dental prosthetics. This solid foundation ensures that development is based on a wealth of experience with the focus on the user and high-quality production of the tioLogic® ST implant system. In all its business activities, Dentaurum Implants GmbH, like the parent company Dentaurum GmbH & Co. KG, meets the requirements of the international quality management standards.

#### Norms:

- DIN EN ISO 9001:2000  
Quality management systems
- DIN EN ISO 13485 Medical devices  
Quality management systems

The term "quality management" covers systematic planning, implementation and documentation of all activities that have an influence on the quality of a product before, during and after its manufacture. The focus is not therefore solely on the final inspection of a product, but on continuous quality control during development of the product, from the raw material to manufacture right through to storage and sale. The above standards define in detail the criteria for ensuring comprehensive quality assurance by a company for all its operating procedures.

Based on this quality management system Dentaurum Implants guarantees traceability at all times, and that the quality of the products and services will meet the expectations of the customers and patients. The products fulfill the fundamental requirements of medical products in terms of product performance and patient safety as defined in European laws and directives. As the respective products of Dentaurum Implants GmbH meet the requirements of the European Directive 93/42/EEC for medical devices, they bear the CE mark.



### Environmental management system.

The environmental management system and the quality management system are integrated in the Dentaurum management system. The environmental management system is implemented by the Management System Working Group, which is made up of members representing environment protection, hazardous goods, health and safety, material science and quality management.

#### Scope of validation.

The environmental policy, environmental management system, environmental programs, environmental audit, environmental-audit scheme and the basic environmental statement of Dentaurum GmbH & Co. KG and Dentaurum Implants GmbH, Ispringen, Turnstr. 31, Germany, fully comply with the standards and requirements of the Regulation (EEC) No. 1221/2009 (EMAS III).

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