



tiologic
TWINFIT

conical

platform

PRODUCT CATALOG | 3

D
DENTAURUM



FOREWORD.

Dentaurum – Quality Made in Germany

Dear customers and partners,

Dental precision technology from the Black Forest for the world. True to this motto, Dentaurum has been developing and manufacturing products for orthodontics, prosthetics and ceramics for more than 135 years. Focus has always been on outstanding quality, continuous innovation and a high level of reliability. Based on the same principles, Dentaurum develops and sells products for implantology, thereby completing our product portfolio: from the root to the crown – all from one source.

Dental professionals from around the globe trust the products and services offered by Dentaurum – Made in Germany. This trust motivates us each day anew to develop new, innovative products for implantology and to continue to optimize existing products.

In this product catalog from Dentaurum, we are presenting our innovative implant system tioLogic® TWINFIT which gives you the opportunity to always choose the best connector geometry. You remain flexible when choosing an abutment thanks to the patented Abutment Switch. Pre/intra/postoperative: you have a choice between the conical and the platform connector geometry for the abutment.

Many improvements to details make the use of our products safer and more innovative. For example, our titanium scan abutments have a new HLD coating and the new retaining screw has a shortened thread. Dentaurum provides you with products, systems and services which are safe to handle and offer maximum flexibility and efficiency.

At 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
Dentaurum Management

Ralph Dittes

More than 25 years of science, innovation and service.

tioLogic®, the patented implant system – developed from the sum of our experience. For maximum safety, perfect aesthetics and easy handling.

1995

TIOLOX®



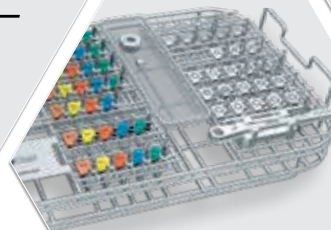
TIOLOX® implant system – the perfect fusion of function, safety and user friendliness.

tioLogic®
Implant system.

2007

2007

tioLogic®



tioLogic®
easyClean

2009

2010

tioLogic® digital.



tioLogic®
pOsition



2011

tioLogic® digital. Complete solution for your CAD/CAM workflow with tioLogic® implants.

Dentaurum has more than 25 years of experience in implantology and more than 135 years of expertise in the fields of dental prosthetics, titanium technology and orthodontics. The synergy potential this creates leads to groundbreaking innovations and results in solutions that are convincing – Made in Germany. Similarly, long-term scientific cooperations with experts at universities and clinics and ongoing discourse with dentists and dental technicians have been equally successful.

tioLogic® ST implant system and tioLogic® ADVANCED. For quick and atraumatic implant insertion and high primary stability.

2013



tioLogic® ST



tioLogic®
ADVANCED

2013

CITO mini® implant system – one-piece implants, reduced in diameter with ball abutment.

2015



CITO mini®

tioLogic®
Implant system.

2018

After more than 11 successful years, the brand tioLogic® makes a new appearance in a modern design.

2018



tioLogic®
TWINFIT

tioLogic® TWINFIT, the patented implant system. The unique Abutment Switch on one implant offers maximum flexibility in prosthetic restorations.

to be continued ...

Dentaurum.

Dental competence spanning more than 135 years.



Orthodontics



Implantology



Prosthetics



Ceramics



Photo: © Christian Ferrarini



*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.

Quality inspires confidence.

As the oldest independent dental company in the world, we have worldwide experience with high-quality dental products. We owe our success on the market to the fact that we consistently fulfill customer and market requirements. 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.

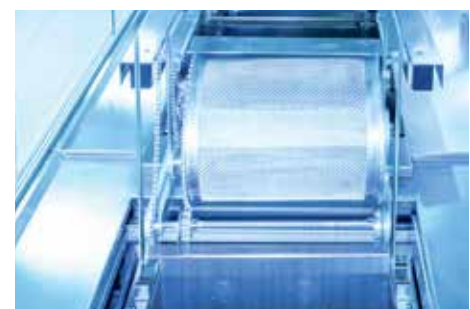
There are many reasons for using Dentaurum products both in the dental practice and in the laboratory. Quality is the decisive factor. Our company philosophy is to not only offer high quality products, but to also provide additional services. For example, we have a wide-ranging training program for new and advanced users with a team of course instructors with international experience. We're happy to provide you with more 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.

- *The tioLogic® TWINFIT implant system* 12

SURGERY.

■ *Planning and diagnosis.*

- Planning foils 24
- Planning aids 25

■ *Surgical-Tray for tioLogic® TWINFIT* 26

■ *Rotating instruments ADVANCED*

- Overview of instruments 28
- Pre-drill 29
- Depth drill 29
- Surface cutter 29
- Expander 29
- Thread tap 29

■ *Rotating instruments pOsition for tioLogic®*

- Overview instruments 30
- Basic sleeve 31
- Drill for basic sleeve 31
- Holder for basic sleeve 31
- Positioning pin for basic sleeve 32
- Inner sleeve 32
- Gingiva cutter 33
- Depth drill 33
- Stepped countersink 34
- Expander 35
- Thread tap 35

■ *Implants*

- tioLogic® TWINFIT implants 36

■ *Gingiva former*

- Gingiva former – cylindrical 38
- Gingiva former – anatomical 39

CONTENTS.

PROSTHETICS.

■ <i>ProtheticSet for tioLogic®</i>	42
■ <i>Series of abutments, S</i>	
Impression	45
Model	45
Temporary restorations	45
CAD/CAM components	46
Titanium	47
4Base	48
Ball abutment	50
tioLOC	51
tioLOC components	51
■ <i>Series of abutments, M</i>	
Impression	53
Model	53
Temporary restorations	53
CAD/CAM components	54
Titanium	55
4Base	56
Ball abutment	58
tioLOC	59
tioLOC components	59
■ <i>Series of abutments, L</i>	
Impression	61
Model	61
Temporary restorations	61
CAD/CAM components	62
Titanium	63
4Base	64
Ball abutment	66
tioLOC	67
tioLOC components	67

ACCESSORIES.

Osteotome tray	70
Individual item – Osteotomy	70
Individual item – Surgery	71
Individual item – Surgery/Prosthetics	72
Individual item – Prosthetics	73
Selection aid set	73
Demonstration models	73

SERVICE.

■ <i>Overview Surgery and Prosthetics</i>	76
■ <i>Information material</i>	78
■ <i>Torque ratchet</i>	
Table – Tightening torque	80
Inserts for torque ratchet	81
ISO shank inserts	81
■ <i>Material composition</i>	82
■ <i>Quality assurance and environmental management</i>	84
■ <i>Alphabetical index</i>	86
■ <i>Numerical index</i>	89
■ <i>Online Shop</i>	92

Implant system.

The new, patented implant system tioLogic® TWINFIT offers maximum flexibility from insertion to prosthetic restoration. The decision on which abutment is best for your patient – conical or platform – is yours. This gives you flexibility and the opportunity for individual choices.



ABUTMENT SWITCH

2 CONNECTOR GEOMETRIES – 1 IMPLANT

conical

platform



Your advantages at a glance.

Depth-stop system.

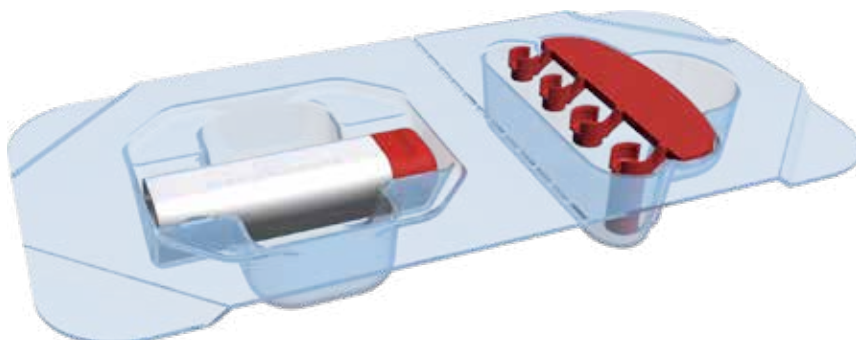
Flexible, safe preparation. With the depth-stop system for situational single use, surgical preparation of the site is safe.



tiologic.
SURGERY.

Packaging.

Easy, efficient and safe to handle.
More information on page 20.



tiologic.
SAFETY.

tiologic
PROSTHETICS.

Angulated solutions.

- 4Base system for screw-retained superstructures with angulations up to 50°
- angled screw aperture for aesthetic and functional prosthetic results



Digital workflow.

Complete solution for your CAD/CAM process.



tiologic
DIGITAL.



3shape



MATERIAL.



DESIGN.



white[®]
digital dental

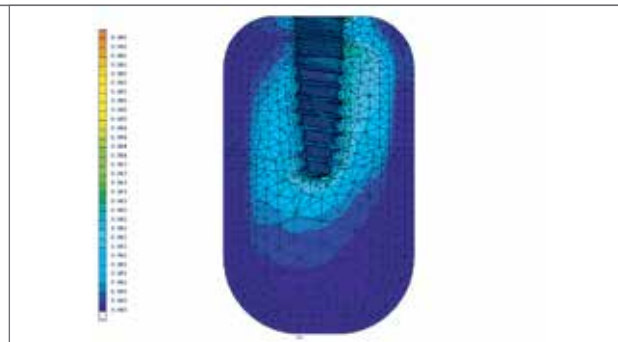
induDENT
be a part of it

MANUFACTURE.

SERVICE

Implant system.

The tiologic® TWINFIT implant system
offers you maximum flexibility from
insertion to final restoration.



FEM analysis tiologic® TWINFIT.

Implant shape.

The shape of the tiologic® TWINFIT implant and the thread geometry were calculated using FEM analyses and documented in scientific studies. Tests show a uniform, gentle loading of the bone which prevents local overloading and stress peaks that could damage the bone.

Thread geometry.

The thread geometry of the tiologic® TWINFIT implants enables a quick and atraumatic implant insertion and a high level of primary stability. In the osseous region, the implant surface is blasted and etched.



Indications:

platform: for relatively straight bone contour, regular, rather thin gingiva
conical: for irregular, overgrown bone and thick gingiva

Internal geometry.

The design of the internal geometry of the implant was calculated and proven by FEM analyses and physical investigations carried out by the University of Bonn using a fatigue strength test in accordance with ISO 14801.

Its distinguishing features:

- 2 connector geometries – conical and platform
- high resistance to torsion and high bending strength when under permanent loading
- zero backlash transmission of bending moments
- maximum flexibility in the positioning of the system components



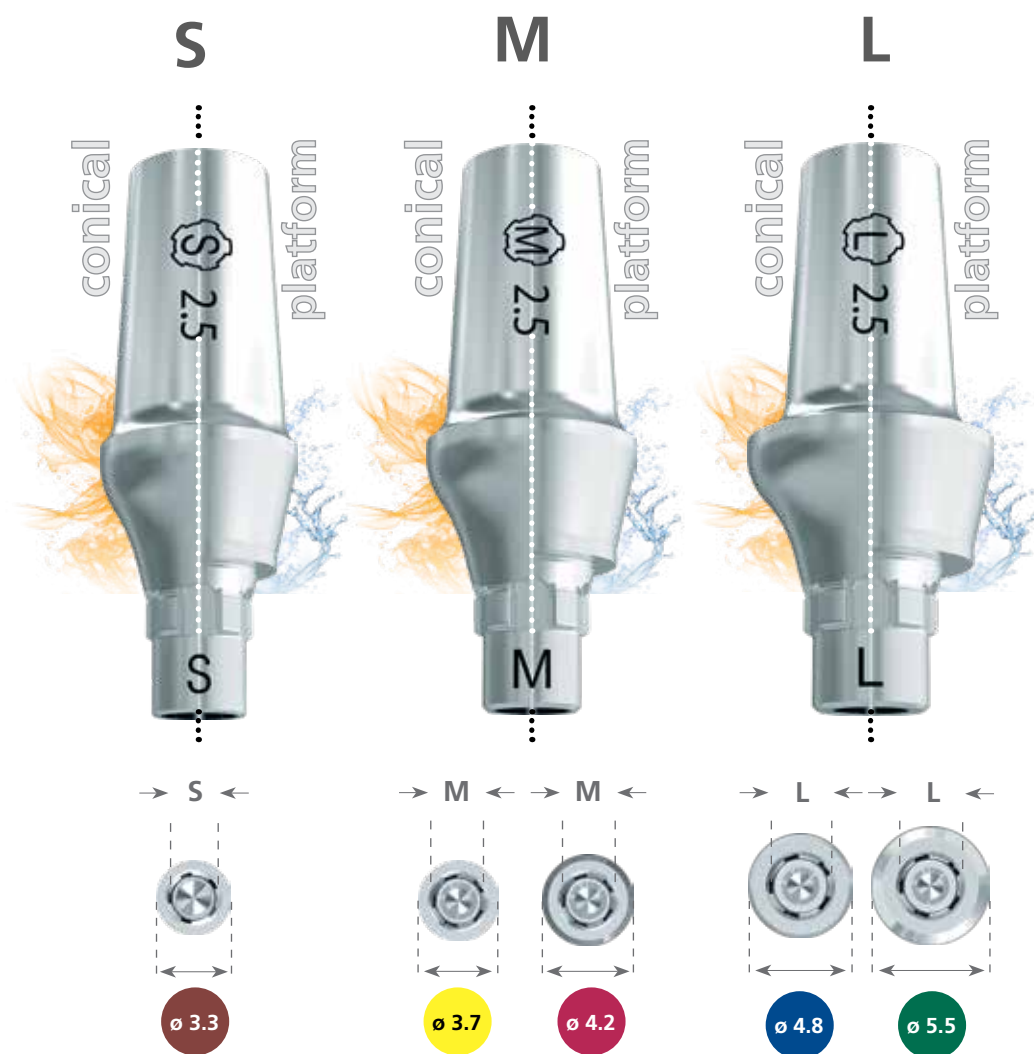


Protection for the Schneiderian membrane

S-M-L concept.

5 implant diameters. 5 implant lengths. 3 series of abutments. 2 connector geometries.

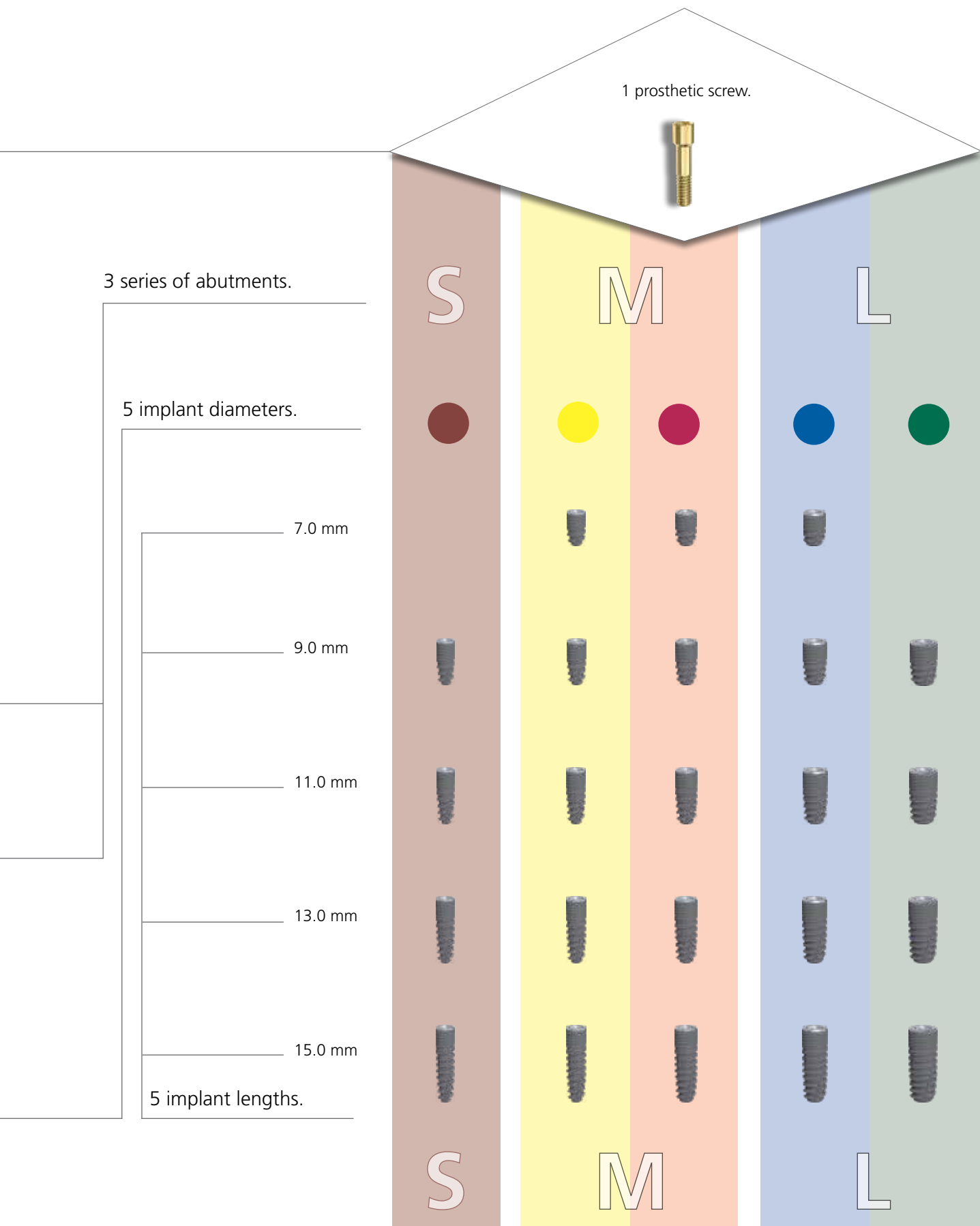
The optimal grading of implant diameters and lengths ensures that the appropriate implant is used for the indication. The three series of abutments are each available in the two connector geometries, conical or platform. The portfolio includes abutment components in plastic (temporary restorations) and titanium to suit the individual situation. CAD/CAM, ball, tioLOC and 4Base abutments complete the portfolio and enable the implantologist to offer restorations for all kinds of indications. 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.



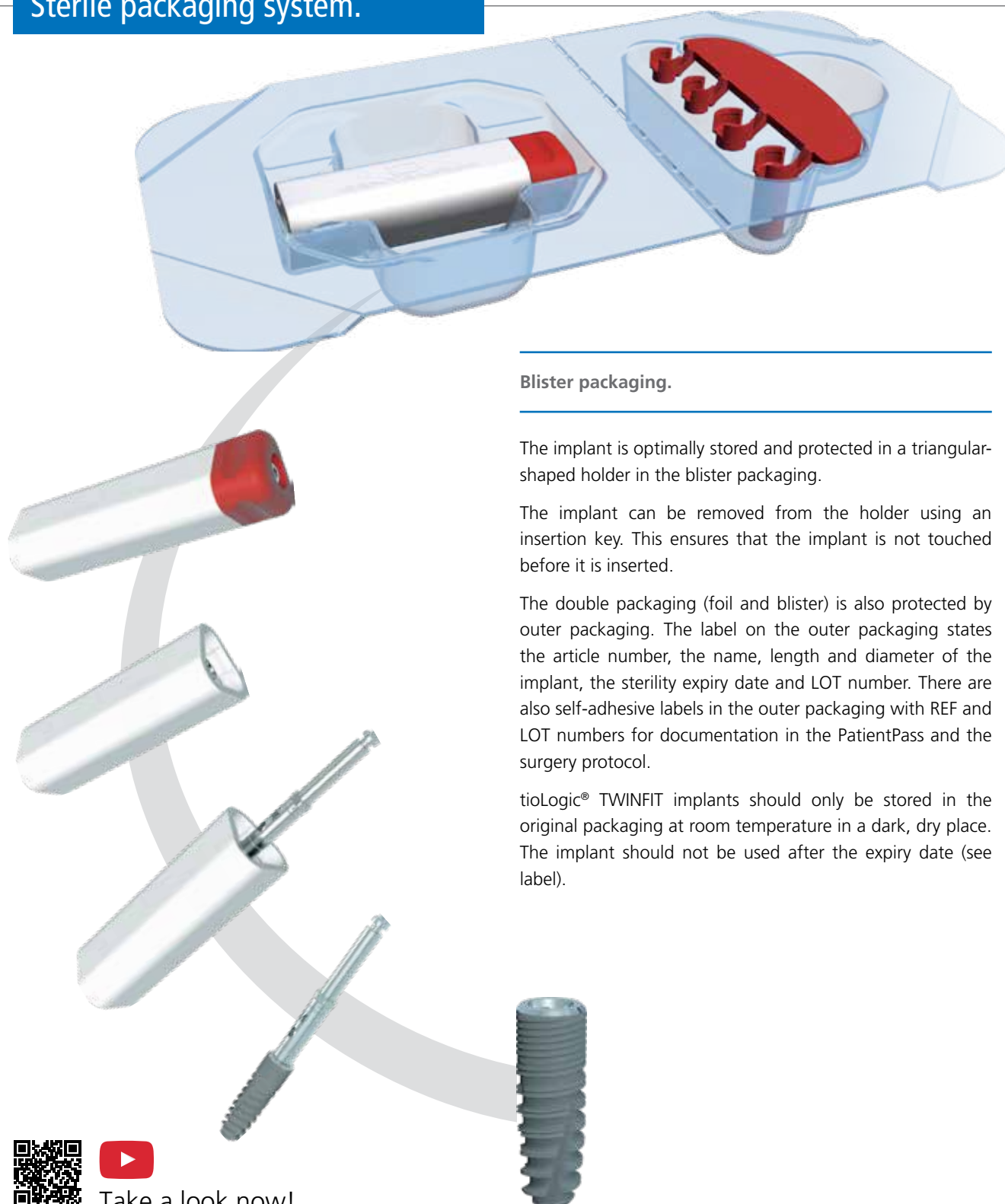
2 connector geometries.

3 series of abutments.

5 implant diameters.



Sterile packaging system.



Blister packaging.

The implant is optimally stored and protected in a triangular-shaped holder in the blister packaging.

The implant can be removed from the holder using an insertion key. This ensures that the implant is not touched before it is inserted.

The double packaging (foil and blister) is also protected by outer packaging. The label on the outer packaging states the article number, the name, length and diameter of the implant, the sterility expiry date and LOT number. There are also self-adhesive labels in the outer packaging with REF and LOT numbers for documentation in the PatientPass and the surgery protocol.

tiologic® TWINFIT implants should only be stored in the original packaging at room temperature in a dark, dry place. The implant should not be used after the expiry date (see label).



Take a look now!

- | | |
|--------------------------------------|---|
| 1 Content | 9 Identification number of the notified body in accordance with Directive 93/42 EEC |
| 2 Diameter/length | 10 Medical device |
| 3 Article no. (REF) | 11 Sterility expiry date |
| 4 Quantity | 12 Date of manufacture |
| 5 Refer to Instructions for use | 13 Batch number (LOT) |
| 6 For single use only | 14 Manufacturer |
| 7 Do not use if packaging is damaged | |
| 8 Symbol for gamma-sterilization | |



Implant.

All tioLogic® TWINFIT implants are supplied singly with the appropriate closure screw and with depth-stop sleeves of appropriate length and width. They are intended for single use only. The gamma-sterilized double packaging (foil and blister packaging) protects the sterile implant, the closure screw and the depth-stop sleeves against contamination. The contents only remain sterile as long as the packaging is undamaged. The product should not be used if the double packaging is damaged.

The blister packaging is perforated between the implant and the depth-stop sleeves and can be separated if the sleeves are not required.

Depth-stop sleeves.

The depth-stop sleeves are coordinated for the use and sequence of the rotating instruments for medium bone quality. Should there be a deviation of the bone quality for the case in hand, the user should proceed in accordance with the drilling protocol.

The drill is pushed into the depth-stop sleeve until it clicks into place. The lower half is then pushed backwards. The click function on the head of the drill ensures the drill is anchored safely.

The procedure is outlined in the images below.



Take a look now!



Depth-stop sleeves for optional use.

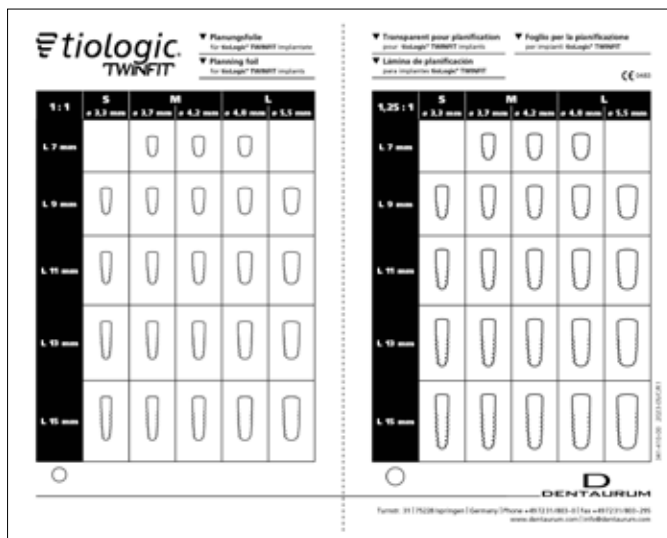


SURGERY.

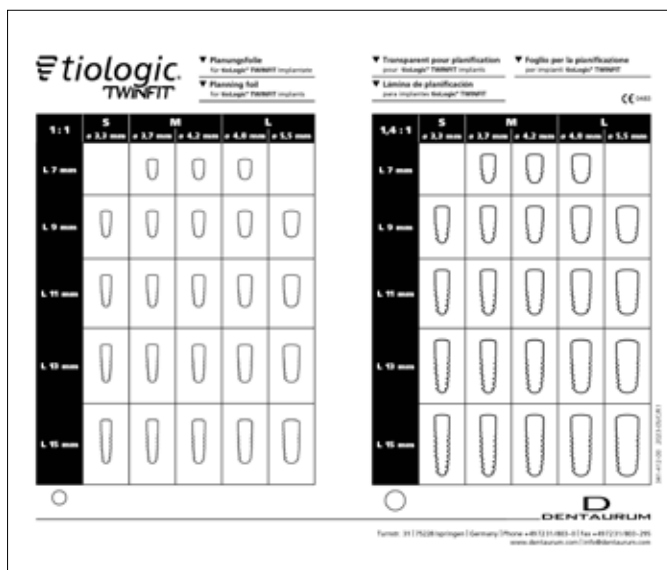
■ Planning and diagnosis.

■ Planning foil

REF 341-410-00 Planning foil tioLogic® TWINFIT, scale 1:1 / 1.25:1



REF 341-412-00 Planning foil tioLogic® TWINFIT, scale 1:1 / 1.4:1



■ Planning and diagnosis.

■ Planning aids

REF 330-560-00		X-ray reference sphere 5 pieces	ø 5.0 mm	
REF 381-422-00		Guide sleeve, titanium	ø inner 2.0 mm	L 6.0 mm
REF 382-720-15		Depth drill ADVANCED	ø 2.0 mm	L 17.0 mm
REF 381-428-00		Drill for guide sleeve tungsten carbide (prosthetics)	ø shank 3.0 mm	

■ Tray – Surgical Tray for tioLogic® TWINFIT

■ Surgical Tray for tioLogic® TWINFIT

REF 347-424-00 Surgical Tray for
tioLogic® TWINFIT
(equipped)

Fully equipped for the insertion of
tioLogic® TWINFIT implants.

- for $\varnothing$ 3.3 mm/ $\varnothing$ 3.7 mm/ $\varnothing$ 4.2 mm/ $\varnothing$ 4.8 mm/ $\varnothing$ 5.5 mm
- suitable for cleaning and disinfecting machines
- reusable instruments
- container for safekeeping
- incl. Surgery Manual tioLogic® TWINFIT
- incl. planning foil tioLogic® TWINFIT



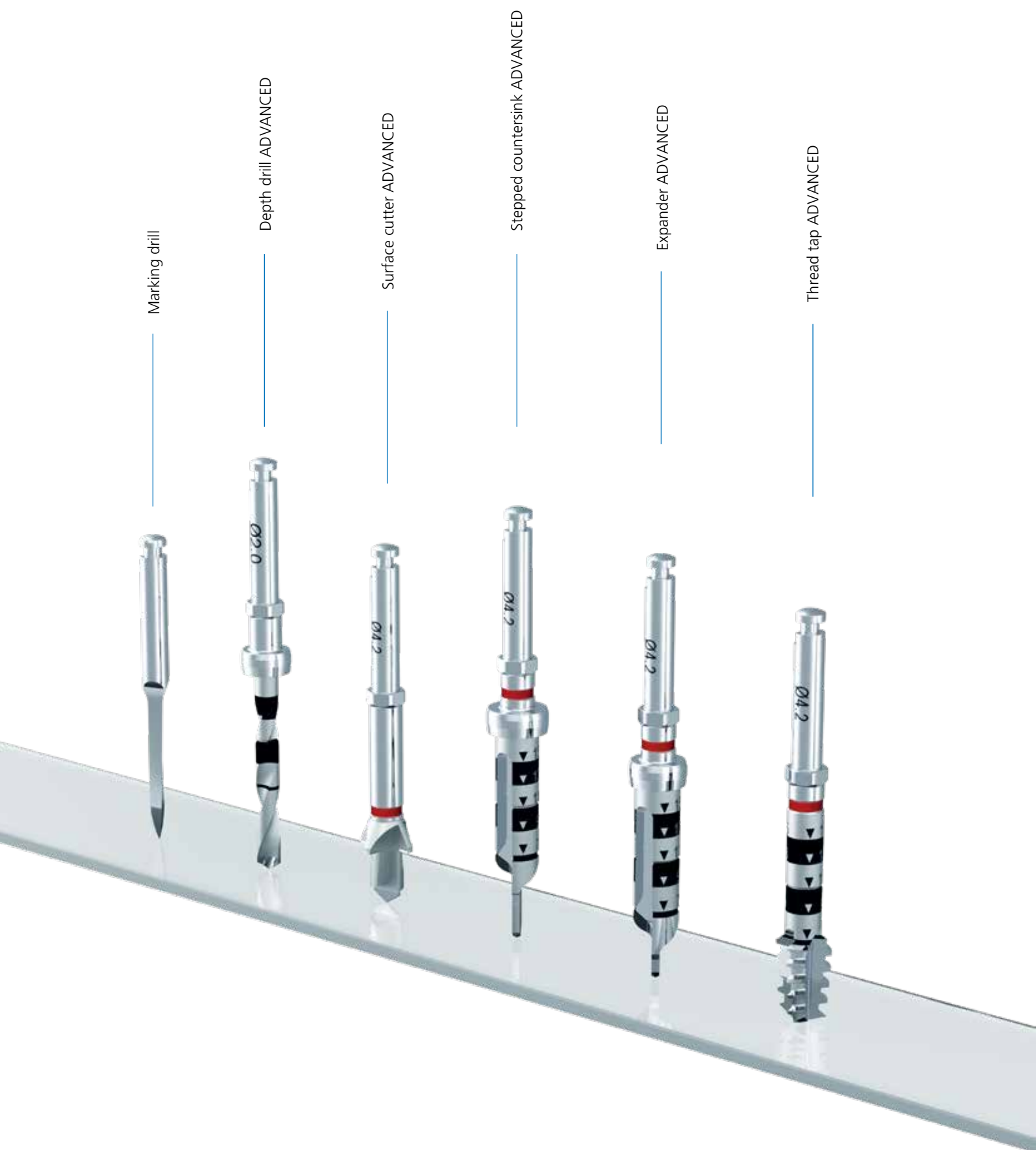
Not all items shown are included in the tray at delivery.

■ Tray – Surgical Tray for tioLogic® TWINFIT

■ Contents Surgical Tray for tioLogic® TWINFIT

REF 382-015-00	Marking drill ø 1.5 mm	REF 347-514-00	Paralleling pin ø 1.4 mm / 2.0 mm, L 21.0 mm, 3 pieces
REF 382-720-15	Depth drill ADVANCED ø 2.0 mm, L 17.0 mm	REF 387-526-00	Insertion key S – ISO shank, tioLogic® TWINFIT ø 3.3 mm, L 26.5 mm
REF 382-733-00	Surface cutter ADVANCED ø 3.3 mm	REF 387-527-00	Insertion key M – ISO shank, tioLogic® TWINFIT ø 3.7 mm / ø 4.2 mm, L 26.5 mm
REF 382-737-00	Surface cutter ADVANCED ø 3.7 mm	REF 387-528-00	Insertion key L – ISO shank, tioLogic® TWINFIT ø 4.8 mm / ø 5.5 mm, L 26.5 mm
REF 382-742-00	Surface cutter ADVANCED ø 4.2 mm	REF 387-536-00	Insertion key S – ISO shank, tioLogic® TWINFIT ø 3.3 mm, L 23.5 mm
REF 382-748-00	Surface cutter ADVANCED ø 4.8 mm	REF 387-537-00	Insertion key M – ISO shank, tioLogic® TWINFIT ø 3.7 mm / ø 4.2 mm, L 23.5 mm
REF 382-755-00	Surface cutter ADVANCED ø 5.5 mm	REF 387-538-00	Insertion key L – ISO shank, tioLogic® TWINFIT ø 4.8 mm / ø 5.5 mm, L 23.5 mm
REF 382-733-15	Stepped countersink ADVANCED ø 3.3 mm, L 17.0 mm	REF 387-610-00	Hex key 1.3 – ISO shank L 20.0 mm
REF 382-737-15	Stepped countersink ADVANCED ø 3.7 mm, L 17.0 mm	REF 387-612-00	Hex key 1.3 – ISO shank L 26.0 mm
REF 382-742-15	Stepped countersink ADVANCED ø 4.2 mm, L 17.0 mm	REF 387-620-00	Hex key 1.3 – ratchet L 16.0 mm
REF 382-748-15	Stepped countersink ADVANCED ø 4.8 mm, L 17.0 mm	REF 387-622-00	Hex key 1.3 – ratchet L 26.0 mm
REF 382-755-15	Stepped countersink ADVANCED ø 5.5 mm, L 17.0 mm	REF 347-646-00	PentaGrip insertion key – ISO shank, tioLogic® TWINFIT for 4Base / ball abutment, L 22.0 mm
REF 382-933-15	Expander ADVANCED ø 3.3 mm, L 17.0 mm	REF 387-509-00	Drill extension – ISO shank hexagon
REF 382-937-15	Expander ADVANCED ø 3.7 mm, L 17.0 mm	REF 387-531-00	Insertion key S – ratchet, tioLogic® TWINFIT ø 3.3 mm
REF 382-942-15	Expander ADVANCED ø 4.2 mm, L 17.0 mm	REF 387-532-00	Insertion key M – ratchet, tioLogic® TWINFIT ø 3.7 mm / ø 4.2 mm
REF 382-948-15	Expander ADVANCED ø 4.8 mm, L 17.0 mm	REF 387-533-00	Insertion key L – ratchet, tioLogic® TWINFIT ø 4.8 mm / ø 5.5 mm
REF 382-955-15	Expander ADVANCED ø 5.5 mm, L 17.0 mm	REF 387-511-00	Adapter – ISO shank hexagon/ ratchet, L 15.0 mm
REF 382-933-00	Thread tap ADVANCED ø 3.3 mm, L 17.0 mm	REF 387-602-00	Sure-grip wheel
REF 382-937-00	Thread tap ADVANCED ø 3.7 mm, L 17.0 mm	REF 387-800-00	Torque ratchet with blocking function
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		

■ Rotating instruments ADVANCED for tioLogic® TWINFIT



■ Rotating instruments ADVANCED for tioLogic® TWINFIT

■ Pre-drill, resterilizable

REF 382-015-00		Marking drill	ø 1.5 mm
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■ Depth drill ADVANCED, resterilizable¹

REF 382-720-15		Depth drill ADVANCED	ø 2.0 mm	L 17.0 mm
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■ Surface cutter ADVANCED, resterilizable¹

REF 382-733-00		Surface cutter ADVANCED	ø 3.3 mm	L 17.0 mm
REF 382-737-00		Surface cutter ADVANCED	ø 3.7 mm	L 17.0 mm
REF 382-742-00		Surface cutter ADVANCED	ø 4.2 mm	L 17.0 mm
REF 382-748-00		Surface cutter ADVANCED	ø 4.8 mm	L 17.0 mm
REF 382-755-00		Surface cutter ADVANCED	ø 5.5 mm	L 17.0 mm

■ Stepped countersink ADVANCED, resterilizable¹

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, resterilizable¹

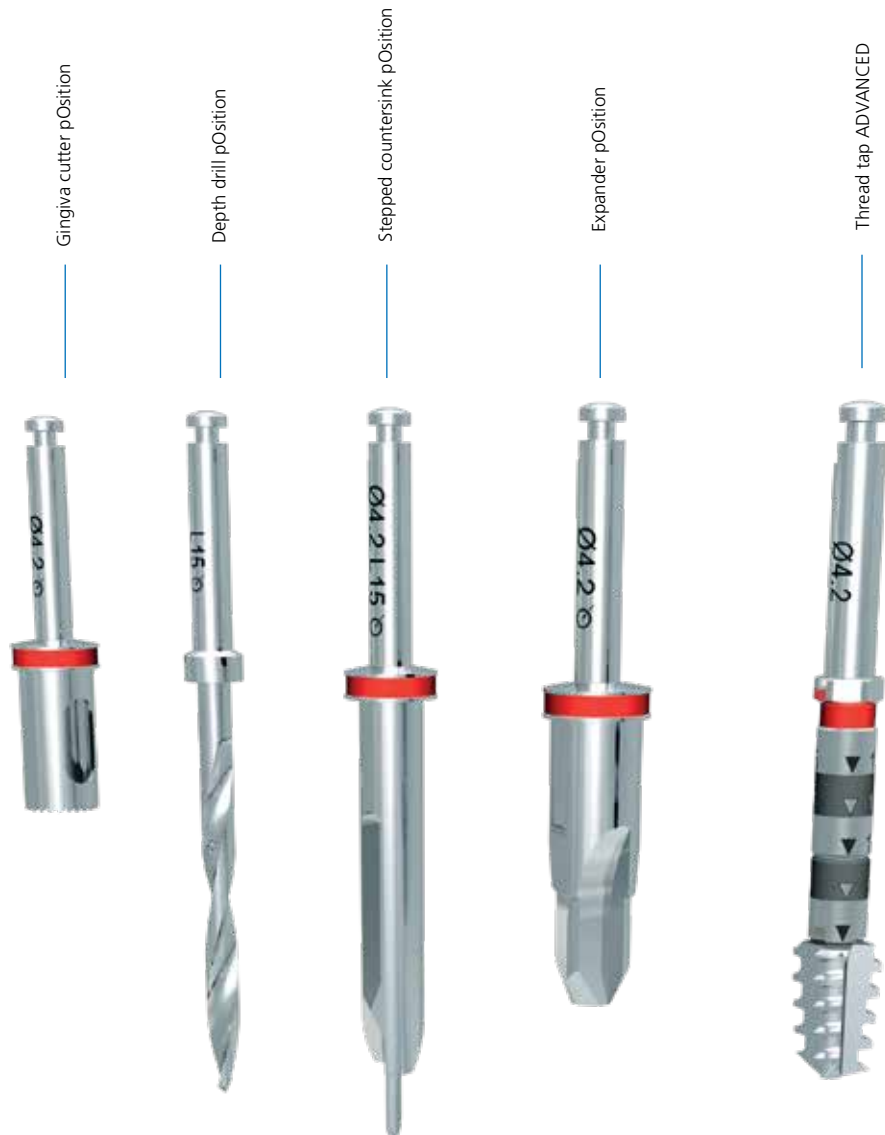
REF 382-933-15		Expander ADVANCED	ø 3.3 mm	L 17.0 mm
REF 382-937-15		Expander ADVANCED	ø 3.7 mm	L 17.0 mm
REF 382-942-15		Expander ADVANCED	ø 4.2 mm	L 17.0 mm
REF 382-948-15		Expander ADVANCED	ø 4.8 mm	L 17.0 mm
REF 382-955-15		Expander ADVANCED	ø 5.5 mm	L 17.0 mm

■ Thread tap ADVANCED, resterilizable

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

¹ For technical reasons, the instruments are 1.0 mm longer than the given preparation length.

■ Rotating instruments – pOosition for tioLogic®



pOosition
for tioLogic®

■ Rotating instruments – pOosition for tioLogic®

■ Basic sleeve

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

■ Drill for basic sleeve

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

■ Holder for basic sleeve – 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

■ Rotating instruments – pO_sition for tioLogic®

■ Positioning pin for basic sleeve – 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

■ Rotating instruments – pOosition for tioLogic®

■ Gingiva cutter

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

■ Depth drill¹

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

¹ For technical reasons, the instruments are 0.6 mm longer than the given preparation length.

■ Rotating instruments – pO₂ for tioLogic®

■ Stepped countersink pO₂ position¹

REF 382-333-09		Stepped countersink pO ₂ position	ø 3.3 mm	L 9.0 mm
REF 382-333-11		Stepped countersink pO ₂ position	ø 3.3 mm	L 11.0 mm
REF 382-333-13		Stepped countersink pO ₂ position	ø 3.3 mm	L 13.0 mm
REF 382-333-15		Stepped countersink pO ₂ position	ø 3.3 mm	L 15.0 mm
REF 382-337-07		Stepped countersink pO ₂ position	ø 3.7 mm	L 7.0 mm
REF 382-337-09		Stepped countersink pO ₂ position	ø 3.7 mm	L 9.0 mm
REF 382-337-11		Stepped countersink pO ₂ position	ø 3.7 mm	L 11.0 mm
REF 382-337-13		Stepped countersink pO ₂ position	ø 3.7 mm	L 13.0 mm
REF 382-337-15		Stepped countersink pO ₂ position	ø 3.7 mm	L 15.0 mm
REF 382-342-07		Stepped countersink pO ₂ position	ø 4.2 mm	L 7.0 mm
REF 382-342-09		Stepped countersink pO ₂ position	ø 4.2 mm	L 9.0 mm
REF 382-342-11		Stepped countersink pO ₂ position	ø 4.2 mm	L 11.0 mm
REF 382-342-13		Stepped countersink pO ₂ position	ø 4.2 mm	L 13.0 mm
REF 382-342-15		Stepped countersink pO ₂ position	ø 4.2 mm	L 15.0 mm
REF 382-348-07		Stepped countersink pO ₂ position	ø 4.8 mm	L 7.0 mm
REF 382-348-09		Stepped countersink pO ₂ position	ø 4.8 mm	L 9.0 mm
REF 382-348-11		Stepped countersink pO ₂ position	ø 4.8 mm	L 11.0 mm
REF 382-348-13		Stepped countersink pO ₂ position	ø 4.8 mm	L 13.0 mm
REF 382-348-15		Stepped countersink pO ₂ position	ø 4.8 mm	L 15.0 mm
REF 382-355-09		Stepped countersink pO ₂ position	ø 5.5 mm	L 9.0 mm
REF 382-355-11		Stepped countersink pO ₂ position	ø 5.5 mm	L 11.0 mm
REF 382-355-13		Stepped countersink pO ₂ position	ø 5.5 mm	L 13.0 mm
REF 382-355-15		Stepped countersink pO ₂ position	ø 5.5 mm	L 15.0 mm

¹ For technical reasons, the instruments are 0.6 mm longer than the given preparation length.

■ Rotating instruments – pOstion for tioLogic®

■ Expander

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

■ Thread tap¹

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

■ Thread tap ADVANCED, resterilizable²

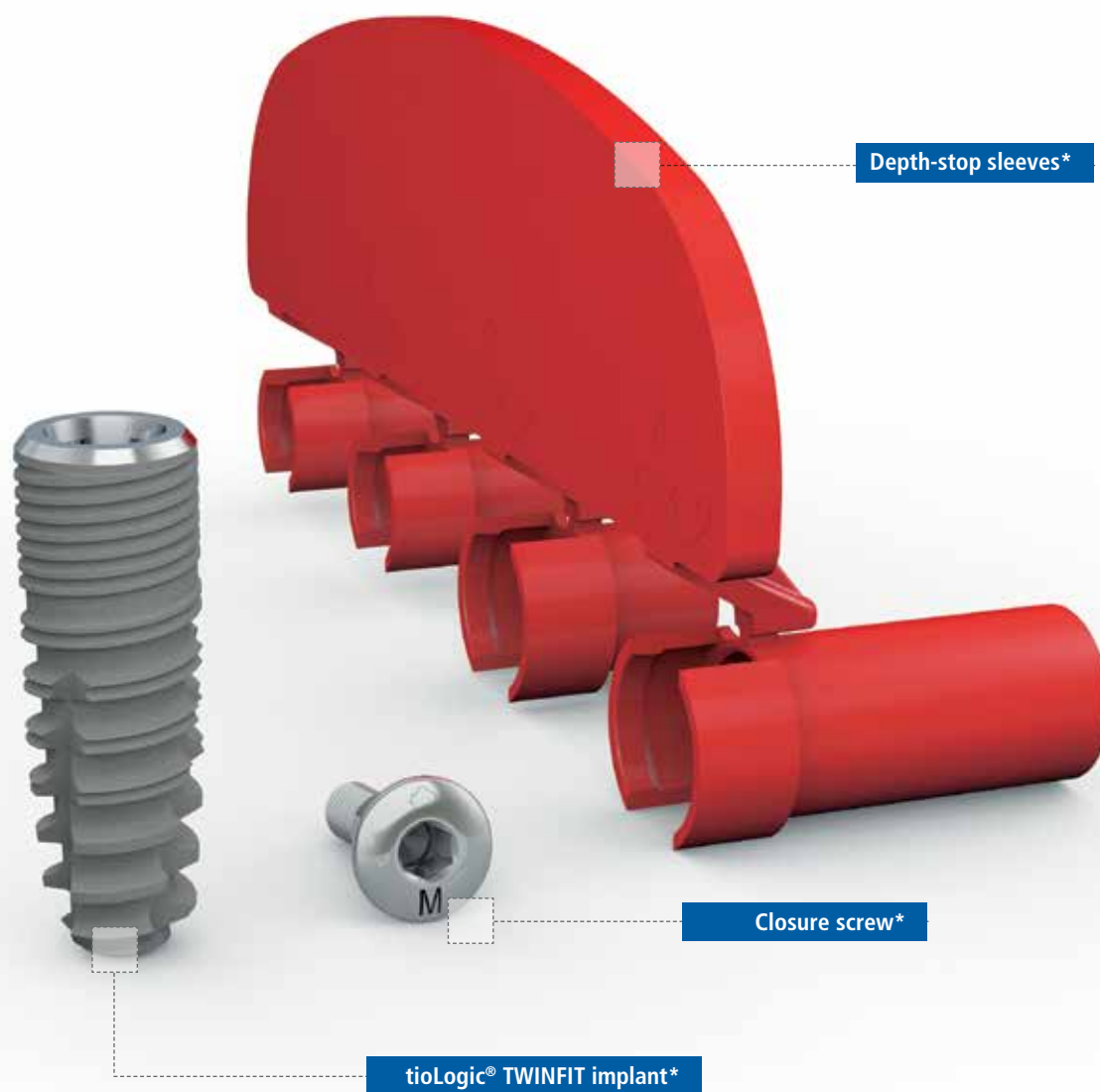
REF 382-933-00		Thread tap ADVANCED	ø 3.3 mm	L 17.0 mm
REF 382-937-00		Thread tap ADVANCED	ø 3.7 mm	L 17.0 mm
REF 382-942-00		Thread tap ADVANCED	ø 4.2 mm	L 17.0 mm
REF 382-948-00		Thread tap ADVANCED	ø 4.8 mm	L 17.0 mm
REF 382-955-00		Thread tap ADVANCED	ø 5.5 mm	L 17.0 mm

¹ Use only for tioLogic® implants.

² Use only for tioLogic® ST and tioLogic® TWINFIT implants.

Implant.

The tioLogic® TWINFIT implant system
offers you maximum flexibility from
insertion to final restoration.



*delivered together

■ Implants tioLogic® TWINFIT

■ ø 3.3 mm

REF 343-033-09		Implant tioLogic® TWINFIT	ø 3.3 mm	L 9.0 mm
REF 343-033-11		Implant tioLogic® TWINFIT	ø 3.3 mm	L 11.0 mm
REF 343-033-13		Implant tioLogic® TWINFIT	ø 3.3 mm	L 13.0 mm
REF 343-033-15		Implant tioLogic® TWINFIT	ø 3.3 mm	L 15.0 mm

Closure screw S and depth-stop sleeves in appropriate size included.

■ ø 3.7 mm

REF 343-037-07		Implant tioLogic® TWINFIT	ø 3.7 mm	L 7.0 mm
REF 343-037-09		Implant tioLogic® TWINFIT	ø 3.7 mm	L 9.0 mm
REF 343-037-11		Implant tioLogic® TWINFIT	ø 3.7 mm	L 11.0 mm
REF 343-037-13		Implant tioLogic® TWINFIT	ø 3.7 mm	L 13.0 mm
REF 343-037-15		Implant tioLogic® TWINFIT	ø 3.7 mm	L 15.0 mm

Closure screw M and depth-stop sleeves in appropriate size included.

■ ø 4.2 mm

REF 343-042-07		Implant tioLogic® TWINFIT	ø 4.2 mm	L 7.0 mm
REF 343-042-09		Implant tioLogic® TWINFIT	ø 4.2 mm	L 9.0 mm
REF 343-042-11		Implant tioLogic® TWINFIT	ø 4.2 mm	L 11.0 mm
REF 343-042-13		Implant tioLogic® TWINFIT	ø 4.2 mm	L 13.0 mm
REF 343-042-15		Implant tioLogic® TWINFIT	ø 4.2 mm	L 15.0 mm

Closure screw M and depth-stop sleeves in appropriate size included.

■ ø 4.8 mm

REF 343-048-07		Implant tioLogic® TWINFIT	ø 4.8 mm	L 7.0 mm
REF 343-048-09		Implant tioLogic® TWINFIT	ø 4.8 mm	L 9.0 mm
REF 343-048-11		Implant tioLogic® TWINFIT	ø 4.8 mm	L 11.0 mm
REF 343-048-13		Implant tioLogic® TWINFIT	ø 4.8 mm	L 13.0 mm
REF 343-048-15		Implant tioLogic® TWINFIT	ø 4.8 mm	L 15.0 mm

Closure screw L and depth-stop sleeves in appropriate size included.

■ ø 5.5 mm

REF 343-055-09		Implant tioLogic® TWINFIT	ø 5.5 mm	L 9.0 mm
REF 343-055-11		Implant tioLogic® TWINFIT	ø 5.5 mm	L 11.0 mm
REF 343-055-13		Implant tioLogic® TWINFIT	ø 5.5 mm	L 13.0 mm
REF 343-055-15		Implant tioLogic® TWINFIT	ø 5.5 mm	L 15.0 mm

Closure screw L and depth-stop sleeves in appropriate size included.

■ Gingiva former tioLogic® TWINFIT – cylindrical

■ cylindrical S

platform

REF 344-110-00		Gingiva former S, tioLogic® TWINFIT	cylindrical, platform	GH 2.0 mm
REF 344-112-00		Gingiva former S, tioLogic® TWINFIT	cylindrical, platform	GH 4.0 mm

■ cylindrical M

platform

REF 344-210-00		Gingiva former M, tioLogic® TWINFIT	cylindrical, platform	GH 2.0 mm
REF 344-212-00		Gingiva former M, tioLogic® TWINFIT	cylindrical, platform	GH 4.0 mm
REF 344-214-00		Gingiva former M, tioLogic® TWINFIT	cylindrical, platform	GH 6.0 mm

■ cylindrical L

platform

REF 344-310-00		Gingiva former L, tioLogic® TWINFIT	cylindrical, platform	GH 2.0 mm
REF 344-312-00		Gingiva former L, tioLogic® TWINFIT	cylindrical, platform	GH 4.0 mm
REF 344-314-00		Gingiva former L, tioLogic® TWINFIT	cylindrical, platform	GH 6.0 mm

■ Gingiva former tioLogic® TWINFIT – anatomical

■ anatomical S

REF 344-110-00		Gingiva former S, tioLogic® TWINFIT	cylindrical, platform	GH 2.0 mm
REF 344-120-00		Gingiva former S, tioLogic® TWINFIT	anatomical, platform	GH 4.0 mm

platform

■ anatomical M

REF 344-210-00		Gingiva former M, tioLogic® TWINFIT	cylindrical, platform	GH 2.0 mm
REF 344-220-00		Gingiva former M, tioLogic® TWINFIT	anatomical, platform	GH 4.0 mm
REF 344-222-00		Gingiva former M, tioLogic® TWINFIT	anatomical, platform	GH 6.0 mm

platform

■ anatomical L

REF 344-310-00		Gingiva former L, tioLogic® TWINFIT	cylindrical, platform	GH 2.0 mm
REF 344-320-00		Gingiva former L, tioLogic® TWINFIT	anatomical, platform	GH 4.0 mm
REF 344-322-00		Gingiva former L, tioLogic® TWINFIT	anatomical, platform	GH 6.0 mm

platform



PROSTHETICS.

■ Tray – ProstheticSet for tioLogic®

■ ProstheticSet

REF 387-426-00 ProstheticSet for tioLogic®

With accessory components for prosthetic insertion.

- for all implant diameters
- container for safekeeping



■ Tray – ProstheticSet for tioLogic®

■ 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

Series of abutments S

for $\varnothing$ 3.3 mm tioLogic® TWINFIT implants.



ABUTMENT SWITCH

2 CONNECTOR GEOMETRIES – 1 IMPLANT

■ Components series of abutments S

■ Impression-taking

platform

REF 345-110-00		Impression post S, tioLogic® TWINFIT, platform, open incl. screw with shortened thread	L 10.0 mm
REF 345-112-00		Impression post S, tioLogic® TWINFIT, platform, open incl. screw with shortened thread	L 14.0 mm
REF 345-120-00		Impression post S, tioLogic® TWINFIT, platform, closed, incl. impression cap, retaining screw	L 9.0 mm
REF 345-122-00		Impression cap S, tioLogic® TWINFIT, 5 pieces	L 5.8 mm
REF 385-124-00		Positioning aid S for impression post S, closed	L 9.6 mm

■ Model

REF 345-130-00		Laboratory implant S, tioLogic® TWINFIT for cast models	L 12.0 mm
REF 345-132-00		Laboratory implant S, tioLogic® TWINFIT for printed and cast models	L 12.0 mm

■ Temporary restorations

platform

REF 344-130-00		Temporary abutment S, tioLogic® TWINFIT, platform, 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

■ Components series of abutments S



■ CAD/CAM components – conical

REF 346-113-01		CAD/CAM titanium base S, tioLogic® TWINFIT, conical, GH 1.5 mm incl. AnoTite screw
REF 346-195-01		CAD/CAM titanium base S, tioLogic® TWINFIT, conical, GH 1.5 mm CEREC, Sirona, incl. AnoTite screw
REF 346-114-01		CAD/CAM titanium base S, tioLogic® TWINFIT, conical, GH 1.5 mm angulated screw aperture, incl. AnoTite screw 8.5 mm max. 20°
REF 346-197-01		CAD/CAM titanium block S, tioLogic® TWINFIT, PreForm, conical, incl. AnoTite screw



■ CAD/CAM components – platform

REF 346-113-02		CAD/CAM titanium base S, tioLogic® TWINFIT, platform, incl. AnoTite screw 9.0 mm GH 0.5 mm max. 20°
REF 346-195-02		CAD/CAM titanium base S, tioLogic® TWINFIT, platform, CEREC, Sirona, incl. AnoTite screw GH 0.5 mm
REF 346-199-02		CAD/CAM titanium adhesive base S, tioLogic® TWINFIT, platform, incl. AnoTite screw GH 0.7 mm
REF 346-197-02		CAD/CAM titanium block S, tioLogic® TWINFIT, PreForm, platform, incl. AnoTite screw

■ CAD/CAM components – accessories

REF 346-190-02		CAD/CAM scan abutment titanium S, tioLogic® TWINFIT, platform, incl. retaining screw
REF 386-196-00		Modelling sleeve for CAD/CAM titanium base S, adjustable
REF 346-430-00		CAD/CAM scan cap, 4Base, titanium, L 10.0 mm tioLogic® TWINFIT, incl. AnoTite screw
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 386-924-00		AnoTite screw, for angulated screw aperture M 1.6 L 8.5 mm
REF 386-926-00		Prosthetic screw, for angulated screw aperture M 1.6 L 8.5 mm
REF 386-928-00		AnoTite screw, for angulated screw aperture M 1.6 L 5.5 mm
REF 386-930-00		Prosthetic screw, for angulated screw aperture M 1.6 L 5.5 mm
REF 386-932-00		Retaining screw, for scan abutment and closed impression M 1.6 L 14 mm

■ Components series of abutments S



conical

■ Titanium – conical

REF 346-130-01		Titanium abutment S, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 1.5 mm	L 8.2 mm
REF 346-131-01		Titanium abutment S, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 2.5 mm	L 9.5 mm
REF 346-132-01		Titanium abutment S, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 4.0 mm	L 11.2 mm
REF 346-135-01		Titanium abutment S, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 1.5 mm	L 8.7 mm 15°
REF 346-136-01		Titanium abutment S, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 3.0 mm	L 10.2 mm 15°
REF 346-139-01		Titanium abutment S, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm



platform

■ Titanium – platform

REF 346-130-02		Titanium abutment S, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 1.0 mm	L 8.0 mm
REF 346-131-02		Titanium abutment S, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 2.5 mm	L 9.5 mm
REF 346-132-02		Titanium abutment S, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 4.0 mm	L 11.0 mm
REF 346-135-02		Titanium abutment S, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 1.5 mm	L 8.7 mm 15°
REF 346-136-02		Titanium abutment S, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 3.0 mm	L 10.2 mm 15°
REF 346-139-02		Titanium abutment S, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm

■ Titanium – accessories

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

■ Components series of abutments S



■ 4Base – conical

REF 346-140-01		4Base abutment S, tioLogic® TWINFIT, conical	GH 1.5 mm
REF 346-141-01		4Base abutment S, tioLogic® TWINFIT, conical	GH 2.5 mm
REF 346-142-01		4Base abutment S, tioLogic® TWINFIT, conical	GH 4.0 mm
REF 346-145-01		4Base abutment S, tioLogic® TWINFIT, conical incl. AnoTite screw	GH 3.2 mm 20°
REF 346-146-01		4Base abutment S, tioLogic® TWINFIT, conical incl. AnoTite screw	GH 3.2 mm 30°



■ 4Base – platform

REF 346-140-02		4Base abutment S, tioLogic® TWINFIT, platform	GH 1.5 mm
REF 346-141-02		4Base abutment S, tioLogic® TWINFIT, platform	GH 2.5 mm
REF 346-142-02		4Base abutment S, tioLogic® TWINFIT, platform	GH 4.0 mm
REF 346-145-02		4Base abutment S, tioLogic® TWINFIT, platform incl. AnoTite screw	GH 3.2 mm 20°
REF 346-146-02		4Base abutment S, tioLogic® TWINFIT, platform incl. AnoTite screw	GH 3.2 mm 30°

■ Components series of abutments S

■ 4Base – components – accessories

REF 346-410-00		4Base closure screw, tioLogic® TWINFIT		L 5.0 mm
REF 346-412-00		4Base impression post, tioLogic® TWINFIT, open incl. screw		L 11.5 mm
REF 346-414-00		4Base impression post, tioLogic® TWINFIT, closed incl. AnoTite screw		L 6.3 mm
REF 346-416-00		4Base impression cap, tioLogic® TWINFIT, 5 pieces		L 5.8 mm
REF 346-432-00		4Base laboratory implant, tioLogic® TWINFIT, for printed and cast models		L 14.6 mm
REF 346-420-00		4Base plastic cap, tioLogic® TWINFIT, incl. AnoTite screw		L 10.5 mm
REF 346-422-00		4Base titanium cap, tioLogic® TWINFIT, adhesive technique incl. AnoTite screw		L 10.5 mm
REF 346-424-00		4Base titanium cap, tioLogic® TWINFIT, lasering technique incl. AnoTite screw		L 6.2 mm
REF 346-428-00		4Base tioLOC titanium cap, tioLogic® TWINFIT	GH 3.1 mm	L 4.7 mm
REF 346-430-00		CAD/CAM scan cap 4Base titanium, tioLogic® TWINFIT, incl. AnoTite screw		L 10.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw	M 1.6	L 6.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-916-00		Prosthetic screw for laboratory use only	M 1.6	L 6.0 mm
REF 386-928-00		AnoTite screw, for angulated screw apertures	M 1.6	L 5.5 mm
REF 386-930-00		Prosthetic screw, for angulated screw apertures for laboratory use only	M 1.6	L 5.5 mm

■ Components series of abutments S



■ Ball abutment – platform

REF 346-160-02		Ball abutment S, tioLogic® TWINFIT, platform	GH 1.5 mm	ø 2.25 mm
REF 346-161-02		Ball abutment S, tioLogic® TWINFIT, platform	GH 3.0 mm	ø 2.25 mm
REF 346-162-02		Ball abutment S, tioLogic® TWINFIT, platform	GH 4.5 mm	ø 2.25 mm

■ Ball abutment – accessories

REF 386-614-00		Ball abutment laboratory implant	ø 2.25 mm	
REF 386-630-00¹		Dalbo®-PLUS matrix TE basic		
REF 386-631-00¹		Lamellae retention insert E for matrix Dalbo®-PLUS		

¹ Product not available in all countries

■ Components series of abutments S



■ tioLOC – platform

REF 346-151-02		tioLOC abutment S, tioLogic® TWINFIT, platform	GH 1.5 mm	
REF 346-152-02		tioLOC abutment S, tioLogic® TWINFIT, platform	GH 3.0 mm	
REF 346-153-02		tioLOC abutment S, tioLogic® TWINFIT, platform	GH 4.5 mm	
REF 346-428-00		4Base tioLOC titanium cap, tioLogic® TWINFIT compatible with LOCATOR®	GH 3.1 mm	L 4.7 mm

■ Accessories

REF 346-512-00		Impression cap 2 pieces	ø 5.6 mm	L 4.5 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 (black cap with internal pin) 4 pieces		
REF 346-520-00		Yellow retention cap (with internal pin) 4 pieces	0-20°, 700 g	
REF 346-522-00		Pink retention cap (with internal pin) 4 pieces	0-20°, 900 g	
REF 346-524-00		Transparent retention cap (with internal pin) 4 pieces	0-20°, 1500 g	
REF 346-526-00		Violet retention cap (with internal pin) 4 pieces	0-20°, 2700 g	
REF 346-530-00		Protective plate, pink 10 pieces		
REF 347-745-00		Elastic cap insertion / removal tool		

Series of abutments M

for $\varnothing$ 3.7 mm and $\varnothing$ 4.2 mm tioLogic® TWINFIT implants.



ABUTMENT SWITCH

2 CONNECTOR GEOMETRIES – 1 IMPLANT

■ Components series of abutments **M**

■ Impression taking

REF 345-210-00		Impression post M, tioLogic® TWINFIT, platform, open incl. screw with shortened thread	L 10.0 mm
REF 345-212-00		Impression post M, tioLogic® TWINFIT, platform, open incl. screw with shortened thread	L 14.0 mm
REF 345-220-00		Impression post M, tioLogic® TWINFIT, platform, closed, incl. impression cap, retaining screw	L 9.5 mm
REF 345-222-00		Impression cap M, tioLogic® TWINFIT, 5 pieces	L 5.8 mm
REF 385-224-00		Positioning aid M for impression post M, closed	L 9.6 mm

■ Model

REF 345-230-00		Laboratory implant M, tioLogic® TWINFIT for cast models	L 12.0 mm
REF 345-232-00		Laboratory implant M, tioLogic® TWINFIT for printed and cast models	L 12.0 mm

■ Temporary restorations

REF 344-230-00		Temporary abutment M, tioLogic® TWINFIT, platform 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

■ Components series of abutments **M**



■ CAD/CAM components – conical

REF 346-213-01		CAD/CAM titanium base M, tioLogic® TWINFIT, conical, GH 1.5 mm incl. AnoTite screw
REF 346-295-01		CAD/CAM titanium base M, tioLogic® TWINFIT, conical, GH 1.5 mm CEREC, Sirona, incl. AnoTite screw
REF 346-214-01		CAD/CAM titanium base M, tioLogic® TWINFIT, conical, GH 1.5 mm angulated screw aperture, incl. AnoTite screw 8.5 mm max. 20°
REF 346-297-01		CAD/CAM titanium block M, tioLogic® TWINFIT, PreForm, conical, incl. AnoTite screw



■ CAD/CAM components – platform

REF 346-213-02		CAD/CAM titanium base M, tioLogic® TWINFIT, platform, incl. AnoTite screw 9.0 mm	GH 0.5 mm max. 20°
REF 346-295-02		CAD/CAM titanium base M, tioLogic® TWINFIT, platform, CEREC, Sirona, incl. AnoTite screw	GH 0.5 mm
REF 346-299-02		CAD/CAM titanium adhesive base M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 0.7 mm
REF 346-297-02		CAD/CAM titanium block M, tioLogic® TWINFIT, PreForm, platform, incl. AnoTite screw	

■ CAD/CAM components – accessories

REF 346-290-02		CAD/CAM scan abutment titanium M, tioLogic® TWINFIT, platform, incl. retaining screw	
REF 386-296-00		Modelling sleeve for CAD/CAM titanium base M, adjustable	
REF 346-430-00		CAD/CAM scan cap 4Base titanium, tioLogic® TWINFIT, 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 386-924-00		AnoTite screw, for angulated screw aperture	M 1.6 L 8.5 mm
REF 386-926-00		Prosthetic screw, for angulated screw aperture	M 1.6 L 8.5 mm
REF 386-928-00		AnoTite screw, for angulated screw aperture	M 1.6 L 5.5 mm
REF 386-930-00		Prosthetic screw, for angulated screw aperture	M 1.6 L 5.5 mm
REF 386-932-00		Retaining screw, for scan abutment and closed impression	M 1.6 L 14 mm

■ Components series of abutments M



■ Titanium – conical

REF 346-230-01		Titanium abutment M, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 1.5 mm	L 8.2 mm
REF 346-231-01		Titanium abutment M, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 2.5 mm	L 9.5 mm
REF 346-232-01		Titanium abutment M, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 4.0 mm	L 11.2 mm
REF 346-235-01		Titanium abutment M, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 1.5 mm	L 8.7 mm 20°
REF 346-236-01		Titanium abutment M, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 3.0 mm	L 10.2 mm 20°
REF 346-239-01		Titanium abutment M, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 2.5 mm	L 12.2 mm



■ Titanium – platform

REF 346-230-02		Titanium abutment M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 1.0 mm	L 8.0 mm
REF 346-231-02		Titanium abutment M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 2.5 mm	L 9.5 mm
REF 346-232-02		Titanium abutment M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 4.0 mm	L 11.0 mm
REF 346-235-02		Titanium abutment M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 1.5 mm	L 8.7 mm 20°
REF 346-236-02		Titanium abutment M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 3.0 mm	L 10.2 mm 20°
REF 346-239-02		Titanium abutment M, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm

■ Titanium – accessories

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

■ Components series of abutments **M**



■ 4Base – conical

REF 346-240-01		4Base abutment M, tioLogic® TWINFIT, conical	GH 1.5 mm
REF 346-241-01		4Base abutment M, tioLogic® TWINFIT, conical	GH 2.5 mm
REF 346-242-01		4Base abutment M, tioLogic® TWINFIT, conical	GH 4.0 mm
REF 346-245-01		4Base abutment M, tioLogic® TWINFIT, conical incl. AnoTite screw	GH 3.2 mm 20°
REF 346-246-01		4Base abutment M, tioLogic® TWINFIT, conical incl. AnoTite screw	GH 3.2 mm 30°



■ 4Base – platform

REF 346-240-02		4Base abutment M, tioLogic® TWINFIT, platform	GH 1.5 mm
REF 346-241-02		4Base abutment M, tioLogic® TWINFIT, platform	GH 2.5 mm
REF 346-242-02		4Base abutment M, tioLogic® TWINFIT, platform	GH 4.0 mm
REF 346-245-02		4Base abutment M, tioLogic® TWINFIT, platform incl. AnoTite screw	GH 3.2 mm 20°
REF 346-246-02		4Base abutment M, tioLogic® TWINFIT, platform incl. AnoTite screw	GH 3.2 mm 30°

■ Components series of abutments **M**

■ 4Base – components – accessories

REF 346-410-00		4Base closure screw, tioLogic® TWINFIT		L 5.0 mm
REF 346-412-00		4Base impression post, tioLogic® TWINFIT, open incl. screw		L 11.5 mm
REF 346-414-00		4Base impression post, tioLogic® TWINFIT, closed incl. AnoTite screw		L 6.3 mm
REF 346-416-00		4Base impression cap, tioLogic® TWINFIT, 5 pieces		L 5.8 mm
REF 346-432-00		4Base laboratory implant, tioLogic® TWINFIT, for printed and cast models		L 14.6 mm
REF 346-420-00		4Base plastic cap, tioLogic® TWINFIT, incl. AnoTite screw		L 10.5 mm
REF 346-422-00		4Base titanium cap, tioLogic® TWINFIT, adhesive technique incl. AnoTite screw		L 10.5 mm
REF 346-424-00		4Base titanium cap, tioLogic® TWINFIT, lasering technique incl. AnoTite screw		L 6.2 mm
REF 346-428-00		4Base tioLOC titanium cap, tioLogic® TWINFIT	GH 3.1 mm	L 4.7 mm
REF 346-430-00		CAD/CAM scan cap 4Base titanium, tioLogic® TWINFIT, incl. AnoTite screw		L 10.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw	M 1.6	L 6.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-916-00		Prosthetic screw for laboratory use only	M 1.6	L 6.0 mm
REF 386-928-00		AnoTite screw, for angulated screw apertures	M 1.6	L 5.5 mm
REF 386-930-00		Prosthetic screw, for angulated screw apertures for laboratory use only	M 1.6	L 5.5 mm

■ Components series of abutments **M**



■ Ball abutment – platform

REF 346-260-02		Ball abutment M, tioLogic® TWINFIT, platform	GH 1.5 mm	ø 2.25 mm
REF 346-261-02		Ball abutment M, tioLogic® TWINFIT, platform	GH 3.0 mm	ø 2.25 mm
REF 346-262-02		Ball abutment M, tioLogic® TWINFIT, platform	GH 4.5 mm	ø 2.25 mm

■ Ball abutment – accessories

REF 386-614-00		Ball abutment laboratory implant	ø 2.25 mm	
REF 386-630-00¹		Dalbo®-PLUS matrix TE basic		
REF 386-631-00¹		Lamellae retention insert E for matrix Dalbo®-PLUS		

¹ Product not available in all countries

■ Components series of abutments **M**



■ tioLOC – platform

REF 346-251-02		tioLOC abutment M, tioLogic® TWINFIT, platform	GH 1.5 mm	
REF 346-252-02		tioLOC abutment M, tioLogic® TWINFIT, platform	GH 3.0 mm	
REF 346-253-02		tioLOC abutment M, tioLogic® TWINFIT, platform	GH 4.5 mm	
REF 346-428-00		4Base tioLOC titanium cap, tioLogic® TWINFIT compatible with LOCATOR®	GH 3.1 mm	L 4.7 mm

■ Accessories

REF 346-512-00		Impression cap 2 pieces	ø 5.6 mm	L 4.5 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 (black cap with internal pin) 4 pieces		
REF 346-520-00		Yellow retention cap (with internal pin) 4 pieces	0-20°, 700 g	
REF 346-522-00		Pink retention cap (with internal pin) 4 pieces	0-20°, 900 g	
REF 346-524-00		Transparent retention cap (with internal pin) 4 pieces	0-20°, 1500 g	
REF 346-526-00		Violet retention cap (with internal pin) 4 pieces	0-20°, 2700 g	
REF 346-530-00		Protective plate, pink 10 pieces		
REF 347-745-00		Elastic cap insertion / removal tool		

Series of abutments L

for $\varnothing$ 4.8 mm and $\varnothing$ 5.5 mm tioLogic® TWINFIT implants.



ABUTMENT SWITCH

2 CONNECTOR GEOMETRIES – 1 IMPLANT

■ Components series of abutments L

■ Impression taking

REF 345-310-00		Impression post L, tioLogic® TWINFIT, platform, open, incl. screw with shortened thread	L 10.0 mm
REF 345-312-00		Impression post L, tioLogic® TWINFIT, platform, open, incl. screw with shortened thread	L 14.0 mm
REF 345-320-00		Impression post L, tioLogic® TWINFIT, platform, closed, incl. impression cap, retaining screw	L 9.5 mm
REF 345-322-00		Impression cap L, tioLogic® TWINFIT, 5 pieces	L 5.8 mm
REF 385-324-00		Positioning aid L for impression post L, closed	L 9.6 mm

■ Model

REF 345-330-00		Laboratory implant L, tioLogic® TWINFIT	L 12.0 mm
REF 345-332-00		Laboratory implant L, tioLogic® TWINFIT for printed and cast models	L 12.0 mm

■ Temporary restorations

REF 344-330-00		Temporary abutment L, tioLogic® TWINFIT, platform, 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

■ Components series of abutments L



■ CAD/CAM components – conical

REF 346-313-01		CAD/CAM titanium base L, tioLogic® TWINFIT, conical, GH 1.5 mm incl. AnoTite screw
REF 346-395-01		CAD/CAM titanium base L, tioLogic® TWINFIT, conical, GH 1.5 mm CEREC, Sirona, incl. AnoTite screw
REF 346-314-01		CAD/CAM titanium base L, tioLogic® TWINFIT, conical, GH 1.5 mm angulated screw aperture, incl. AnoTite screw 8.5 mm max. 20°
REF 346-397-01		CAD/CAM titanium block L, tioLogic® TWINFIT, PreForm, conical, incl. AnoTite screw



■ CAD/CAM components – platform

REF 346-313-02		CAD/CAM titanium base L, tioLogic® TWINFIT, platform, incl. AnoTite screw 9.0 mm GH 0.5 mm max. 20°
REF 346-395-02		CAD/CAM titanium base L, tioLogic® TWINFIT, platform, CEREC, Sirona, incl. AnoTite screw GH 0.5 mm
REF 346-399-02		CAD/CAM titanium adhesive base L, tioLogic® TWINFIT, platform, incl. AnoTite screw GH 0.7 mm
REF 346-397-02		CAD/CAM titanium block L, tioLogic® TWINFIT, PreForm, platform, incl. AnoTite screw

■ CAD/CAM components – accessories

REF 346-390-02		CAD/CAM scan abutment titanium L, tioLogic® TWINFIT, platform, incl. retaining screw		
REF 386-396-00		Modelling sleeve for CAD/CAM titanium base L, adjustable		
REF 346-430-00		CAD/CAM scan cap 4Base titanium, tioLogic® TWINFIT, 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 386-924-00		AnoTite screw, for angulated screw aperture	M 1.6	L 8.5 mm
REF 386-926-00		Prosthetic screw, for angulated screw aperture	M 1.6	L 8.5 mm
REF 386-928-00		AnoTite screw, for angulated screw aperture	M 1.6	L 5.5 mm
REF 386-930-00		Prosthetic screw, for angulated screw aperture	M 1.6	L 5.5 mm
REF 386-932-00		Retaining screw, for scan abutment and closed impression	M 1.6	L 14 mm

■ Components series of abutments L



■ Titanium – conical

REF 346-330-01		Titanium abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 1.5 mm	L 8.2 mm
REF 346-331-01		Titanium abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 2.5 mm	L 9.5 mm
REF 346-332-01		Titanium abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 4.0 mm	L 11.2 mm
REF 346-335-01		Titanium abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 1.5 mm	L 8.7 mm 20°
REF 346-336-01		Titanium abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 3.0 mm	L 10.2 mm 20°
REF 346-339-01		Titanium abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm



■ Titanium – platform

REF 346-330-02		Titanium abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 1.0 mm	L 8.0 mm
REF 346-331-02		Titanium abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 2.5 mm	L 9.5 mm
REF 346-332-02		Titanium abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 4.0 mm	L 11.0 mm
REF 346-335-02		Titanium abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 1.5 mm	L 8.7 mm 20°
REF 346-336-02		Titanium abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 3.0 mm	L 10.2 mm 20°
REF 346-339-02		Titanium abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 2.5 mm	L 12.0 mm

■ Titanium – accessories

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

■ Components series of abutments L



■ 4Base – conical

REF 346-340-01		4Base abutment L, tioLogic® TWINFIT, conical	GH 1.5 mm
REF 346-341-01		4Base abutment L, tioLogic® TWINFIT, conical	GH 2.5 mm
REF 346-342-01		4Base abutment L, tioLogic® TWINFIT, conical	GH 4.0 mm
REF 346-345-01		4Base abutment L, tioLogic® TWINFIT, conical, incl. AnoTite screw	GH 3.2 mm 20°
REF 346-346-01		4Base abutment L, tioLogic® TWINFIT, conical incl. AnoTite screw	GH 3.2 mm 30°



■ 4Base – platform

REF 346-340-02		4Base abutment L, tioLogic® TWINFIT, platform	GH 1.5 mm
REF 346-341-02		4Base abutment L, tioLogic® TWINFIT, platform	GH 2.5 mm
REF 346-342-02		4Base abutment L, tioLogic® TWINFIT, platform	GH 4.0 mm
REF 346-345-02		4Base abutment L, tioLogic® TWINFIT, platform, incl. AnoTite screw	GH 3.2 mm 20°
REF 346-346-02		4Base abutment L, tioLogic® TWINFIT, platform incl. AnoTite screw	GH 3.2 mm 30°

■ Components series of abutments L

■ 4Base – components – accessories

REF 346-410-00		4Base closure screw, tioLogic® TWINFIT		L 5.0 mm
REF 346-412-00		4Base impression post, tioLogic® TWINFIT, open incl. screw		L 11.5 mm
REF 346-414-00		4Base impression post, tioLogic® TWINFIT, closed incl. AnoTite screw		L 6.3 mm
REF 346-416-00		4Base impression cap, tioLogic® TWINFIT, 5 pieces		L 5.8 mm
REF 346-432-00		4Base laboratory implant, tioLogic® TWINFIT, for printed and cast models		L 14.6 mm
REF 346-420-00		4Base plastic cap, tioLogic® TWINFIT, incl. AnoTite screw		L 10.5 mm
REF 346-422-00		4Base titanium cap, tioLogic® TWINFIT, adhesive technique incl. AnoTite screw		L 10.5 mm
REF 346-424-00		4Base titanium cap, tioLogic® TWINFIT, lasering technique incl. AnoTite screw		L 6.2 mm
REF 346-428-00		4Base tioLOC titanium cap, tioLogic® TWINFIT	GH 3.1 mm	L 4.7 mm
REF 346-430-00		CAD/CAM scan cap 4Base titanium, tioLogic® TWINFIT, incl. AnoTite screw		L 10.0 mm
REF 386-910-00		AnoTite screw	M 1.6	L 9.0 mm
REF 386-912-00		AnoTite screw	M 1.6	L 6.0 mm
REF 386-914-00		Prosthetic screw for laboratory use only	M 1.6	L 9.0 mm
REF 386-916-00		Prosthetic screw for laboratory use only	M 1.6	L 6.0 mm
REF 386-928-00		AnoTite screw, for angulated screw apertures	M 1.6	L 5.5 mm
REF 386-930-00		Prosthetic screw, for angulated screw apertures for laboratory use only	M 1.6	L 5.5 mm

■ Components series of abutments L



■ Ball abutment – platform

REF 346-360-02		Ball abutment L, tioLogic® TWINFIT, platform	GH 1.5 mm	ø 2.25 mm
REF 346-361-02		Ball abutment L, tioLogic® TWINFIT, platform	GH 3.0 mm	ø 2.25 mm
REF 346-362-02		Ball abutment L, tioLogic® TWINFIT, platform	GH 4.5 mm	ø 2.25 mm

■ Ball abutment – accessories

REF 386-614-00		Ball abutment laboratory implant	ø 2.25 mm	
REF 386-630-00¹		Dalbo®-PLUS matrix TE basic		
REF 386-631-00¹		Lamellae retention insert E for matrix Dalbo®-PLUS		

¹ Product not available in all countries

■ Components series of abutments L



■ tioLOC – platform

REF 346-351-02		tioLOC abutment L, tioLogic® TWINFIT, platform	GH 1.5 mm	
REF 346-352-02		tioLOC abutment L, tioLogic® TWINFIT, platform	GH 3.0 mm	
REF 346-353-02		tioLOC abutment L, tioLogic® TWINFIT, platform	GH 4.5 mm	
REF 346-428-00		4Base tioLOC titanium cap, tioLogic® TWINFIT compatible with LOCATOR®	GH 3.1 mm	L 4.7 mm

■ Accessories

REF 346-512-00		Impression cap 2 pieces	ø 5.6 mm	L 4.5 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 (black cap with internal pin) 4 pieces		
REF 346-520-00		Yellow retention cap (with internal pin) 4 pieces	0-20°, 700 g	
REF 346-522-00		Pink retention cap (with internal pin) 4 pieces	0-20°, 900 g	
REF 346-524-00		Transparent retention cap (with internal pin) 4 pieces	0-20°, 1500 g	
REF 346-526-00		Violet retention cap (with internal pin) 4 pieces	0-20°, 2700 g	
REF 346-530-00		Protective plate, pink 10 pieces		
REF 347-745-00		Elastic cap insertion / removal tool		



ACCESSORIES.

■ Accessories Surgery

■ Osteotome tray

REF 350-103-00

Osteotome tray
not equipped



■ Osteotomy – single items

REF 350-170-00



Osteotome
concave, angled

ø 2.0 mm

REF 350-172-00



Osteotome
concave, angled

ø 3.3 mm

REF 350-174-00



Osteotome
concave, angled

ø 3.7 mm

REF 350-176-00



Osteotome
concave, angled

ø 4.2 mm

REF 350-178-00



Osteotome
concave, angled

ø 4.8 mm

REF 350-180-00



Osteotome
concave, angled

ø 5.5 mm

■ Accessories Surgery

■ 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 387-513-00		Adapter – ISO shank hexagon/ ratchet		L 20.0 mm
REF 347-514-00		Paralleling pin, tioLogic® TWINFIT		L 21.8 mm
REF 387-536-00		Insertion key S – ISO shank, tioLogic® TWINFIT	ø 3.3 mm	L 23.5 mm
REF 387-537-00		Insertion key M – ISO shank, tioLogic® TWINFIT	ø 3.7/4.2 mm	L 23.5 mm
REF 387-538-00		Insertion key L – ISO shank, tioLogic® TWINFIT	ø 4.8/5.5 mm	L 23.5 mm
REF 387-526-00		Insertion key S – ISO shank, tioLogic® TWINFIT	ø 3.3 mm	L 26.5 mm
REF 387-527-00		Insertion key M – ISO shank, tioLogic® TWINFIT	ø 3.7/4.2 mm	L 26.5 mm
REF 387-528-00		Insertion key L – ISO shank, tioLogic® TWINFIT	ø 4.8/5.5 mm	L 26.5 mm
REF 387-531-00		Insertion key S - ratchet, tioLogic® TWINFIT	ø 3.3 mm	L 26.6 mm
REF 387-532-00		Insertion key M - ratchet, tioLogic® TWINFIT	ø 3.7/4.2 mm	L 26.6 mm
REF 387-533-00		Insertion key L – ratchet, tioLogic® TWINFIT	ø 4.8/5.5 mm	L 26.6 mm

■ Accessories Surgery / Prosthetics

■ 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 347-646-00		PentaGrip insertion key – ISO shank, tioLogic® TWINFIT for 4Base / ball abutment		L 22.3 mm
REF 387-624-00		Hexagonal ball end key – ISO shank for angulated screw aperture	1.3	L 26.0 mm
REF 387-650-00		Insertion key LOCATOR® / tioLOC abutment – ratchet		L 15.5 mm
REF 387-800-00		Torque ratchet with blocking function		15 – ∞ Ncm
REF 387-602-00		Sure-grip wheel	∅ 18.0 mm	

■ Accessories Prosthetics

■ Prosthetics – single items

REF 387-730-00		Countersink – screw fit AnoTite screw
REF 387-663-00		Screwdriver / activator for Dalbo®-PLUS
REF 347-745-00		Elastic cap insertion / removal tool
REF 386-468-00		AngleFix cylindrical pin for screw aperture

■ Selection aid set

REF 348-400-01		Selection aid set S/M/L tioLogic® TWINFIT, conical
REF 348-400-02		Selection aid set S/M/L tioLogic® TWINFIT, platform

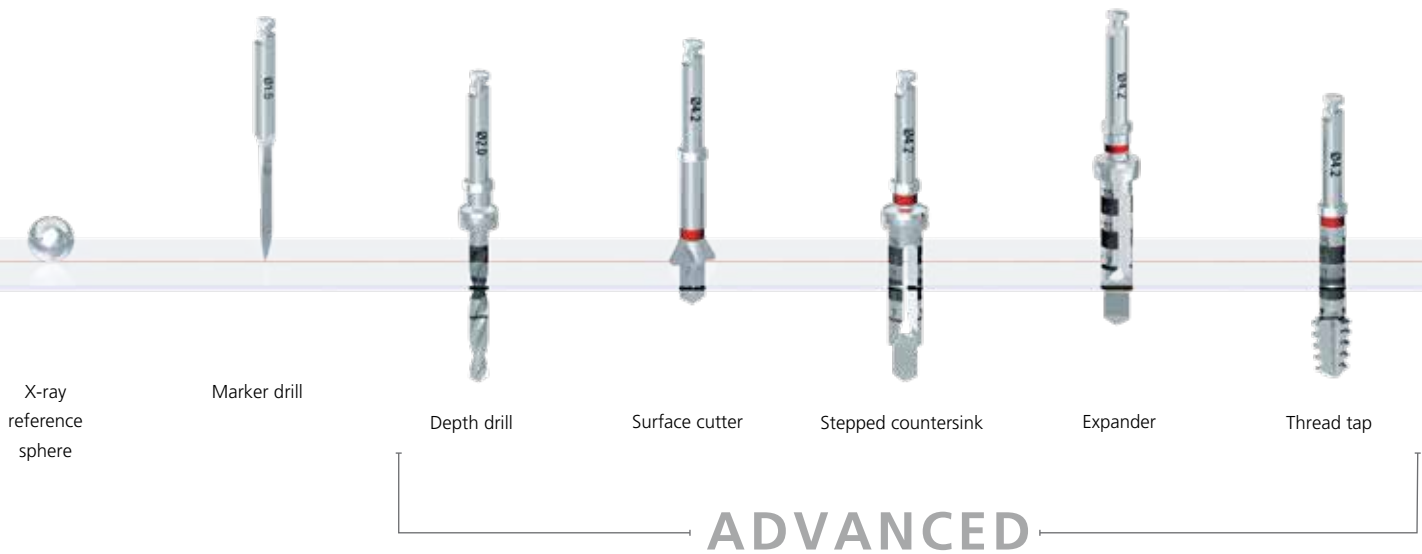
■ Demonstration models

REF 348-420-00		Demo implant tioLogic® TWINFIT ø 4.2 mm, L 13.0 mm	scale 5:1
REF 348-424-01		Demo titanium abutment M, tioLogic® TWINFIT, conical GH 2.5 mm incl. AnoTite screw	scale 5:1
REF 348-424-02		Demo titanium abutment M, tioLogic® TWINFIT, platform, GH 2.5 mm incl. AnoTite screw	scale 5:1
REF 348-426-00		Demo impression post M, tioLogic® TWINFIT, open, incl. screw	scale 5:1
REF 348-430-00		Demo display, tioLogic® TWINFIT equipped	scale 5:1
REF 348-410-00		Demo model in acrylic, tioLogic® TWINFIT maxilla, partially toothed, 4 implants, without prosthetics	scale 1:1
REF 348-412-00		Demo model in acrylic, tioLogic® TWINFIT mandible, partially toothed, 4 implants, without prosthetics	scale 1:1

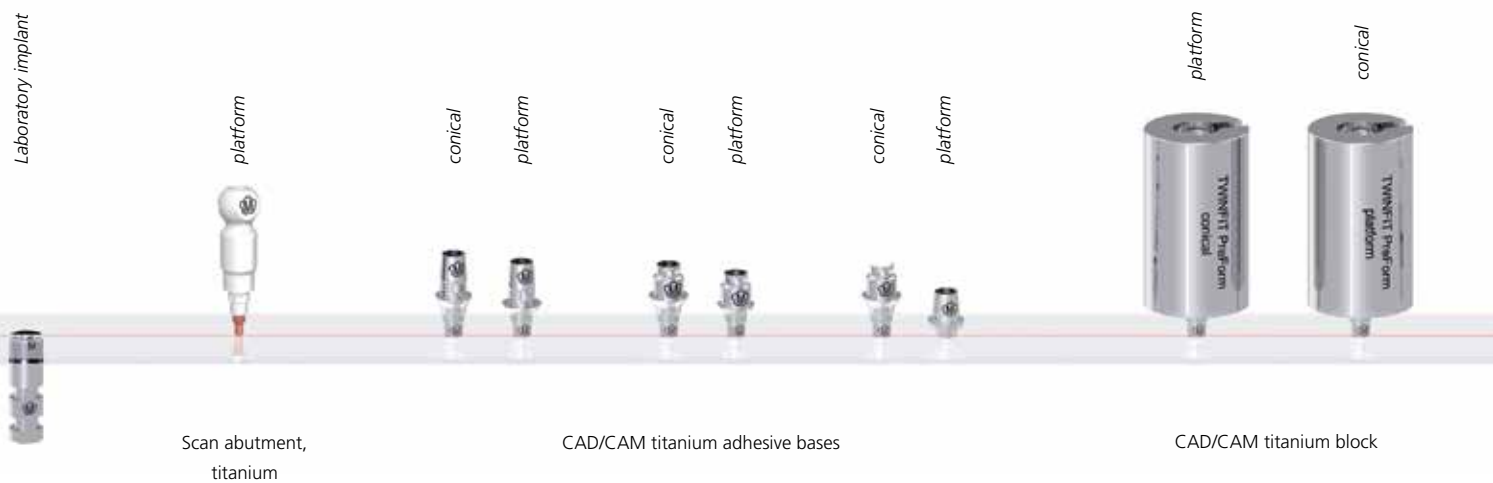


SERVICE.

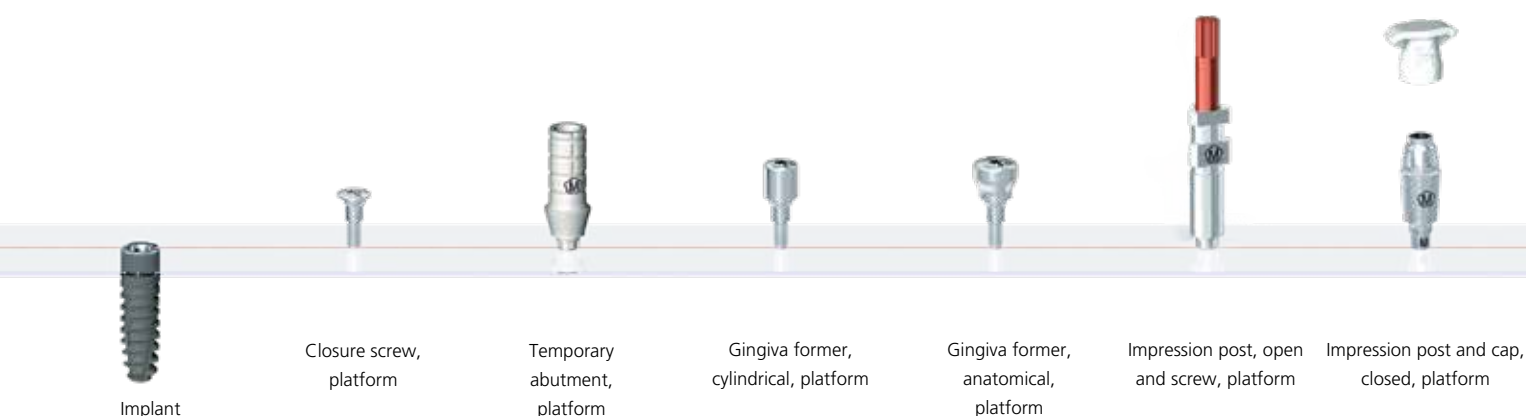
Surgery – tioLogic® TWINFIT.



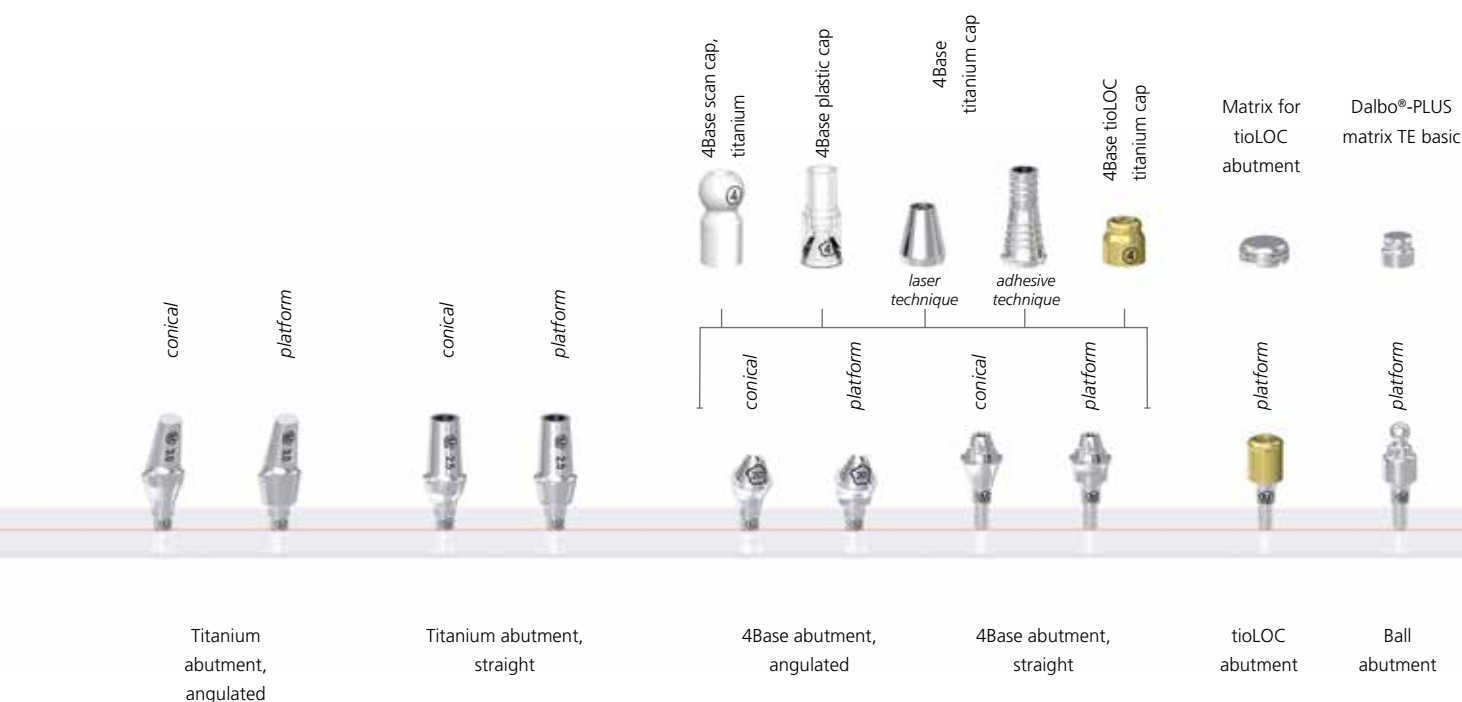
Prosthetics – tioLogic® TWINFIT.



tio logic[®] SURGERY.



tio logic[®] PROSTHETICS.



Information material on tioLogic® TWINFIT.



■ General information

REF 989-910-20	Product catalog tioLogic® TWINFIT
REF 989-767-10	Literature survey

■ Surgery

REF 989-911-20	Basic folder tioLogic® TWINFIT
REF 989-912-20	Surgery Manual tioLogic® TWINFIT
REF 989-501-15	Preparation protocol – tioLogic® TWINFIT
REF 989-501-45	Torque ratchet tioLogic® TWINFIT
REF 989-966-02	Surgical Protocol
REF 989-966-13	Implant Planning

■ Prosthetics

REF 989-913-20	Prosthetics Manual tioLogic® TWINFIT
REF 989-702-12	Basic folder tioLogic® digital.
REF 989-966-22	Practice Record Card
REF 989-800-86	Manual tioLogic® digital.

■ Information material for patients

REF 989-996-20	Patient brochure tioLogic®
REF 989-961-20	PatientPass tioLogic®
REF 903-919-20	Appointment pad tioLogic®
REF 989-501-53	Patient consultation tioLogic® TWINFIT

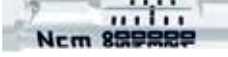
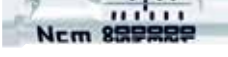
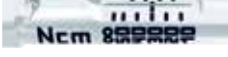
Torque ratchet

The torque ratchet is intended for clinical use only.

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



■ Tightening torques for implants and prosthetic components*

Implant insertion		max. 40 Ncm (depending on bone density)	
Closure screw Implant tioLogic® TWINFIT		15 Ncm or manually	
Closure screw 4Base abutment tioLogic® TWINFIT		15 Ncm or manually	
Gingiva former tioLogic® TWINFIT		15 Ncm or manually	
Screw for impression post tioLogic® TWINFIT		15 Ncm or manually	
Screw for temporary abutment tioLogic® TWINFIT		15 Ncm or manually	
AnoTite screw – L 9.0 mm		30 Ncm	
4Base abutment tioLogic® TWINFIT		35 Ncm	
AnoTite screw – L 6.0 mm		25 Ncm	
Ball abutment tioLogic® TWINFIT		35 Ncm	
tioLOC abutment tioLogic® TWINFIT		30 Ncm	
AnoTite screw – L 8.5 mm, for angulated screw apertures		25 Ncm	
AnoTite screw – L 5.5 mm for angulated screw apertures		25 Ncm	
Retaining screw with shortened thread		20 Ncm	

■ Inserts for the torque ratchet**



Hex key
1.3 – ratchet,
L 26.0 mm



Hex key
1.3 – ratchet,
L 16.0 mm



Insertion key S –
ratchet, tioLogic® TWINFIT,
L 26.6 mm



Insertion key M –
ratchet, tioLogic® TWINFIT,
L 26.6 mm



Insertion key L –
ratchet, tioLogic® TWINFIT,
L 26.6 mm



Insertion key
tioLOC abutment – ratchet,
L 15.0 mm



Adapter – ISO shank
hexagon / ratchet, L 15.0
mm



Adapter – ISO shank
hexagon / ratchet, L 20.0
mm

■ ISO shank inserts for adapter ISO shank / ratchet



Insertion key S – ISO shank,
tioLogic® TWINFIT,
L 23.5 mm



Insertion key M – ISO shank,
tioLogic® TWINFIT,
L 23.5 mm



Insertion key L – ISO shank,
tioLogic® TWINFIT,
L 23.5 mm



PentaGrip insertion key,
ISO shank,
L 22.3 mm



Hex key,
ISO shank 1.3,
L 20.0 mm



Insertion key S – ISO
shank, tioLogic® TWINFIT,
L 26.5 mm



Insertion key M – ISO shank,
tioLogic® TWINFIT,
L 26.5 mm



Insertion key L – ISO
shank, tioLogic® TWINFIT,
L 26.5 mm



Drill extension –
ISO shank hexagon,
L 21.0 mm



Hex key,
ISO shank 1.3,
L 26.0 mm



Hexagonal ball end key,
ISO shank 1.3,
L 26.0 mm

* Primary stable and osseointegrated

** There are different inserts available, depending on the application.

Material composition.

Implants ø 3.3, 3.7 and 4.2 mm

Implants ø 4.8 and 5.5 mm

Closure screws

Depth-stop sleeves

Gingiva former

Impression post:

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

Temporary abutments:

- Screw for temporary abutment

Titanium abutments:

- Titanium abutments straight/angulated
- CAD/CAM titanium base
- CAD/CAM titanium block

Scan abutment titanium and scan cap 4Base titanium

4Base abutments

4Base caps:

- 4Base plastic cap
- 4Base titanium cap, laser weldable
- 4Base titanium cap, adhesive technique
- 4Base closure screw
- 4Base impression post, open
- Screw for 4Base impression post, open
- 4Base impression post, closed
- Impression cap for 4Base impression post, closed

4Base laboratory implant

Ball abutment

Ball abutment laboratory implant

tioLOC abutment

Prosthetic screws:

- AnoTite screws
- Prosthetic screws
- Retaining screws

Titanium Grade 5

Titanium Grade 4

Titanium Grade 5

Polycarbonate USP Class VI

Titanium Grade 5

Titanium Grade 5

Stainless steel, 1.4305

Titanium Grade 5

Titanium Grade 5

POM

PEEK (polyether ether ketone)

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Polycarbonate

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Stainless steel, 1.4305

Titanium Grade 5

POM

Titanium Grade 5

Titanium Grade 5

Aluminum

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

Titanium Grade 5

■ 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.

■ 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) (continuou/temporary)

Quality assurance and environmental management



Quality assurance for the user and patient.

Dentaureum can look back on more than 20 years of experience in implantology and on 130 years of experience in 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® implant system.

In all its business activities, Dentaureum 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 Dentaureum 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 Dentaureum meet the requirements of the European Directive 93/42/EEC for medical products, they bear the CE mark.



Environmental management system.

The environmental management system and the quality management system are integrated in the Dentaureum 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 Dentaureum GmbH & Co. KG, Ispringen, Turnstr. 31, Germany, fully comply with the standards and requirements of the Regulation (EEC) No. 1221/2009 (EMAS III).

■ Alphabetical index A – D

Index.

- **4Base abutment**
 - S, conical..... 48
 - S, platform..... 48
 - M, conical..... 56
 - M, platform..... 56
 - L, conical..... 64
 - L, platform..... 64
- **4Base closure screw**..... 49, 57, 65
- **4Base impression post**
 - closed..... 49, 57, 65
 - open..... 49, 57, 65
- **4Base laboratory implant**..... 49, 57, 65
- **4Base plastic cap**..... 49, 57, 65
- **4Base titanium cap**..... 49, 57, 65

A

- **Adapter**
 - ISO shank hexagon / ratchet..... 27, 71
- **AnoTite screw**..... 46, 47, 49, 54, 55, 57, 62, 63, 65

B

- **Basic sleeve**..... 31
- **Ball abutment**
 - S, platform..... 50
 - M, platform..... 58
 - L, platform..... 66
- **Ball abutment laboratory implant**..... 50, 58, 66

C

- **CAD/CAM scan cap 4Base titanium**..... 46, 49, 54, 57, 62, 65
- **CAD/CAM titanium base**
 - S, conical..... 46
 - S, conical, CEREC, Sirona..... 46
 - S, platform..... 46
 - S, platform, CEREC, Sirona..... 46
 - M, conical..... 54
 - M, conical, CEREC, Sirona..... 54
 - M, platform..... 54
 - M, platform, CEREC, Sirona..... 54
 - L, conical..... 62
 - L, conical, CEREC, Sirona..... 62
 - L, platform..... 62
 - L, platform, CEREC, Sirona..... 62
- **CAD/CAM titanium block**
 - S, PreForm, conical..... 46
 - S, PreForm, platform..... 46
 - M, PreForm, conical..... 54
 - M, PreForm, platform..... 54
 - L, PreForm, conical..... 62
 - L, PreForm, platform..... 62
- **Countersink – screw fit AnoTite screw**..... 73

D

- **Dalbo®-PLUS matrix TE basic**..... 50, 58, 66
- **Demo implant ø 4.2**..... 73
- **Demo impression post M**..... 73
- **Demo model in acrylic, mandible**..... 73
- **Demo model in acrylic, maxilla**..... 73
- **Demo titanium abutment M, conical**..... 73
- **Demo titanium abutment M, platform**..... 73
- **Depth drill ADVANCED**..... 27, 29
- **Depth drill pOstion**..... 33
- **Drill extension – ISO shank hexagon**..... 27, 71
- **Drill for basic sleeve**..... 31
- **Drill for guide sleeve tungsten carbide**..... 25

■ Alphabetical index E – P

E

- Elastic cap insertion / removal tool for tioLOC 73
- Expander **ADVANCED**..... 27, 29
- Expander **pO**sition..... 35

G

- Gingiva cutter **pO**sition..... 33
- Gingiva fomer
 - S, anatomical 39
 - S, cylindrical 38
- Guide sleeves, titanium 25

H

- Hexagonal ball end key – ISO shank for angulated screw aperture..... 72
- Hex key **1.3**
 - ISO shank..... 27, 72
 - Ratchet 43, 72
- Holder for basic sleeve..... 31, 32

I

- Implants tioLogic® **TWINFIT** 37
- Impression cap
 - S 45
 - M..... 53
 - L 61
- Impression cap for tioLOC..... 51, 59, 67
- Impression post
 - S, closed..... 45
 - S, open 45
 - M, closed 53
 - M, open 53
 - L, closed..... 61
 - L, open..... 61
- Insertion key
 - S – ISO shank 27, 71
 - M – ISO shank..... 27, 71
 - L – ISO shank 27, 71
 - S – ratchet..... 27, 71
 - M – ratchet 27, 71
 - L – ratchet..... 27, 71
 - LOCATOR® / tioLOC abutment – ratchet 72

L

- Laboratory implant / Laboratory implant for printed and cast models
 - S 45
 - M..... 53
 - L 61
- Laboratory implant for tioLOC 50, 58, 66
- Lamellae retention insert **E** for matrix Dalbo®-PLUS..... 50, 58, 66

M

- Marking drill 27, 29
- Material plates..... 71
- Modelling sleeves for CAD/CAM titanium base
 - S 46
 - M..... 54
 - L 62

O

- Osteotome
 - concave..... 70
- Osteotome tray 70

P

- Paralleling pin..... 27, 71
- PentaGrip insertion key
 - 4Base / ball abutment – ISO shank..... 27, 72
- Planning foil..... 24
- Positioning aid
 - S 46, 72
 - M..... 54, 72
 - L 62, 72
- Positioning pin for basic sleeve..... 34
- Pre-drill for guide sleeve..... 25
- Prosthetic screw..... 46, 47, 49, 54, 55, 57, 62, 63, 65
- ProstheticSet for tioLogic® 42
- Protective plates for tioLOC 51, 59, 67

■ Alphabetical index R – Z

R

- **Replacement for laboratory caps for tioLOC**..... 51, 59, 67
 - **Retaining screw** 47, 55, 63
 - **Retention caps for tioLOC**..... 51, 59, 67
-

S

- **Scan abutment / Scan abutment titanium**
 - S 46
 - M 54
 - L 62
 - **Screw for impression post** 45, 53, 61
 - **Screw for temporary abutment**..... 45, 53, 61
 - **Screwdriver / activator for Dalbo®-PLUS** 73
 - **Set of assorted caps for tioLOC**..... 51, 59, 67
 - **Set inner sleeves**..... 32
 - **Stepped countersink ADVANCED** 27, 29
 - **Stepped countersink pOosition**..... 34
 - **Sure-grip wheel** 27, 72
 - **Surface cutter ADVANCED** 27, 28, 29
 - **Surgical Tray for tioLogic® TWINFIT** 26
-

T

- **Temporary abutment**
 - S 45
 - M 53
 - L 61
 - **Thread tap ADVANCED** 27, 29, 35
 - **tioLOC abutment**
 - S, platform 51
 - M, platform..... 59
 - L, platform 67
 - **Titanium abutment**
 - S, conical..... 47
 - S, platform 47
 - M, conical 55
 - M, platform..... 55
 - L, conical..... 63
 - L, platform 63
 - **Torque ratchet** 27, 43, 73
-

X

- **X-ray reference sphere**..... 25

■ Numerical index based on REF

330-560-00 – 345-132-00

330-560-00.....	25
341-410-00.....	24
341-412-00.....	24
343-033-09.....	37
343-033-11.....	37
343-033-13.....	37
343-033-15.....	37
343-037-07.....	37
343-037-09.....	37
343-037-11.....	37
343-037-13.....	37
343-037-15.....	37
343-042-07.....	37
343-042-09.....	37
343-042-11.....	37
343-042-13.....	37
343-042-15.....	37
343-048-07.....	37
343-048-09.....	37
343-048-11.....	37
343-048-13.....	37
343-048-15.....	37
343-055-09.....	37
343-055-11.....	37
343-055-13.....	37
343-055-15.....	37
344-110-00.....	38, 39
344-112-00.....	38
344-120-00.....	39
344-130-00.....	45
344-210-00.....	38, 39
344-212-00.....	38
344-214-00.....	38
344-220-00.....	39
344-222-00.....	39
344-230-00.....	53
344-310-00.....	38, 39
344-312-00.....	38
344-314-00.....	38
344-320-00.....	39
344-322-00.....	39
344-330-00.....	61
345-110-00.....	45
345-112-00.....	45
345-120-00.....	45
345-122-00.....	45
345-130-00.....	45
345-132-00.....	45

345-210-00 – 346-199-02

345-210-00.....	53
345-212-00.....	53
345-220-00.....	53
345-222-00.....	53
345-230-00.....	53
345-232-00.....	53
345-310-00.....	61
345-312-00.....	61
345-320-00.....	61
345-322-00.....	61
345-330-00.....	61
345-332-00.....	61
346-113-01.....	46
346-113-02.....	46
346-130-01.....	47
346-130-02.....	47
346-131-01.....	47
346-131-02.....	47
346-132-01.....	47
346-132-02.....	47
346-135-01.....	47
346-135-02.....	47
346-136-01.....	47
346-136-02.....	47
346-139-01.....	47
346-139-02.....	47
346-140-01.....	48
346-140-02.....	48
346-141-01.....	48
346-141-02.....	48
346-142-01.....	48
346-142-02.....	48
346-145-01.....	48
346-145-02.....	48
346-146-01.....	48
346-146-02.....	48
346-151-02.....	51
346-152-02.....	51
346-153-02.....	51
346-160-02.....	50
346-161-02.....	50
346-162-02.....	50
346-190-02.....	46
346-195-01.....	46
346-195-02.....	46
346-197-01.....	46
346-197-02.....	46
346-199-02.....	46

346-213-01 – 346-336-02

346-213-01.....	54
346-213-02.....	54
346-230-01.....	55
346-230-02.....	55
346-231-01.....	55
346-231-02.....	55
346-232-01.....	55
346-232-02.....	55
346-235-01.....	55
346-235-02.....	55
346-236-01.....	55
346-236-02.....	55
346-239-01.....	55
346-239-02.....	55
346-240-01.....	56
346-240-02.....	56
346-241-01.....	56
346-241-02.....	56
346-242-01.....	56
346-242-02.....	56
346-245-01.....	56
346-245-02.....	56
346-246-01.....	56
346-246-02.....	56
346-251-02.....	59
346-252-02.....	59
346-253-02.....	59
346-260-02.....	58
346-261-02.....	58
346-262-02.....	58
346-290-02.....	54
346-295-01.....	54
346-295-02.....	54
346-297-01.....	54
346-297-02.....	54
346-299-02.....	54
346-313-01.....	62
346-313-02.....	62
346-330-01.....	63
346-330-02.....	63
346-331-01.....	63
346-331-02.....	63
346-332-01.....	63
346-332-02.....	63
346-335-01.....	63
346-335-02.....	63
346-336-01.....	63
346-336-02.....	63

■ Numerical index based on REF

346-339-01 – 348-400-02	348-410-00 – 382-320-15	382-333-00 – 382-842-00
346-339-01 63	348-410-00 73	382-333-00 33
346-339-02 63	348-412-00 73	382-333-09 34
346-340-01 64	348-420-00 73	382-333-11 34
346-340-02 64	348-424-01 73	382-333-13 34
346-341-01 64	348-424-02 73	382-333-15 34
346-341-02 64	348-426-00 73	382-337-00 33
346-342-01 64	348-430-00 73	382-337-07 34
346-342-02 64	350-103-00 70	382-337-09 34
346-345-01 64	350-170-00 70	382-337-11 34
346-345-02 64	350-172-00 70	382-337-13 34
346-346-01 64	350-174-00 70	382-337-15 34
346-346-02 64	350-176-00 70	382-342-00 33
346-351-02 67	350-178-00 70	382-342-07 34
346-352-02 67	350-180-00 70	382-342-09 34
346-353-02 67	381-133-00 31	382-342-11 34
346-360-02 66	381-137-00 31	382-342-13 34
346-361-02 66	381-142-00 31	382-342-15 34
346-362-02 66	381-148-00 31	382-348-00 33
346-390-02 62	381-155-00 31	382-348-07 34
346-395-01 62	381-233-00 31	382-348-09 34
346-395-02 62	381-237-00 31	382-348-11 34
346-397-01 62	381-242-00 31	382-348-13 34
346-397-02 62	381-248-00 31	382-348-15 34
346-399-02 62	381-255-00 31	382-355-00 33
346-410-00 49, 57, 65	381-333-00 32	382-355-09 34
346-412-00 49, 57, 65	381-337-00 32	382-355-11 34
346-414-00 49, 57, 65	381-342-00 32	382-355-13 34
346-416-00 49, 57, 65	381-348-00 32	382-355-15 34
346-420-00 49, 57, 65	381-355-00 32	382-533-00 35
346-422-00 49, 57, 65	381-422-00 25	382-537-00 35
346-424-00 49, 57, 65	381-428-00 25	382-542-00 35
346-430-00 46, 49, 54, 57, 62, 65	381-533-00 31	382-548-00 35
346-512-00 51, 59, 67	381-537-00 31	382-555-00 35
346-514-00 51, 59, 67	381-542-00 31	382-720-15 25, 27, 29
346-516-00 51, 59, 67	381-548-00 31	382-733-00 27, 29
346-518-00 51, 59, 67	381-555-00 31	382-733-15 27, 29
346-520-00 51, 59, 67	381-733-00 32	382-737-00 27, 29
346-522-00 51, 59, 67	381-737-00 32	382-737-15 27, 29
346-524-00 51, 59, 67	381-742-00 32	382-742-00 27, 29
346-526-00 51, 59, 67	381-748-00 32	382-742-15 27, 29
346-530-00 51, 59, 67	381-755-00 32	382-748-00 27, 29
347-424-00 26	382-015-00 27, 29	382-748-15 27, 29
347-514-00 27, 71	382-320-07 33	382-755-00 27, 29
347-646-00 27, 72	382-320-09 33	382-755-15 27, 29
347-745-00 51, 59, 67, 73	382-320-11 33	382-833-00 35
348-400-01 73	382-320-13 33	382-837-00 35
348-400-02 73	382-320-15 33	382-842-00 35

Numerical index based on REF

382-848-00 – 387-612-00

382-848-00.....	35
382-855-00.....	35
382-933-00.....	27, 29, 35
382-933-15.....	27, 29
382-937-00.....	27, 29, 35
382-937-15.....	27, 29
382-942-00.....	27, 29, 35
382-942-15.....	27, 29
382-948-00.....	27, 29, 35
382-948-15.....	27, 29
382-955-00.....	27, 29, 35
382-955-15.....	27, 29
384-910-00.....	45, 53, 61
385-124-00.....	45, 72
385-224-00.....	53, 72
385-324-00.....	61, 72
386-196-00.....	46
386-296-00.....	54
386-396-00.....	62
386-468-00.....	73
386-614-00.....	50, 58, 66
386-630-00.....	50, 58, 66
386-631-00.....	50, 58, 66
386-914-00.....	46, 47, 49, 54, 55, 57, 62, 63, 65
386-916-00.....	49, 57, 65
386-924-00.....	46, 54, 62
386-926-00.....	46, 54, 62
386-928-00.....	46, 49, 54, 57, 62, 65
386-930-00.....	46, 49, 54, 57, 62, 65
386-932-00.....	46, 54, 62
387-426-00.....	42
387-509-00.....	27, 71
387-511-00.....	27, 71
387-513-00.....	71
387-526-00.....	27, 71
387-527-00.....	27, 71
387-528-00.....	27, 71
387-531-00.....	27, 71
387-532-00.....	27, 71
387-533-00.....	27, 71
387-536-00.....	27, 71
387-537-00.....	27, 71
387-538-00.....	27, 71
387-602-00.....	27, 72
387-610-00.....	27, 72
387-612-00.....	27, 72

387-620-00 – 989-996-20

387-620-00.....	27, 43, 72
387-622-00.....	27, 43, 72
387-650-00.....	72
387-663-00.....	73
387-730-00.....	73
387-800-00.....	27, 43, 72
903-919-20.....	79
989-501-53.....	79
989-961-20.....	79
989-996-20.....	79

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