IMPLA

Since 1963

IMPLA

The System

Importeur | distributeur
Schütz Dental NL

SCHÜTZ DENTAL
Micerium Group

Since 1963

IMPLA

„Made in Germany“

Quality and experience for over 50 years.

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IMPLA – The System

Thank you for your interest in IMPLA – Dive with us into the world of the IMPLA system: Experience it all here at a glance!

If you have any questions, we are happy to help you personally:

importeur | distributeur

SCHÜTZ DENTAL
Micerium Group

www.ubervo.nl

IMPLA – Tradition and innovation

It began with an idea.

The idea of putting smiles back on the faces of patients. Dentists were already using the predecessors of the current IMPLAnts over 50 years ago. Benefit from many years of experience.

Lothar Kanth developed these precursors in the 1960s. Since then, the IMPLA system has been continuously developed and improved for and with our customers. Both this continuity and our very high quality standard “Made in Germany” make the IMPLA system one of the most sophisticated implant systems in the world.

By integrating the IMPLA 3D navigation software into the “Complete Digital Workflow”, the system also offers you a very high degree of future viability. The “Complete Digital Workflow” ensures holistic networking of the different digital systems.

Whether by telephone or with you in your dental surgery: the experienced and dedicated IMPLA team will always be ready to offer you competent advice.

Safety tested

Our implants have been used successfully in the clinical environment since 1963. IMPLA means safety and high German quality at reasonable prices.

We are here for you!

Whether on the phone or in person at your site, the experienced and dedicated IMPLA team is here to offer you professional support for all your questions.

Tel. +49 (0) 6003 814-365 • E-mail: export@schuetz-dental.de

The small but important difference

Perfection „Made in Germany“

By means of a certified procedure, we achieve a micro-structured, high purity surface.

We achieve a microstructured, high purity surface by using a certified procedure. The blasted and etched surface ensures optimal cell adaptation, and fast and reliable healing. Studies show that a surface roughness between 1.0 and 2.0 µm creates an optimum basis for reliable osseointegration (cf. Wennerberg/Albrektsson, 2006, International Dentistry SA Vol. 8, No. 6, 2006). Internal measurements show that IMPLA implants have an average surface roughness of 1–2 µm.

Parameter table: Amplitude parameters according to ISO 4287

Context			Mean	Std dev	Min	Max
Amplitude parameter - Surface roughness profile						
Ra	µm	Gaussian filter 0.025 mm	1.25	0.101	1.12	1.44

4.5 mm IMPLA Cylindrical. Determination of the mean roughness Ra = 1.25 µm

Non-contact means safe

IMPLA implants (except Interim) are delivered in double sterile packaging. Using the integrated insertion aid you can insert the implant straight from the packaging. You do away with the fiddly step of removing the implant from the packaging using an instrument. This makes your work efficient and easier and offers your patients even greater safety.

Cost transparency

For the two-part implant lines Cylindrical, Dual Surface and Micro Retention, insertion post, laboratory screw and implant healing cap are already included in the scope of delivery of the implant.

You have the choice

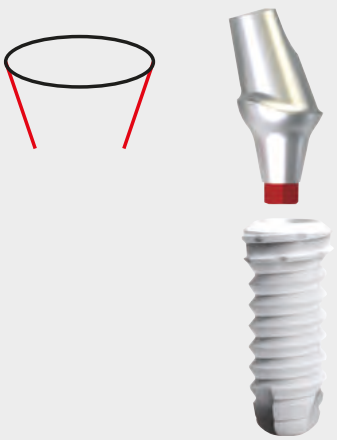
Seven implant lines in only one box.

Just the right implant for nearly every indication and all this in only one single, clearly laid out surgery box.

You and your assistance no longer have to deal with multiple trays. This will make your work not only safer, but even more efficient. This advantage is also reflected in the laboratory accessories.
Although the two-part IMPLA system offers six different surgical diameters (3.3 mm | 3.6 mm | 4.2 mm | 4.5 mm | 5.3 mm | 5.5 mm), the system uses only three prosthetic platforms (each with the smaller diameter 3.3 mm | 4.2 mm | 5.3 mm).
Thus, the processes from impression taking to the gingiva former to the abutment can be organized in a unique and simple way - both during the procedures in the surgery and during the production in the dental laboratory.

Two connections, the choice is yours

Cone Connection



Combination of internal conical connection and rotation-lock (hexagonal).

Hex Connection

Internal hexagonal connection.

IMPLA – Training Courses

Join us as we head into the future. We will support you with a wide range of courses:

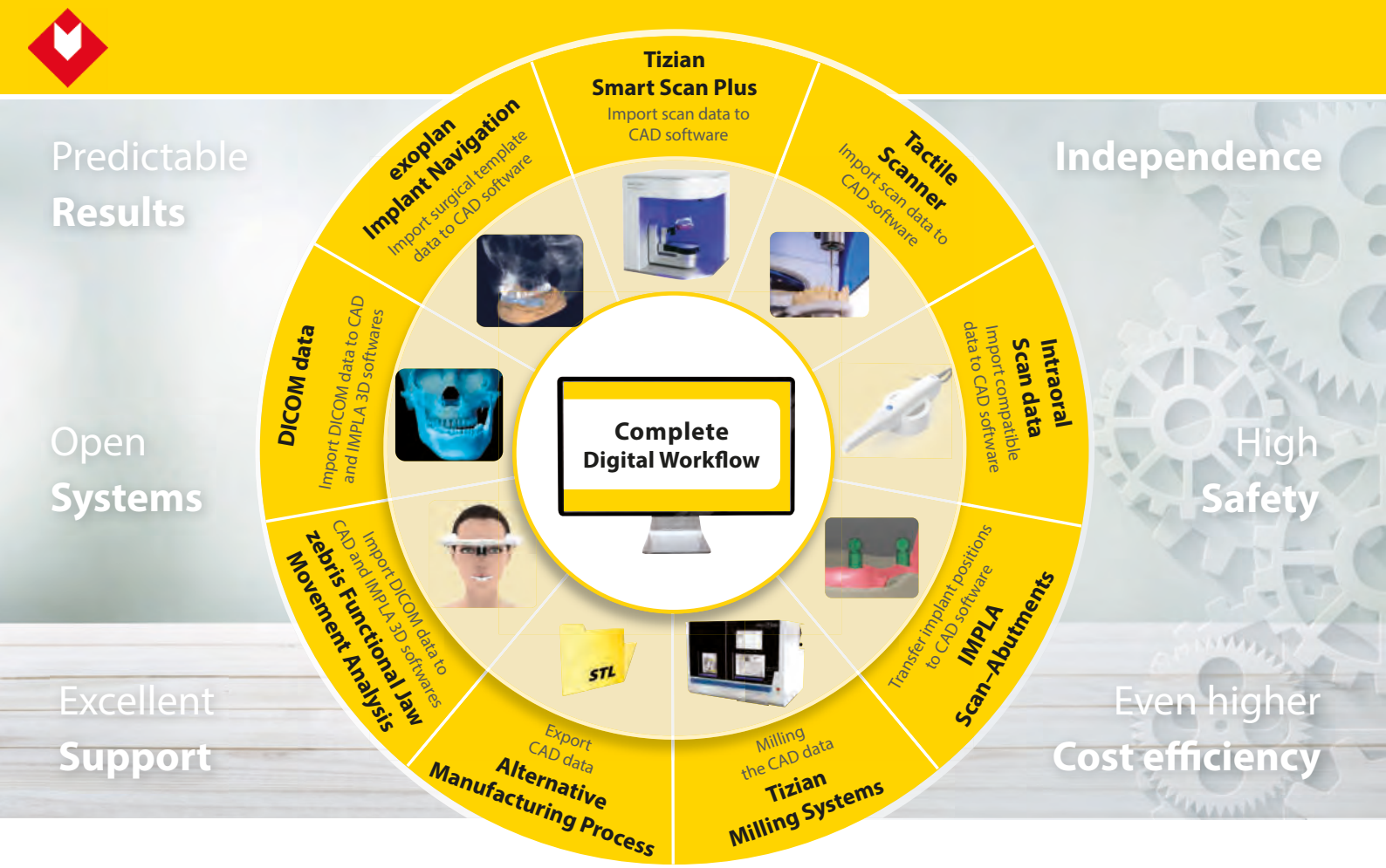
Thanks to cooperation with prestigious implantologists and specialist companies from all over the world, the IMPLA system has become a genuine all-rounder for everyday use in the implantology world and fulfills your every requirement. Our renowned course instructors report on modern techniques, innovative methods, and pioneering processes.

IMPLA courses

- **IMPLA Implantological Training Camp**
  5 days of practical experience!
- **Curriculum „The Tissue Master Concept“**
  Course I: Beginners – The Basics of the TMC
  Course II: Advanced – Treatment concept and clinical case scenarios in greater detail
  Course III: “The Blade Philosophy”– New strategies in soft tissue and PA surgery
  Course IV: Experts – Pioneering aspects of the TMC
- **Implantology Curriculum**
  Application-oriented theory foundation course by practitioners for practitioners (7 modules)
- **IMPLA Curriculum: Anatomy**
  With practical exercises on a human specimen
- **IMPLA practical intensive course & assistance program**
  Implantology for beginners & advanced – a patient case from planning through implementation to after-checks

For a full list of courses, conferences and training programs, please visit:

www.sdent.eu/implaevents

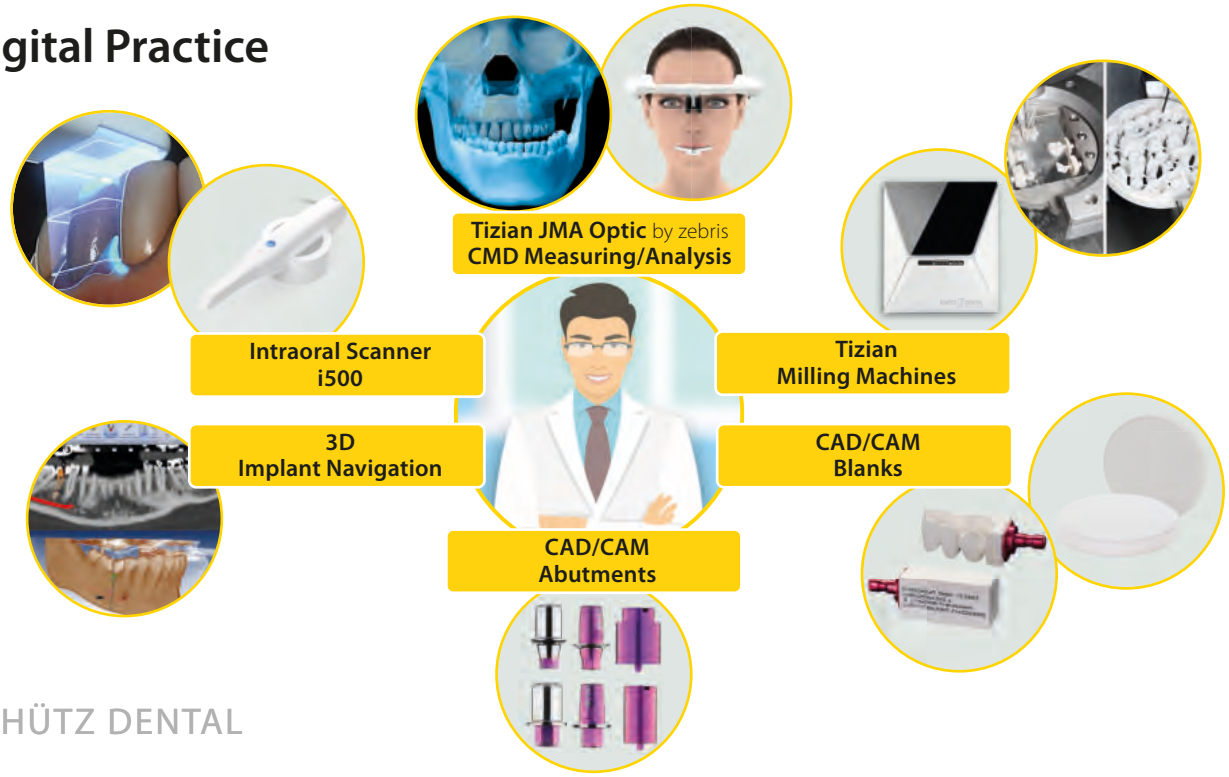


IMPLA – Part of the Complete Digital Workflow

An open system

The IMPLA system is naturally equipped to face the digital future that practices are heading into. By connecting the IMPLA 3D system to the Tizian JMA Optic jaw measurement system by zebris and using modern CAD/CAM technology, even today, it is already possible to integrate a huge range of data into your implant planning. Benefit from this decisive competitive advantage now!

Digital Practice



Excerpt from our network of course instructors

Renown national and international IMPLA users

Dr. med. Henning Aleyt
Specialist for oral and maxillofacial surgery
Zeitz, Germany

Dr. med. stom. Simon Bass
Dentist & Implantologist
Berlin-Steglitz, Germany

Dr. med. dent. Umut Baysal
Dentist & Implantologist,
Study group leader DGZI
Attendorn/Cologne, Germany

Dr. med. dent. Matthias Beldoch
Dentist & Implantologist
Cologne, Germany

Michael Domin
Dentist & Dental Technician
Pulheim-Sinthern, Germany

Dr. med. dent. Christian Drägert
Dentist & Implantologist
Germering, Germany

Dr. Mitko Frangov
Oral Surgeon & Implantologist
Skopje, North Macedonia
Doha, Qatar

Dr. Bettina Heukenkamp
Dentist & Implantologist
Berlin-Steglitz, Germany

Dr. medic (RO) Christian Jerecinski
Dentist, M.Sc. Implantology,
M.Sc. Oral Surgery/Implantology
Paderborn, Germany

Dr. Stefan Neumeyer
M.Sc. Periodontology & Periimplant Therapy, Specialist Oral Implantology DGZI/GBOI, Specialist Implantology EDA
Eschlkam, Germany

Dr. med. dent. Dr. scient. med. Philipp Plugmann
M.Sc. Periodontology & Implant Therapy (DGParo)
Leverkusen, Germany

Dr. Amir Hossein Rezaei
Dentist, Periodontist
Berlin, Germany

Dr. med. dent. Jürgen Schmitz
M.Sc. Orthodontics
Frechen, Germany

Dr. Marjan Stojanovski
Periodontist & Implantologist
Skopje, North Macedonia

Prof. Dr. Mazen Tamimi
Maxillofacial Surgeon (PhD) University Visiting Professor in USA, Egypt, Germany
Amman, Jordan

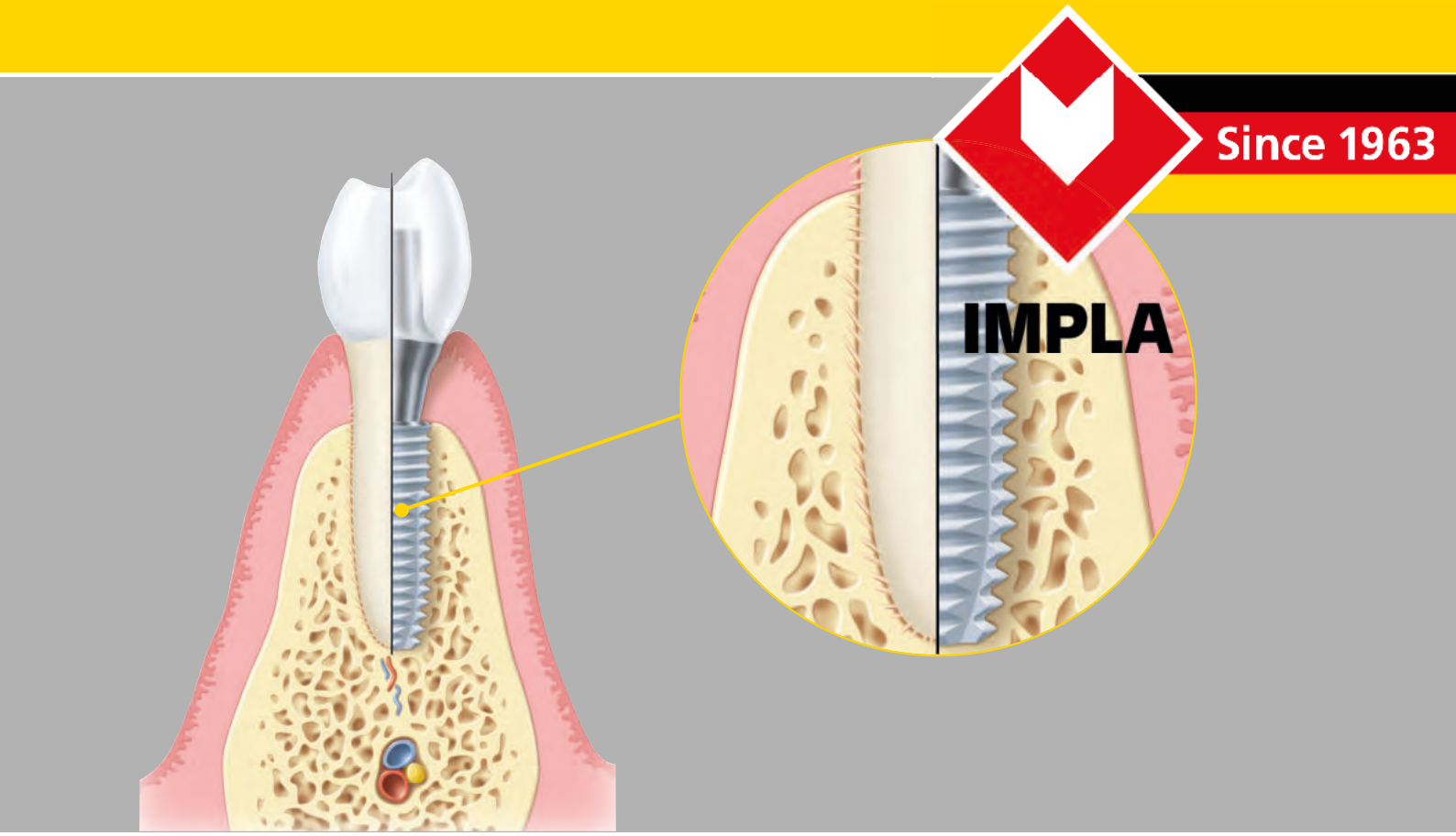
Vis. Prof. (univ. Cairo) Dr. Rainer Valentin
Dentist, Implantology Specialist (DGZI), Surgery, Periodontology
Cologne, Germany

Dr. Zlatko Vrshkovski
Maxillofacial Surgeon, Implantologist, President IMPLA Study Club North Macedonia
Bitola, North Macedonia

Maximilian von Kleinsorgen
Dentist
Frechen, Germany

Dr. med. dent. Frank Westerfeld
Dentist, Oral Surgery
Friedberg, Germany

M. Sc. Freddi Zelener
Dentist, Specialist for Implantology & Oral Surgery
Berlin, Germany



Implant lines

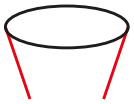
Always the right implant at your fingertips.

Thanks to the wide variety of implants in our system, as an implantologist you always have just the right implant at your fingertips for practically any indication.

Eight different lines with two connection types – cone connection and hex connection – are available for your individual selection. Below you will find detailed information about the different implant lines and advantages that your colleagues appreciate in the various implant lines.

IMPLA implant lines at a glance:

- IMPLA Cylindrical Cone Connection p. 12
- IMPLA Micro Retention Cone Connection p. 14
- IMPLA Cylindrical Hex Connection p. 16
- IMPLA Micro Retention Hex Connection p. 18
- IMPLA Mini p. 20
- IMPLA Interim p. 22



IMPLA Cylindrical Cone Connection

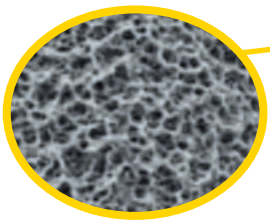
The cylindrical "all-round implant" with its self-tapping thread and rotation-locked internal conical connection. The basic cylindrical shape of the implant is supplemented by synchronous thread turns up to the implant shoulder. Quick adjustment of the insertion depth by the implantologist is possible in many cases.

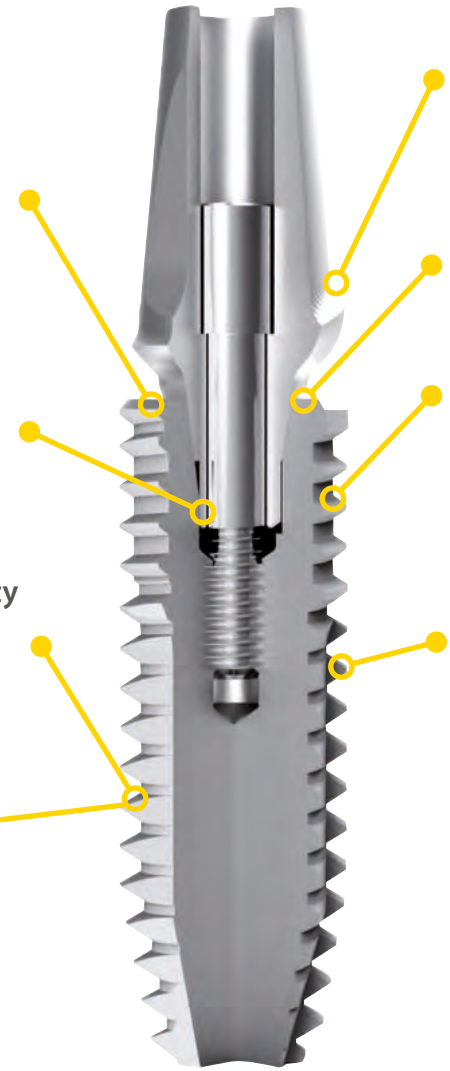
The rotation-locked conical internal connection minimizes the microgap between the implant and the abutment. This supports preservation of the marginal bone and prevents peri-implantitis. The additional hexagonal connection inside the implant serves as a rotation lock.

Integrated platform switching
- preservation of the marginal bone level
- improvement in the soft tissue attachment

Cone and hex
- for maximum reliability
- cone to prevent microgap
- hex for rotation lock

Microstructured, high purity surface
- blasted and etched for optimal cell adaptation and reliable osseointegration





Emergence profile
- for excellent, aesthetic results and time saving

Improved red/white aesthetics through closed microgap

Special micro thread
- with a gradient of 0.8 mm for very high primary stability

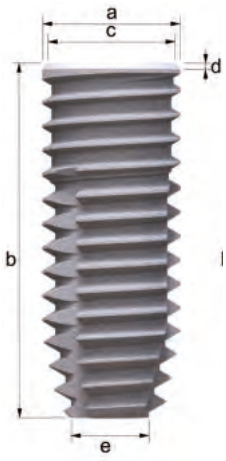
Self-tapping thread
- maximum surgical flexibility
- reduced surgery effort
- very high primary stability

Also available as Shorty!

Pictures may vary.

Technical data (in mm)

IMPLA Cylindrical Cone Connection



Cylindrical Cone Connection

	a	b	c	d	e
●	3.6	8.0	2.8	0.2	2.7
		9.5	2.8	0.2	2.7
		11.5	2.8	0.2	2.7
		13.0	2.8	0.2	2.7
●	4.5	6.5	2.8	0.2	3.6
		8.0	2.8	0.2	3.6
		9.5	2.8	0.2	3.6
		11.5	2.8	0.2	3.6
		13.0	2.8	0.2	3.6
●	5.5	8.0	3.8	0.2	4.6
		9.5	3.8	0.2	4.6
		11.5	3.8	0.2	4.6
		13.0	3.8	0.2	4.6

Please note!

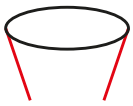
You will find further information in chapter “Prosthetics” (p. 44 et sqq.)

Cylindrical Cone Connection

Implant length	∅ 3.6 mm	∅ 4.5 mm	∅ 5.5 mm
6.5 mm (Shorty)	–	● Art. no. 635778	–
8.0 mm	● Art. no. 635770	● Art. no. 635780	● Art. no. 635784
9.5 mm	● Art. no. 635771	● Art. no. 635781	● Art. no. 635785
11.5 mm	● Art. no. 635772	● Art. no. 635782	● Art. no. 635786
13.0 mm	● Art. no. 635773	● Art. no. 635783	● Art. no. 635787

Free in the scope of delivery of the implant: Healing cap, insertion post and laboratory screw

Pictures may vary.



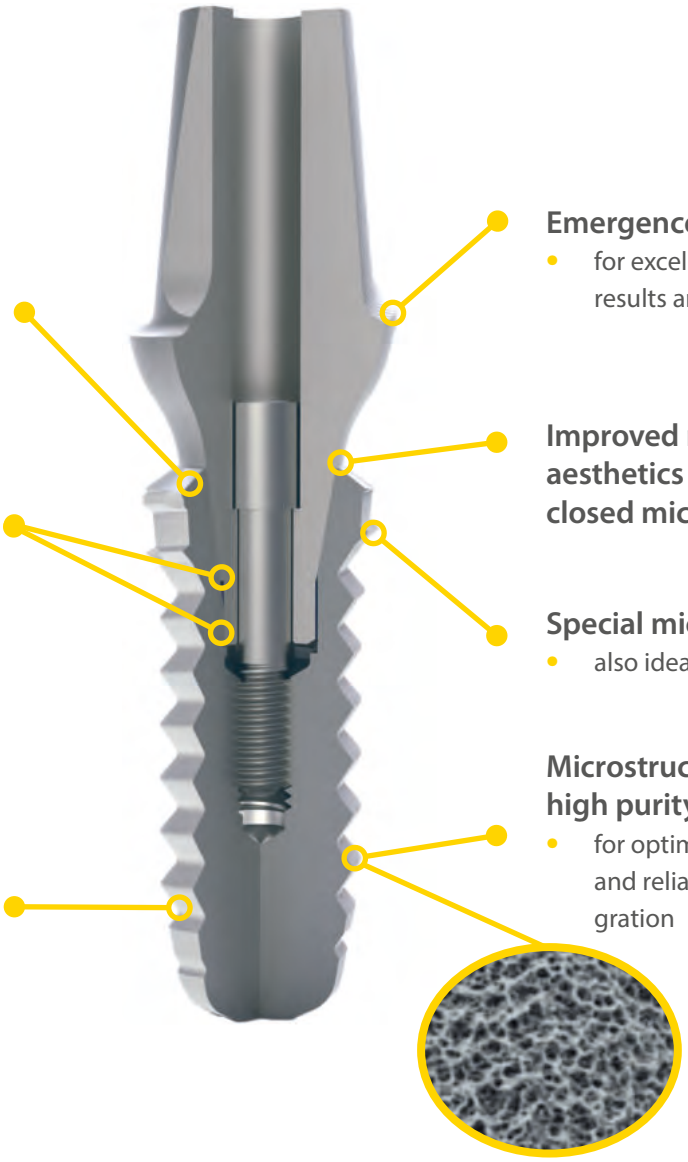
IMPLA Micro Retention Cone Connection

The implant with the basic conical shape and rotation-locked internal conical connection. Due to the special thread in the neck area, this implant is predestined for use particularly in the cancellous upper jaw bone. The Micro Retentions of the upper thread turn cut into the cortical bone and offer excellent primary stability. This implant line also offers fast and safe insertion possibilities in hard bones. The rotation-locked internal conical connection minimizes the microgap between the implant and the abutment. This supports preservation of the marginal bone and prevents peri-implantitis. The additional hexagonal connection inside the implant serves as a rotation lock.

Integrated Platform Switching
- for improvement in the soft tissue attachment

Cone and hex
- for maximum reliability
- hex for rotation lock
- cone to prevent microgap

Reliable, condensing thread design
- for improved primary stability even in soft bones



Emergence profile
- for excellent aesthetic results and time saving

Improved red/white aesthetics through closed microgap

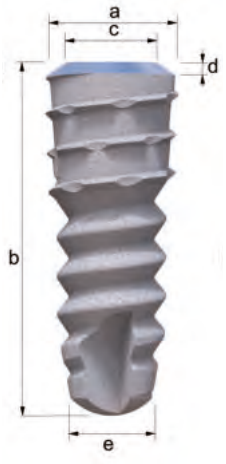
Special microthread
- also ideal for the sinus lift

Microstructured high purity surface
- for optimal cell adaptation and reliable osseointegration

Pictures may vary.

Technical data (in mm)

IMPLA Micro Retention Cone Connection



Micro Retention Cone Connection

	a	b	c	d	e
●	3.3	11.5	2.8	0.2	2.7
		13.0	2.8	0.2	2.7
		14.5	2.8	0.2	2.7
●	4.2	9.5	2.8	0.4	2.7
		11.5	2.8	0.4	2.7
		13.0	2.8	0.4	2.7
		14.5	2.8	0.4	2.7
●	5.3	9.5	3.8	0.5	3.9
		11.5	3.8	0.5	3.9
		13.0	3.8	0.5	3.9
		14.5	3.8	0.5	3.9

Please note!

You will find further information in chapter “Prosthetics” (p. 44 et sqq.)

Micro Retention Cone Connection

Implant length	∅ 3.3 mm	∅ 4.2 mm	∅ 5.3 mm
9.5 mm	–	● Art. no. 635675	● Art. no. 635681
11.5 mm	● Art. no. 635670	● Art. no. 635676	● Art. no. 635682
13.0 mm	● Art. no. 635671	● Art. no. 635677	● Art. no. 635683
14.5 mm	● Art. no.635672	● Art. no. 635678	● Art. no. 635684

Free in the scope of delivery of the implant: Healing cap, insertion post and laboratory screw

Pictures may vary.

IMPLA Cylindrical Hex Connection

The cylindrical “all-round implant” with its self-tapping thread and internal hexagonal connection (hex connection).
Regardless of whether the maxilla or mandible, whether hard or soft bones – the IMPLA Cylindrical implant always offers the appropriate answer to the challenges of the implantology daily routine. The basic cylindrical shape is supplemented by a synchronous thread up to the implant shoulder. Similarly, the surface of the cylindrical implant is blasted and etched up to the implant shoulder. In addition to excellent primary stability, even in cancellous bone, the cylindrical implant design provides you with a very high degree of flexibility. In particular, the insertion depth can be adjusted very quickly by the surgeon. The self-cutting thread reduces surgical effort. Integrated platform switching helps to better preserve the marginal bone.

Integrated platform switching
- preservation of the marginal bone level
- for improvement in the soft tissue attachment

High-precision internal hexagonal connection (hex connection)
- for a rotation-lock connection between the implant and the abutment

Self-tapping thread
- for maximum surgical flexibility
- reduces surgery effort
- Very high primary stability

Emergence profile
- for excellent aesthetic results and time saving

Special micro thread
- with a gradient of 0.8 mm for very high primary stability

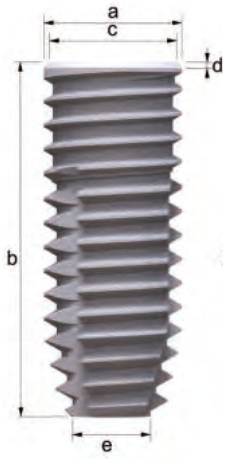
Microstructured, high purity surface
- for optimal cell adaptation and reliable osseointegration

Also available as Shorty!

Pictures may vary.

Technical data (in mm)

IMPLA Cylindrical Hex Connection



Cylindrical Hex Connection

	a	b	c	d	e
●	3.6	8.0	3.3	0.2	2.7
		9.5	3.3	0.2	2.7
		11.5	3.3	0.2	2.7
		13.0	3.3	0.2	2.7
●	4.5	6.5	4.2	0.2	3.6
		8.0	4.2	0.2	3.6
		9.5	4.2	0.2	3.6
		11.5	4.2	0.2	3.6
		13.0	4.2	0.2	3.6
●	5.5	6.5	5.3	0.2	4.6
		8.0	5.3	0.2	4.6
		9.5	5.3	0.2	4.6
		11.5	5.3	0.2	4.6
		13.0	5.3	0.2	4.6

Please note!

You will find further information in chapter “Prosthetics” (p. 58 et sqq.)

Cylindrical Hex Connection

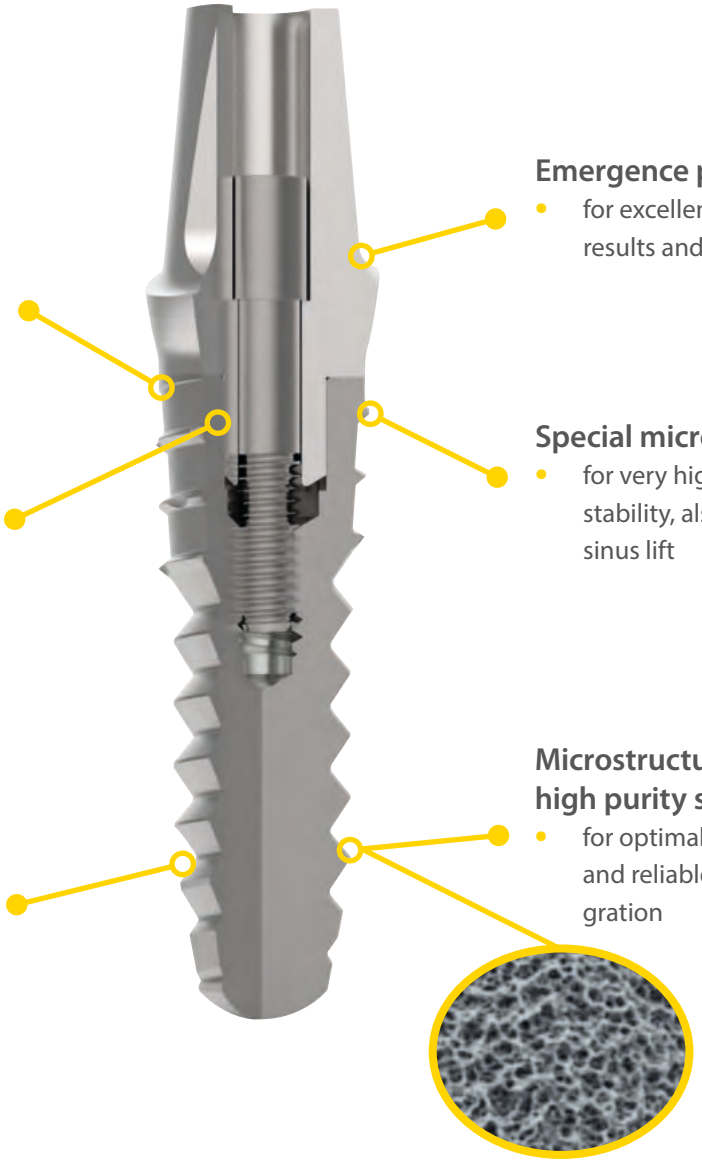
Implant length	Ø 3.6 mm	Ø 4.5 mm	Ø 5.5 mm
6.5 mm (Shorty)	–	● Art. no. 635378	● Art. no. 635379
8.0 mm	● Art. no. 635370	● Art. no. 635380	● Art. no. 635384
9.5 mm	● Art. no. 635371	● Art. no. 635381	● Art. no. 635385
11.5 mm	● Art. no. 635372	● Art. no. 635382	● Art. no. 635386
13.0 mm	● Art. no. 635373	● Art. no. 635383	● Art. no. 635387

Free in the scope of delivery of the implant: Healing cap, insertion post and laboratory screw

Pictures may vary.

IMPLA Micro Retention Hex Connection

The implant with the basic conical shape and internal hexagonal connection. The high precision internal hexagonal connection (hex connection) with rotation lock guarantees a secure connection between the implant and abutment. The specially designed thread in the implant neck area gives the implant extraordinary primary stability and therefore greater reliability, even where the bone conditions are less favorable - for example in cancellous upper jaw bones or in the area of the sinus with reduced residual bone. You also have the option to work with platform switching.



Optional Platform Switching
- for improvement in the soft tissue attachment

High-precision internal hexagonal connection
- for a rotation-lock connection between the implant and the abutment

Reliable, condensing thread design
- for improved primary stability even in soft bones

Emergence profile
- for excellent aesthetic results and time saving

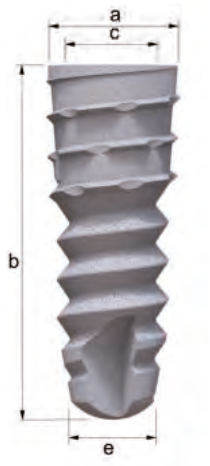
Special microthread
- for very high primary stability, also ideal for the sinus lift

Microstructured high purity surface
- for optimal cell adaptation and reliable osseointegration

Pictures may vary.

Technical data (in mm)

IMPLA Micro Retention Hex Connection



Micro Retention Hex Connection

	a	b	c	e
●	3.3	11.5	2.8	2.7
		13.0	2.8	2.7
		14.5	2.8	2.7
●	4.2	9.5	2.8	2.7
		11.5	2.8	2.7
		13.0	2.8	2.7
		14.5	2.8	2.7
●	5.3	9.5	2.8	3.9
		11.5	2.8	3.9
		13.0	2.8	3.9
		14.5	2.8	3.9

Please note!

You will find further information in chapter “Prosthetics” (p. 58 et sqq.)

Micro Retention Hex Connection

Implant length	Ø 3.3 mm	Ø 4.2 mm	Ø 5.3 mm
9.5 mm	–	● Art. no. 635275	● Art. no. 635281
11.5 mm	● Art. no. 635270	● Art. no. 635276	● Art. no. 635282
13.0 mm	● Art. no. 635271	● Art. no. 635277	● Art. no. 635283
14.5 mm	● Art. no.635272	● Art. no. 635278	● Art. no. 635284

Free in the scope of delivery of the implant: Healing cap, insertion post and laboratory screw

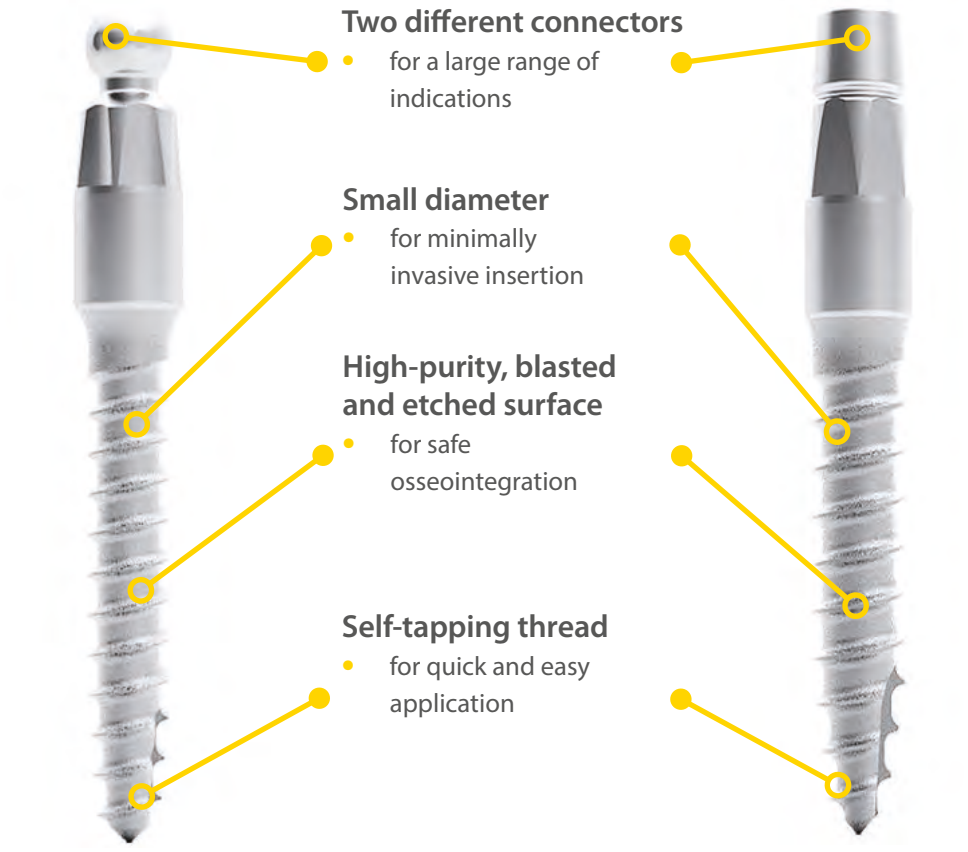
Pictures may vary.

IMPLA Mini

The one-piece Mini implant with either a ball or conical top. The one-piece IMPLA Mini-Series implants also have a high-quality blasted and etched surface. Thanks to their size and shape, Mini implants are also suitable when using the flapless technique and for transgingival insertion, depending on the clinical case. Furthermore, the brief drilling protocol keeps the surgery time at a minimum. The Mini-balltop implant made of grade 4 titanium is excellent for fixing full dentures (cover dentures). The Mini-conetop implant, also from grade 4 titanium, is particularly well suited for bar restorations, where there is limited available space. IMPLA Mini implants are an economical alternative to two-piece implants.

Mini balltop

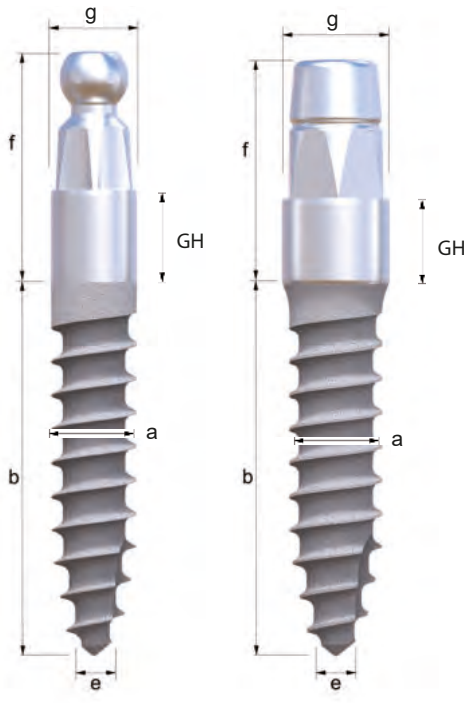
Mini conetop



Pictures may vary.

Technical data (in mm)

IMPLA Mini balltop und IMPLA Mini conetop



Mini balltop

a	b	e	f	GH	g
2.1	9.5	1.6	8.1	3.0	2.8
	11.5	1.6	8.1	3.0	2.8
	13	1.6	8.1	3.0	2.8
2.5	9.5	1.7	8.1	3.0	2.8
	11.5	1.7	8.1	3.0	2.8
	13	1.7	8.1	3.0	2.8

Mini conetop

a	b	e	f	GH	g
3.0	9.5	2.0	5.6	2.5	3.5
3.0	11.5	2.0	5.6	2.5	3.5
3.0	13.0	2.0	5.6	2.5	3.5

Please note!

You will find further information in chapter “Prosthetics” (p. 72)

Mini balltop

Implant length	∅ 2.1 mm	∅ 2.5 mm
9.5 mm	Art. no. 635481	Art. no. 635484
11.5 mm	Art. no. 635482	Art. no. 635485
13.0 mm	Art. no. 635483	Art. no. 635486

Mini conetop

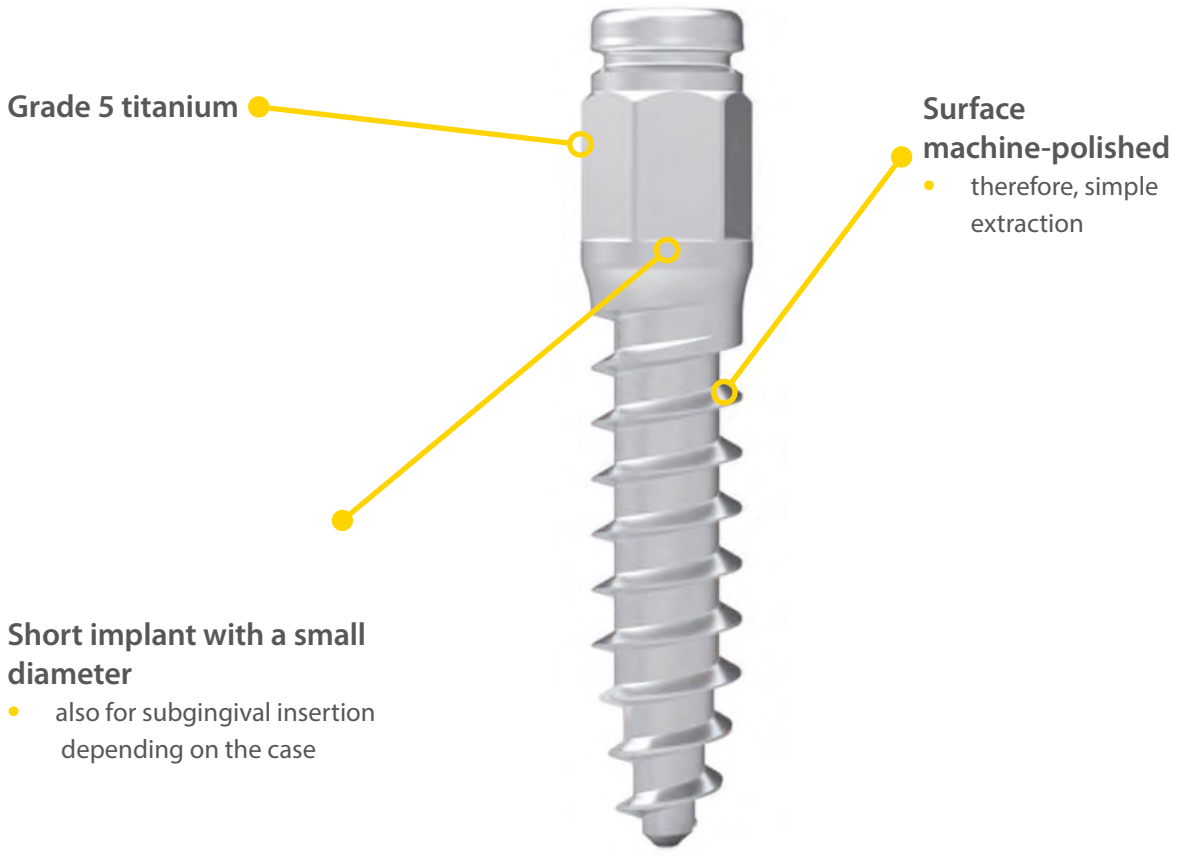
Implant length	∅ 3.0 mm
9.5 mm	Art. no. 635474
11.5 mm	Art. no. 635471
13.0 mm	Art. no. 635473

Pictures may vary.

IMPLA Interim

The Interim implant, for securely fixing temporary bridges, drilling templates and the like. The IMPLA Interim implant is a conical screw implant (made of grade 5 titanium) that allows a temporary restoration to be provided immediately while the permanent implants are healing into the tissue.

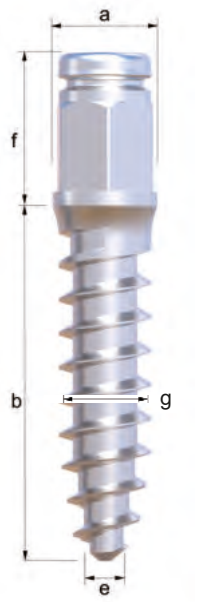
The Interim implant is also excellently suited for affixing surgical drill templates for navigated, minimally invasive implantation procedures, which are therefore extremely safe. Insertion can be performed using standard IMPLA system surgical tools.



Pictures may vary.

Technical data (in mm)

IMPLA Interim



Interim				
a	**b**	**e**	**f**	**g**
3.4	8.0	2.0	4.5	3.0

Interim		
Implant length		**∅ 3.4 mm**
7.5 mm	10 per pck.	Art. no. 635174

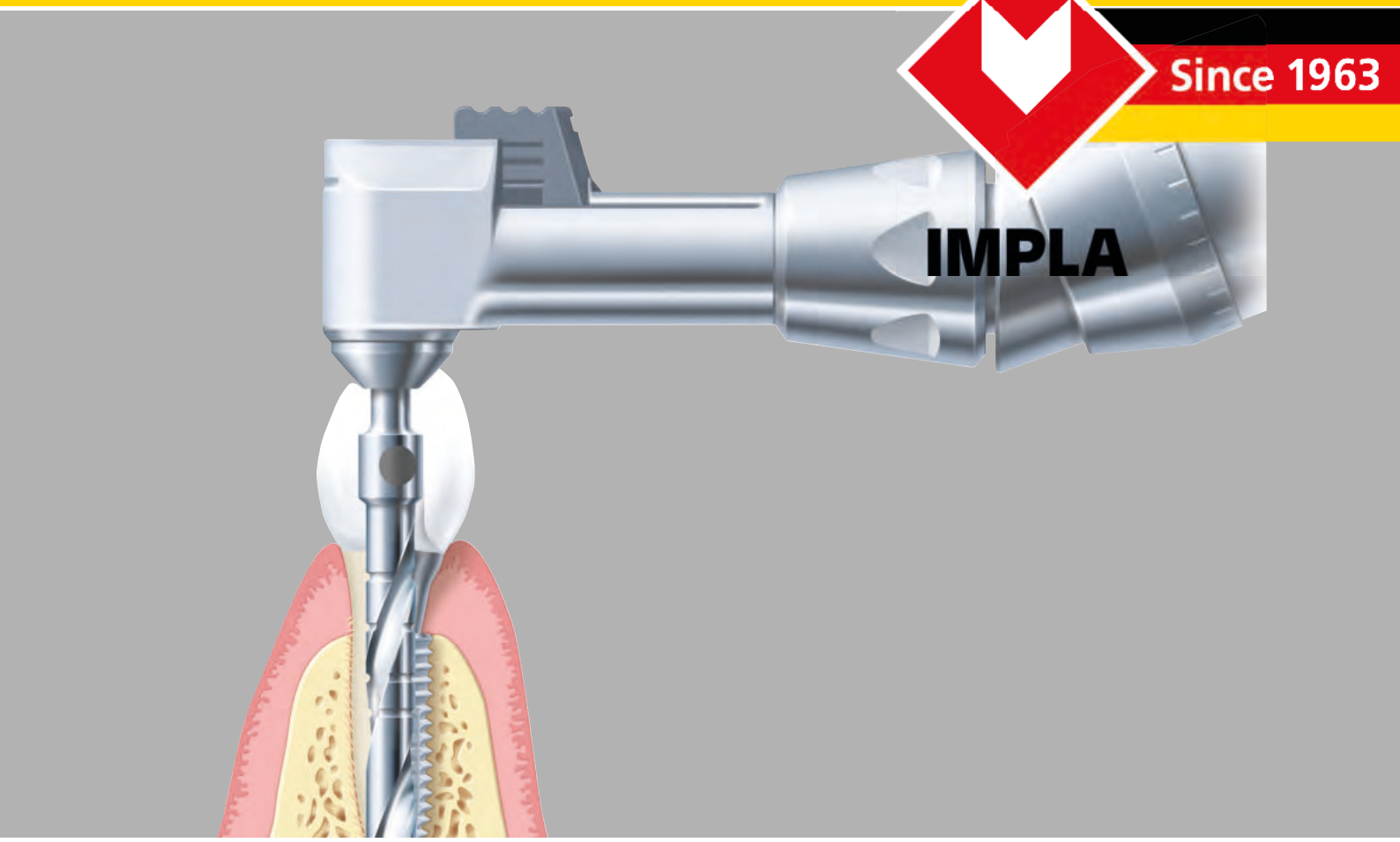
Pictures may vary.

The new IMPLA Surgical Box

Adapt your box according to your needs.

With its modular system, the new IMPLA Surgical box can be **adapted to your individual needs**. The modules are combined to provide the user with all resterilizable surgical instruments which are necessary for the insertion of **any implant from our seven implant lines**.
The drills are arranged in the order they are needed for the implantation process. What's more, they are color-coded in accordance with the implant diameters. This arrangement ensures a **safe** and **well organized procedure**.The drills stand out with their optimal cutting capacity which facilitates a **precise** and **atraumatic preparation** of the osseous implant bed. All drills, counter sink cutters and thread cutters have been designed **without internal cooling** to keep the cleaning process easy, quick and safe.

Optionally available: **Depth stops** for all pilot drills and enlargement drills. Those provide more **safety** and **control**, even in anatomically difficult situations. All trays come completely without silicone plugs – for a **maximum in hygiene**.



Surgery

IMPLA surgical accessories will enable you to insert IMPLA implants precisely and safely.

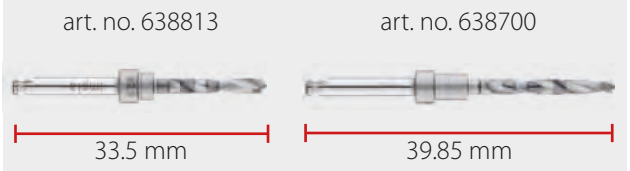
Thanks to the systematically designed IMPLA surgery box, you and your assistance will always be able to keep track of everything.

There is no longer any need for time-consuming switching from one tray to another. The surgical tools, the implants and the prosthetic components all exhibit an extremely high degree of manufacturing precision. This means an extraordinary level of safety for you and your patients. Below you will find detailed information about the IMPLA surgery box, drills, insertion tools, accessories and the IMPLA implant drill protocols. You will also find the different impression-taking components of the system in this part.

Color coding

brown	→	ø 3.3 mm / 3.6 mm
red	→	ø 4.2 mm / 4.5 mm
blue	→	ø 5.3 mm / 5.5 mm

Drills short vs. long



Since 1963
IMPLA

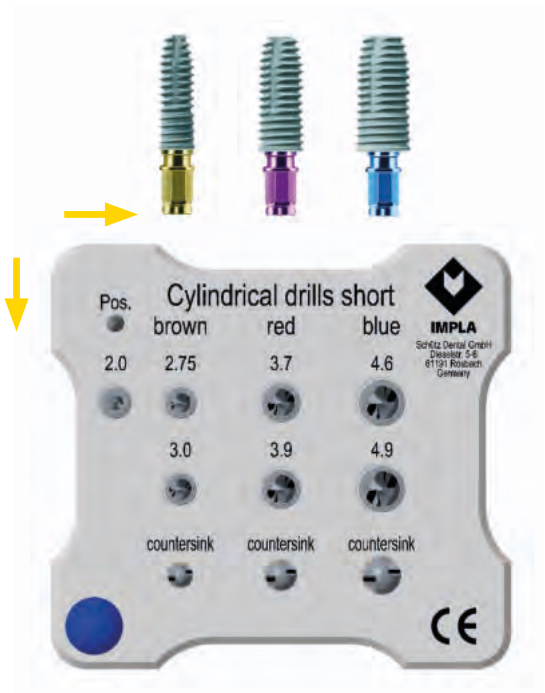
The new modular IMPLA Surgery Box

Your benefits:

- **Cost-efficient** – Only buy those instrument that you will really need.
- **Easy handling** – The clearly structured setup ensures an easy handling.
- **Intuitive** – The user is lead easily through the procedure by the standardized color code.
- **Future-proof** – Adapt your surgical kit according to your individual needs.
- **Hygienic** – No silicone plugs for a maximum in hygiene.
- **Neat**– No disorder, no danger of confusion because of the clearly visible markings.

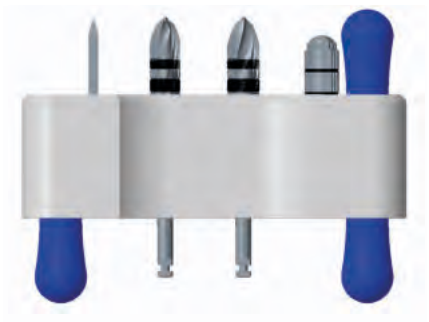
Intuitive, easy handling

The uniform color code leads the user easily and safely through the procedure: Work from top down and from left to right in the tray.



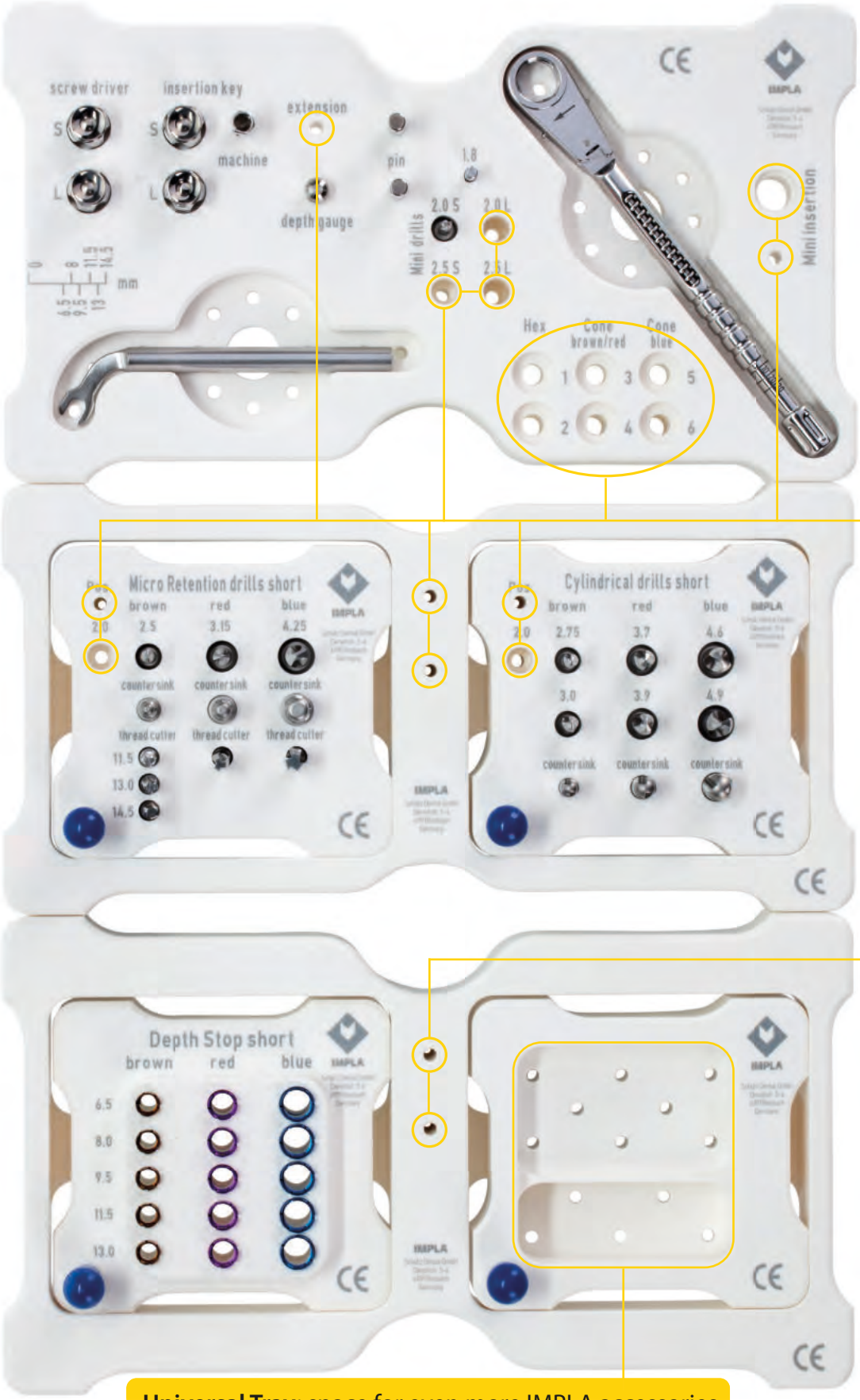
No disorder, no confusion

Detect the correct arrangement of the instruments at a glance because of the consistent height in each tray. This saves time and provides security.



Pictures may vary.

One of a wide variety of variants



Slots for optional accessories

Over the next few pages, we present all modules in their standard versions as well as the matching optional accessories.

Universal Tray: space for even more IMPLA accessories

Pictures may vary.

Implantology Tools

The base of our modular IMPLA surgery box.

Create your very own, customized IMPLA surgery box in line with your needs. This compact tray contains all the instruments needed to insert the IMPLA Cylindrical and Micro Retention implants. It is designed without any silicone plugs to enable residue-free cleaning and is optionally expandable.

Implantology Tools Module Standard art. no. 635118

	Description	Art. no.
Image displayed above	Implantology Tools Tray empty, size M	635100
	Insertion key Standard short Insertion key Standard long	637112 637104
	Screwdriver 1.2 mm short Screwdriver 1.2 mm long	637117 637118
	Insertion key Standard with contra-angle connection	638214
	Torque ratchet	637123
	Guide key	637119
	Parallelization aid	635166 (2 Stück)
	Depth gauge 6.5 mm – 14.5 mm	635167
	Pilot drill 1.8 mm	635230
	Pilot drill short 2.0 mm	638813

Pictures may vary.

Optional Instruments Implantology Tools Module Standard

(Slots available)

	Description	Art. no.
	Screwdriver 2.3 mm short Screwdriver 2.3 mm long	637100 637101
	Insertion key 2.0 mm short Insertion key 2.5 mm short Insertion key 2.0 mm long Insertion key 2.5 mm long	638691 638692 638693 638694
	Drill extension	635211
	Pilot drill 2.0 mm, long	638700
	Enlargement drill short 2.5 mm Enlargement drill long 2.5 mm	638814 638701

Optional Instruments Implantology Tools Module Standard

(no Slots available)

	Description	Art. no.
	Open-end wrench	638328
	Screwdriver long 1.2 mm mechanical Screwdriver short 1.2 mm mechanical	637105 637106
	Screwdriver Standard 2.3 mm mechanical	637102
	Insertion key short 2.0 mm mechanical Insertion key short 2.5 mm mechanical Insertion key long 2.0 mm mechanical Insertion key long 2.5 mm mechanical	638574 638575 638577 638579
	Tool ratchet for localer adapter	636077
	Insertion key short IMPLA Position Key Insertion key long IMPLA Position Key	638200 638345
	Universal Drilling Guide	638637

Pictures may vary.

Cylindrical

The answer to the daily challenges in implantology

These compact trays contain all the drills required to prepare the implant bed for the IMPLA Cylindrical implants. The trays' intuitive structure makes them easy to use. This is ensured by both uniform color coding and the arrangement of the instruments. The trays are designed without any silicone plugs to enable residue-free cleaning.

Content Cylindrical Module Short art. no. 635112

This tray contains the short versions (33.5 mm) of all drills without internal cooling.

	Description	Art. no.
Image displayed above	Tray Cylindrical empty, size S	635122
	Enlargement drill short 2.75 mm	638817
	Enlargement drill short 3.0 mm	638818
	Enlargement drill short 3.7 mm	638819
	Enlargement drill short 3.9 mm	638820
	Enlargement drill short 4.6 mm	638821
	Enlargement drill short 4.9 mm	638822
	Countersink 3.4 mm	638717
	Countersink 4.25 mm	638718
	Countersink 5.25 mm	638719

Pictures may vary.

Optional Instruments Cylindrical Module Short

(Slots available)

	Description	Art. no.
	Pilot drill 1.8 mm	635230
	Pilot drill short 2.0 mm	638813

Content Cylindrical Module Long art. no. 635113

This tray contains the short versions (39.85 mm) of all drills without internal cooling.

	Description	Art. no.
Image similar to top of p. 30	Tray Cylindrical empty, Size S	635101
	Enlargement drill 2.75 mm Enlargement drill 3.0 mm Enlargement drill 3.7 mm Enlargement drill 3.9 mm Enlargement drill 4.6 mm Enlargement drill 4.9 mm	638711 638712 638713 638714 638715 638716
	Countersink 3.4 mm Countersink 4.25 mm Countersink 5.25 mm	638717 638718 638719

Optional Instruments Cylindrical Module Long

(Slots available)

	Description	Art. no.
	Pilot drill 1.8 mm	635230
	Pilot drill 2.0 mm	638700

Micro Retention

Predestinated for application in cancellous upper jaw bone

This compact tray contains all the drills required to prepare the implant bed for the IMPLA Micro Retention implants. The tray's intuitive structure makes it easy to use. This is ensured by both uniform color coding and the arrangement of the instruments. The tray is designed without any silicone plugs to enable residue-free cleaning.

Content Micro Retention Module Short art. no. 635114

This tray contains the short versions (33.5 mm) of all drills without internal cooling.

	Description	Art. no.
Image displayed above	Tray Micro Retention empty, Size S	635123
	Enlargement drill short 2.5 mm	638814
	Enlargement drill short 3.15 mm	638815
	Enlargement drill short 4.25 mm	638816
	Thread former 3.3/11.5 mm	635135
	Thread former 3.3/13.0 mm	635138
	Thread former 3.3/14.5 mm	635136
	Thread former 4.2 mm	637128
	Thread former 5.3 mm	635134
	Countersink 3.3 mm	638708
	Countersink 4.2 mm	638709
	Countersink 5.3 mm	638710

Pictures may vary.

Optional Instruments Micro Retention Module Short *(Slots available)*

	Description	Art. no.
	Pilot drill 1.8 mm	635230
	Pilot drill short 2.0 mm	638813

Content Micro Retention Module Long art. no. 635115

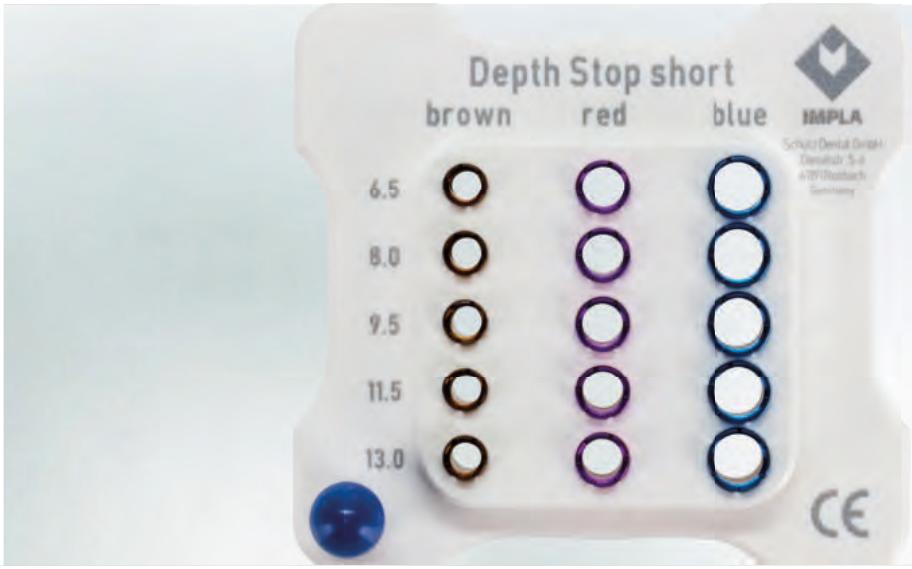
This tray contains the short versions (39.85 mm) of all drills without internal cooling.

	Description	Art. no.
Image similar to top of p. 32	Tray Micro Retention empty, Size S	635102
	Enlargement drill short 2.5 mm Enlargement drill short 3.15 mm Enlargement drill short 4.25 mm	638701 638702 638704
	Thread former 3.3/11.5 mm Thread former 3.3/13.0 mm Thread former 3.3/14.5 mm Thread former 4.2 mm Thread former 5.3 mm	635135 635138 635136 637128 635134
	Countersink 3.3 mm Countersink 4.2 mm Countersink 5.3 mm	638708 638709 638710

Optional instruments Micro Retention Module Long *(Slots available)*

	Description	Art. no.
	Pilot drill 1.8 mm	635230
	Pilot drill 2.0 mm	638700

Pictures may vary.



Depth Stop

For an even higher level of safety in implantology

Combine the depth stops with your IMPLA surgery drills (with a suitable drill collar) to obtain a mechanical depth stop when drilling into the jaw bones. The depth stops are simply placed over the drill shaft and come in three different diameters: narrow (brown), medium (red), and wide (blue). The color coding and drilling depth/implant length marking make it easy to match the depth stops to the appropriate surgical drill. The depth stops are available in the respective implant lengths.

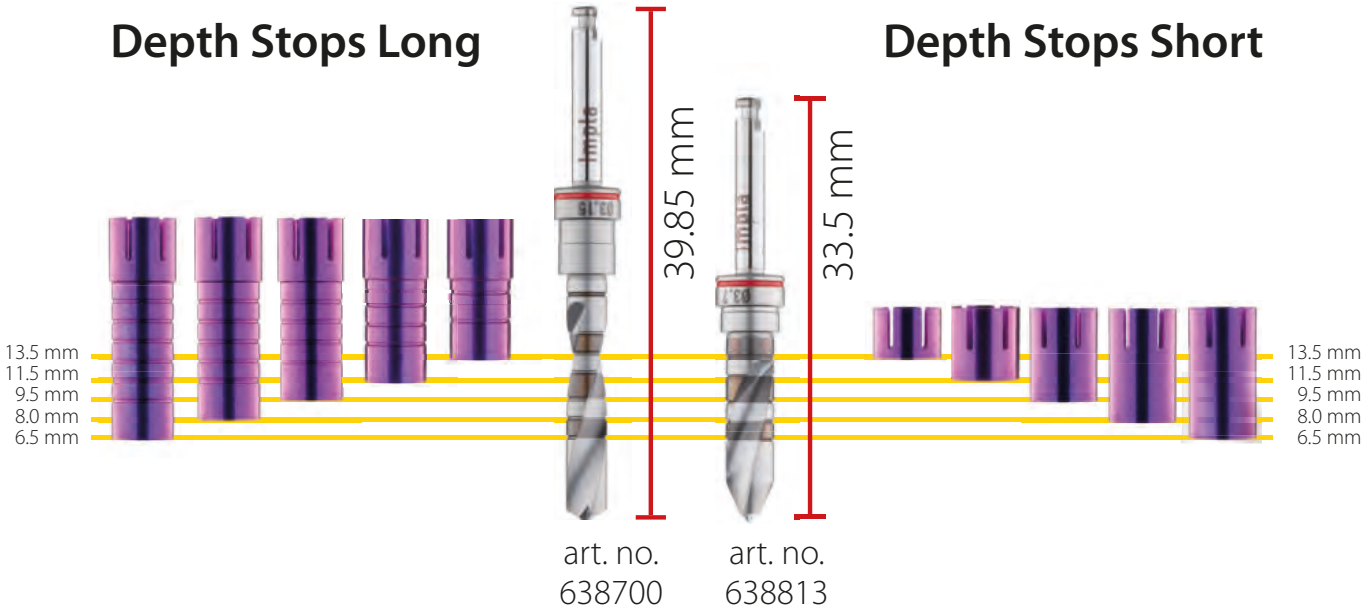
Content Depth Stop Module Short art. no. 635116

	Description	Art. no.
Image displayed above	Tray depth stop short empty, size S	635103
	Depth stop short / narrow 6.5 mm / brown	638823
	Depth stop short / narrow 8.0 mm / brown	638824
	Depth stop short / narrow 9.5 mm / brown	638825
	Depth stop short / narrow 11.5 mm / brown	638826
	Depth stop short / narrow 13.0 mm / brown	638827
	Depth stop short / medium 6.5 mm / red	638829
	Depth stop short / medium 8.0 mm / red	638830
	Depth stop short / medium 9.5 mm / red	638831
	Depth stop short / medium 11.5 mm / red	638832
	Depth stop short / medium 13.0 mm / red	638833
	Depth stop short / wide 6.5 mm / blue	638835
	Depth stop short / wide 8.0 mm / blue	638836
	Depth stop short / wide 9.5 mm / blue	638837
	Depth stop short / wide 11.5 mm / blue	638838
	Depth stop short / wide 13.0 mm / blue	638839

Pictures may vary.

Content Depth Stop Module Long art. no. 635117

	Description	Art. no.
Image similar to top of p. 34	Tray depth stop long empty, size S	635104
	Depth stop long / narrow 6.5 mm / brown	638672
	Depth stop long / narrow 8.0 mm / brown	638673
	Depth stop long / narrow 9.5 mm / brown	638674
	Depth stop long / narrow 11.5 mm / brown	638675
	Depth stop long / narrow 13.0 mm / brown	638676
	Depth stop long / medium 6.5 mm / red	638678
	Depth stop long / medium 8.0 mm / red	638679
	Depth stop long / medium 9.5 mm / red	638680
	Depth stop long / medium 11.5 mm / red	638681
	Depth stop long / medium 13.0 mm / red	638682
	Depth stop long / wide 6.5 mm / blue	638684
	Depth stop long / wide 8.0 mm / blue	638685
	Depth stop long / wide 9.5 mm / blue	638686
	Depth stop long / wide 11.5 mm / blue	638687
	Depth stop long / wide 13.0 mm / blue	638688



Pictures may vary.

Implantology Tools IMPLA Mini

This compact tray contains all the necessary drills and instruments for preparing an implant bed and inserting the IMPLA Mini balltop and conetop implants. As the tray is designed without silicone plugs, it offers maximum hygiene. It is also optionally expandable.

Implantology Tools Module Mini art. no. 635127

	Description	Art. no.
Image displayed above	Tray Implantology Tools	635100
	Insertion key für Mini balltop	637108
	Insertion key für Mini balltop mechanical	637107
	Insertion key short für Mini conetop Insertion key long für Mini conetop	637112 637104
	Insertion key für Mini conetop mechanical	638214
	Torque ratchet	637123
	Pilot drill 1.8 mm	635230
	Pilot drill short 2.0 mm	638813
	Enlargement drill short 2.5 mm	638814

Optional Instruments Implantology Tool Module Mini *(Slots available)*

	Description	Art. no.
	Pilot drill long 2.0 mm	638700
	Enlargement drill long 2.5 mm	638701

Pictures may vary.

Accessories for Trays

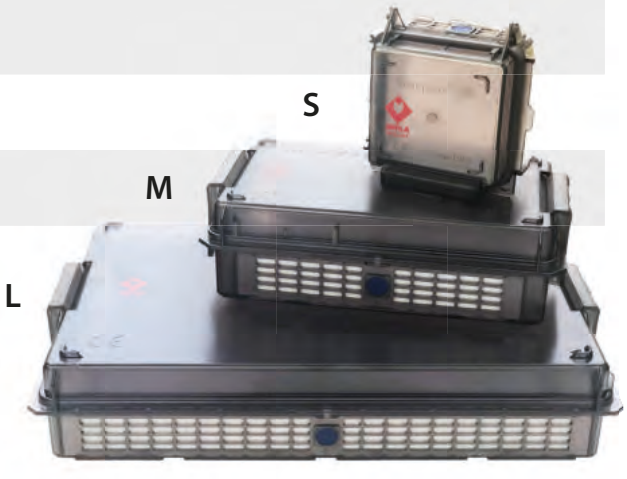
Use the Tray Universal Size S as a handy tool for storing optional surgical instruments for which no slots are provided in the standard modules – practically, clearly, and all in one place.
When setting up an L Box, please use two universal frames and a narrow frame.

	Description	Art. no.
	Tray Universal empty, size S	635106
	Frame universal, size M for 2 modules	635105
	Frame slim, size M for 2 modules	635119

Sterisafe® DURO Sterilization Container

The sterilization boxes are available in three sizes. They are suitable for almost all steam sterilization procedures involving a vacuum at temperatures of 121 °C and 134 °C as well as for low-temperature sterilization with gas (FORM and EO) and H_2O_2/H_2O_2 plasma.

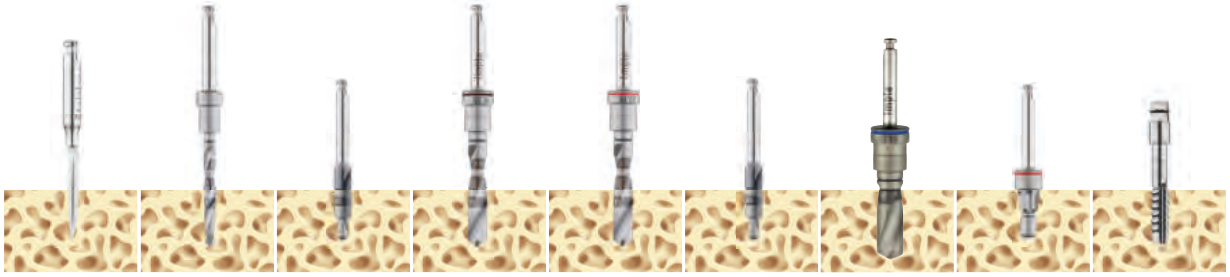
Description	Art. no.
Steribox S empty, A8	635107
Steribox M empty, A6	635108
Steribox L empty, A4	635109
Long-term filter for Steribox S, 10 pcs.	635124
Long-term filter for Steribox M, 10 pcs.	635125
Long-term filter for Steribox L, 10 pcs.	635126



Pictures may vary.

Drill protocols

IMPLA Micro Retention

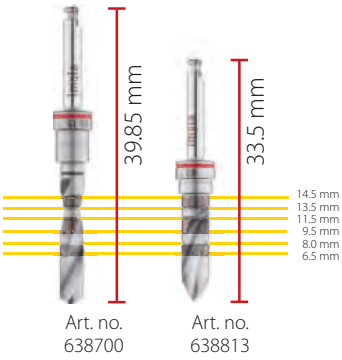


	Pilot drill 1.8 mm	Pilot drill 2.0 mm	Cortical drill 3.15 mm	Enlarge-ment drill 2.5 mm	Enlarge-ment drill 3.15 mm	Cortical drill 4.25 mm	Enlarge-ment drill 4.25 mm	Countersink 3.3 mm – 5.3 mm	Thread former 11.5 mm – 17.5 mm
3.3 mm									
	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.
	635230	638700 long 638813 short		638701 long 638814 short				638708 (3.3 mm)	635135[1] 635136[1] 635138[1]
D1	X	X		X				X	X
D2	X	X		X				X	(X)
D3	X	X		X				(X)	
D4	X*	X*		X*					
4.2 mm									
	635230	638700 long 638813 short	638706		638702 long 638815 short			638709 (4.2 mm)	637128
D1	X	X	X		X			X	X
D2	X	X	(X)		X			X	(X)
D3	X	X			X			(X)	
D4	X*	X*			X*				
5.3 mm									
	635230	638700 long 638813 short	638706		638702 long 638815 short	638707	638704 long 638816 short	638710 (5.3 mm)	635134
D1	X	X	X		X	X	X	X	X
D2	X	X	(X)		X	(X)	X	X	(X)
D3	X	X			X		X	(X)	
D4	X*	X*			X*		X*		

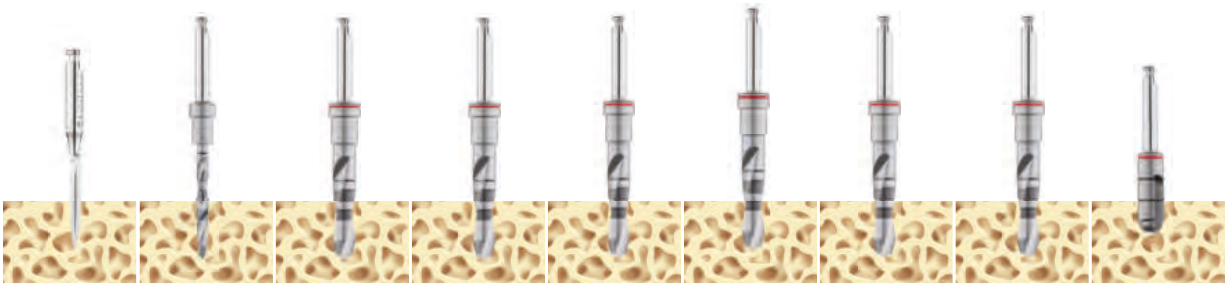
(X) = optional X = similar to the indication "sinus floor elevation" * = Consider the indication*
When using the thread cutter and cortical drill, please adjust to the individual bone quality and implant geometry. Non-binding recommendation - the user decides according to the individual circumstances. Responsibility lies with the user. Please observe the instruction manual for the system.

[1] 635135 = 11.5 mm 635138 = 13.0 mm 635136 = 14.5 mm
Pictures may vary.

Drill protocols



IMPLA Cylindrical



Pilot drill 1.8 mm	Pilot drill 2.0 mm	Enlarge-ment drill 2.75 mm	Enlarge-ment drill 3.0 mm	Enlarge-ment drill 3.7 mm	Enlarge-ment drill 3.9 mm	Enlarge-ment drill 4.6 mm	Enlarge-ment drill 4.9 mm	Countersink 3.4 mm – 5.25 mm

3.6 mm

	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.	Art. no.
	635230	638700 long 638813 short	638711 long 638817 short	638712 long 638818 short					638717 (3.4 mm)
D1	X	X	X	X					(X)
D2	X	X	X	X					(X)
D3	X	X	X						
D4	X*	X*							

4.5 mm

	635230	638700 long 638813 short	638712 long 638818 short	638713 long 638819 short	638714 long 638820 short			638718 (4.25 mm)
D1	X	X	X	X	X			(X)
D2	X	X	X	X	X			(X)
D3	X	X	X	X				
D4	X*	X*	X*					

5.5 mm

	635230	638700 long 638813 short	638712 long 638818 short	638714 long 638820 short	638715 long 638821 short	638716 long 638822 short	638719 (5.25 mm)
D1	X	X	X	X	X	X	(X)
D2	X	X	X	X	X	X	(X)
D3	X	X	X	X	X		
D4	X*	X*	X*	X*			

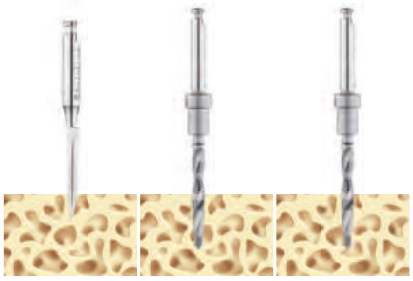
(X) = 1-2 marked *(X) = 3 marked* *X* = similar to the indication "sinus floor elevation"* ** = Consider the indication*

Non-binding recommendation - the user decides according to the individual circumstances. Responsibility lies with the user. Please observe the instruction manual for the system.

Pictures may vary.

Drill protocols

IMPLA Mini



Pilot drill 1.8 mm | Pilot drill 2.0 mm | Enlarge-ment drill 2.5 mm

2.1 mm

	Art. no. 635230	Art. no. 638700 long 638813 short	Art. no. 638701 long 638814 short
D1	(X)		
D2	(X*)		
D3	X		
D4			

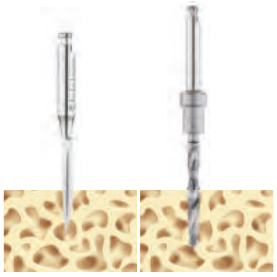
2.5 mm

	635230	638700 long 638813 short	638701 long 638814 short
D1	X	X	
D2	X	(X)	
D3	X*	(X*)	
D4	X*	X	

3.0 mm

	635230	638700 long 638813 short	638701 long 638814 short
D1	X	X	(X)
D2	X	X	
D3	X	X	
D4	X	X	

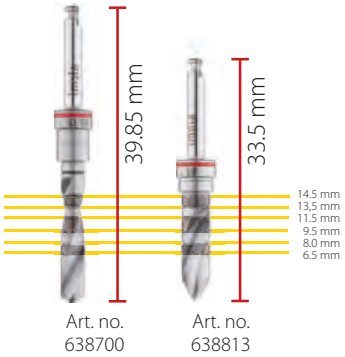
IMPLA Interim



Pilot drill 1.8 mm | Pilot drill 2.0 mm

3.4 mm

	Art. no. 635230	Art. no. 638700 long 638813 short
D1	X	(X)
D2	X	(X)
D3	X*	(X)
D4	X*	



(X) = 50 % Implant length * = Consider the indication

Non-binding recommendation - the user decides according to the individual circumstances. Responsibility lies with the user. Please observe the instruction manual for the system.

Pictures may vary.

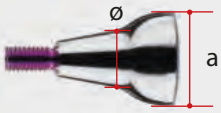
Gingiva Former

The IMPLA gingiva formers help mold the peri-implant soft tissue during the healing phase.

The gingiva formers come in cylindrical and conical versions with various gingiva heights.

Color code		
brown	→	ø 3.3 mm / 3.6 mm
red	→	ø 4.2 mm / 4.5 mm
blue	→	ø 5.3 mm / 5.5 mm

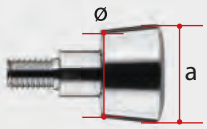
Cone Connection



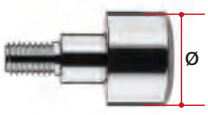
Description	ø 3.3 mm / a (mm)	ø 4.2 mm / a (mm)	ø 5.3 mm / a (mm)
conical GH 2 mm	638509 / 4,4	638513 / 5,4	638517 / 6,4
conical GH 3 mm	638510 / 4,4	638514 / 5,4	638518 / 6,4
conical GH 4 mm	638511 / 4,4	638515 / 5,4	638519 / 6,4
conical GH 5 mm	638512 / 4,4	638516 / 5,4	638520 / 6,4

cylindrical GH 3 mm	638521	638524	
cylindrical GH 4 mm	638522	638525	
cylindrical GH 5 mm	638523	638526	

Hex Connection

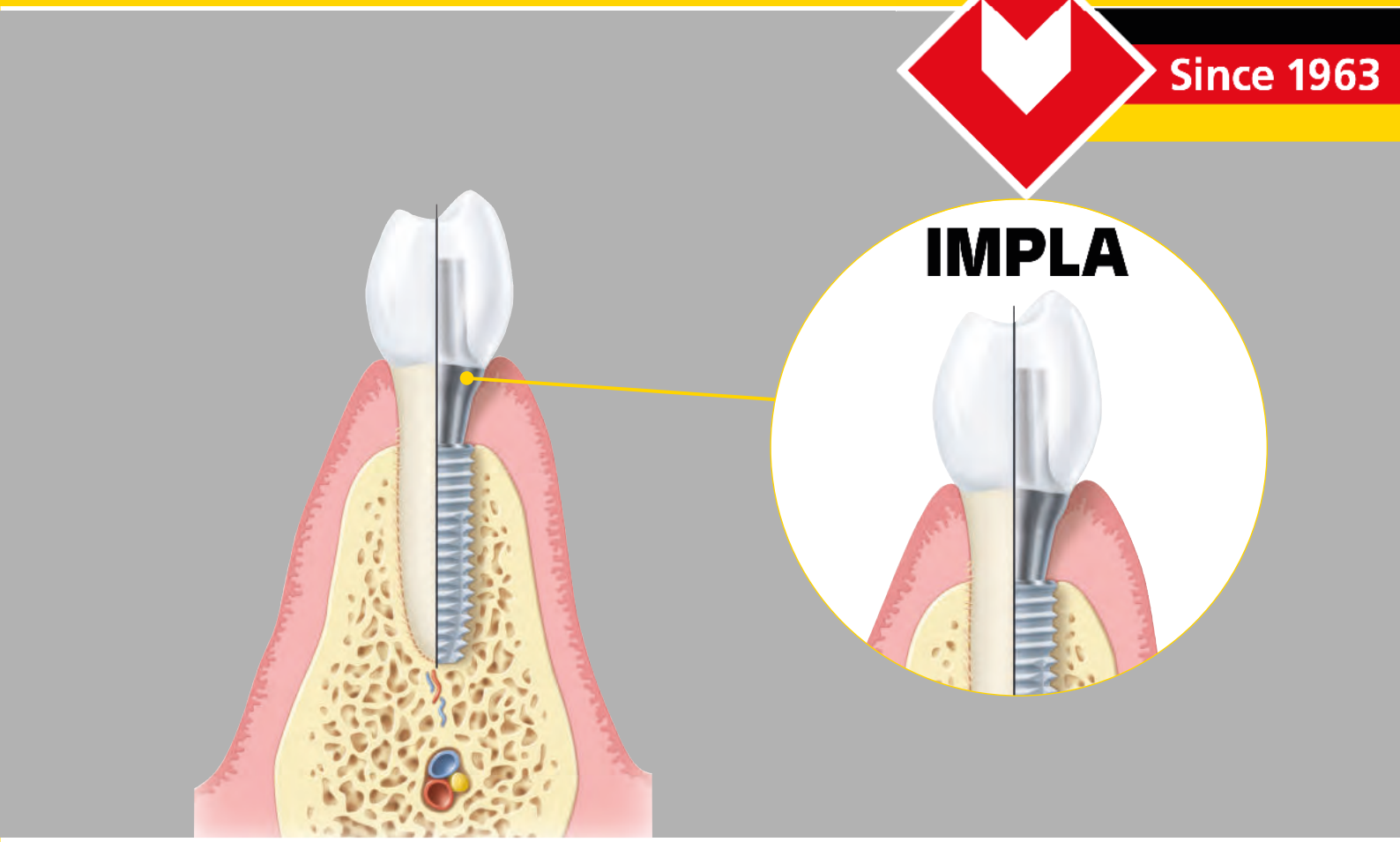


Description	ø 3.3 mm / a (mm)	ø 4.2 mm / a (mm)	ø 5.3 mm / a (mm)
conical GH 2 mm	635026 / 3.7	635076 / 4.6	635006 / 5,7
conical GH 3 mm	635063 / 3.9	635077 / 4,8	635053 / 5,9
conical GH 4 mm	635019 / 4,1	635078 / 5,0	635007 / 6,1
conical GH 5 mm	635064 / 4,3	635079 / 5,2	635054 / 6,4



cylindrical GH 2 mm	635023	635074	635013
cylindrical GH 3 mm	635024	635067	635009
cylindrical GH 4 mm	635025	635075	635005

Pictures may vary.



Prosthetics

The IMPLA prosthetic parts make it possible for you to handle practically any prosthetic indication.

From titanium designs to the necessary components for producing tailor-made designs by means of CAD/CAM technology.

IMPLA prosthetic system offers you all this and more. Here you can also find two different types of connection in the IMPLA system – cone connection and hex connection. These are also reflected in the designs. You will find information about the prosthetic series on the following pages, subdivided according to the type of connection.

Color code	
brown	ø 3.3 mm / 3.6 mm
red	ø 4.2 mm / 4.5 mm
blue	ø 5.3 mm / 5.5 mm

Prosthetic guideline Cone Connection

Impression

- open
- closed
- digital
- Multi Unit
- Aesthura® digital

Gingiva Former

- conical
- cylindrical
- Multi Unit

	Individual Tooth Restorations	Bridge Restorations	Total Restorations (conditionally removable)	Total Restorations (removable)
Titanium abutments conus connector	✓	✓	✗	✓
CAD/CAM Adhesive base Titanium	✓	✓	✗	✗
CAD/CAM Titanium base CEREC®	✓	✓	✗	✗
CAD/CAM Blank PreFace®	✓	✓	✗	✓
Conus adapter	✗	✓	✓	✓
Multi Unit Abutment	✗	✓	✓	✓
HSL Abutment	✓	✓	✗	✓
Acrylic abutment	✓	✓	✗	✓
Locator® Abutment	✗	✗	✗	✓
Ball-head connector	✗	✗	✗	✓

Pictures may vary.

Impression Components Cone Connection

Open Impression Technique

The IMPLA impression posts are color-coded in line with the implant diameter and equipped with a short or long fixing screw. The elongated section of the implant axis of the customized impression tray to be created must be perforated so that the fixing screw protrudes from the impression post. To secure the impression post in place, the fixing screw should be carefully hand-tightened both in the implant and on the laboratory implant using the 1.2 mm screwdriver.

	Description	Size / Art. no.
	Impression post incl. fixation screw short (20 mm)	ø 3.3 mm / 638858 ø 4.2 mm / 638859 ø 5.3 mm / 638860
	Impression post incl. fixation screw long (27 mm)	ø 3.3 mm / 638861 ø 4.2 mm / 638862 ø 5.3 mm / 638863

Closed Impression Technique

The IMPLA impression posts are color-coded in line with the implant diameter and equipped with a transfer cover and vertical screw. A preassembled impression tray can be used for the closed tray impression technique. To secure the impression post in place, the vertical screw should be carefully hand-tightened both in the implant and on the laboratory implant using the 1.2 mm screwdriver. The transfer cover (repositioning aid) is pushed onto the impression posts until a noticeable pressure point is overcome and the transfer cover is clearly secure.

	Description	Size / Art. no.
	Impression posts incl. transfer cover and vertical screw blue 1.5 mm	ø 3.3 mm / 638870 ø 4.2 mm / 638871 ø 5.3 mm / 636658

Lab Implant

	Description	Size / Art. no.
	Lab implant	ø 3.3 mm / 638506 ø 4.2 mm / 638507 ø 5.3 mm / 638508
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658

Accessories

	Description	Size / Art. no.
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

Pictures may vary.

CAD/CAM Cone Connection

CAD/CAM Adhesive Base Titanium

The rotationally secure IMPLA CAD/CAM adhesive bases act as the optimum connection between the implant and the custom created single-tooth crowns and mesostructures, made from suitable materials. The base is optically captured using suitable dental scanners. To this end, the IMPLA scan abutment is placed on the base and secured with the blue vertical screw. The digitally recorded geometry is used to model and manufacture single-tooth crowns and mesostructures using CAD/CAM techniques.

	Description	Size / Art. no.
	Adhesive base, titanium	ø 3.3 mm / 638600 ø 4.2 mm / 638601 ø 5.3 mm / 638602

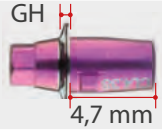
CAD/CAM Abutments

The IMPLA PreFace® abutments made from titanium enable you to create one-piece, customized abutments.
The abutments are original IMPLA products characterized by the highest precision and accuracy.
A MEDENTIKA PreFace® abutment holder is required.

	Description	Size / Art. no.
	PreFace® abutment titanium D 11.5 mm	ø 3.3 mm / 638804 ø 4.2 mm / 638805 ø 5.3 mm / 638806
	PreFace® abutment titanium D 16.0 mm	ø 3.3 mm / 638810 ø 4.2 mm / 638811 ø 5.3 mm / 638812

CAD/CAM Adhesive Base for CEREC®

The IMPLA CAD/CAM CEREC® adhesive base enables you to use CAD/CAM to design and manufacture customized implant abutments and single-tooth restorations for IMPLA implants. It is based on the Sirona CEREC® system. Every IMPLA CEREC® adhesive base has a laser inscription that specifies which ceramic block connection (S, L) and data path you should choose.
Please order the Sirona scan bodies and ceramic blocks from your specialist retailer as usual.

	Description	Size / Art. no.
	Adhesive base, titanium	ø 3.3 mm / GH 0.5 mm / 638640 ø 4.2 mm / GH 0.5 mm / 638641 ø 5.3 mm / GH 0.5 mm / 638642

CAD/CAM Cone Connection

Accessories

The vertical screw POM is an adhesive aid that makes it safe and easy to bond the abutment to the custom-designed structure. It prevents adhesive from getting into the screw channel when bonding the individual abutment.

By using the bonder Sebond Implant and the self-hardening composite cement Alphalink Implant, you can optimally bond the IMPLA adhesive base to the customized structure.

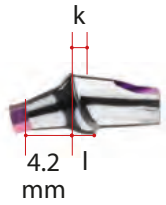
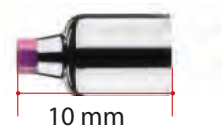
	Description	Size / Art. no.
	Scan abutment	ø 3.3 mm / 638603 ø 4.2 mm / 638604 ø 5.3 mm / 638605
	Vertical screw 1.5 mm	ø 3.3 mm / 636649 ø 4.2 mm / 636649 ø 5.3 mm / 636649
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658
	Vertical screw POM	638365
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117
	Alphalink Implant for bonding titanium abutments to individualized zirconium dioxide abutments and supra-constructions	640076
	Sebond Implant For bonding titanium abutments to individualized zirconium dioxide abutments or supra-constructions	640075

Pictures may vary.

Cone Connection

Titanium Abutments

The titanium IMPLA Conus connectors are ideal for cementable single-tooth and bridge restorations subject to high aesthetic demands. The IMPLA Conus connectors are available with angles of 0°, 15°, and 20°. Thanks to the anatomically adjusted shoulder geometry and the different gingiva heights, fewer individual modifications are required in the shoulder area, thereby reducing the processing time. Individually milled IMPLA Conus connectors are also available to you for highly customized modifications.

	Description	Size / Art. no.
	Conus connector 0°	ø 3.3 mm / GH 1 mm / k 1 mm / l 1.8 mm / 638540 ø 4.2 mm / GH 1 mm / k 1 mm / l 1.8 mm / 638541 ø 5.3 mm / GH 1 mm / k 1 mm / l 1.8 mm / 638542 ø 3.3 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638543 ø 4.2 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638544 ø 5.3 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638545 ø 4.2 mm / GH 5 mm / k 5 mm / l 5,8 mm / 638546 ø 5.3 mm / GH 5 mm / k 5 mm / l 5,8 mm / 638547
	Conus connector 15°	ø 3.3 mm / GH 1 mm / k 1 mm / l 1.8 mm / 638548 ø 4.2 mm / GH 1 mm / k 1 mm / l 1.8 mm / 638549 ø 5.3 mm / GH 1 mm / k 1 mm / l 1.8 mm / 638550 ø 3.3 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638551 ø 4.2 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638552 ø 5.3 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638553 ø 4.2 mm / GH 5 mm / k 5 mm / l 5,8 mm / 638554 ø 5.3 mm / GH 5 mm / k 5 mm / l 5,8 mm / 638555
	Conus connector 20°	ø 4.2 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638556 ø 5.3 mm / GH 3 mm / k 3 mm / l 3.8 mm / 638557
	Conus connector 0° individually millable	ø 3.3 mm / 638609 ø 4.2 mm / 638610 ø 5.3 mm / 638611

Accessories

	Description	Size / Art. no.
	Vertical screw 1.5 mm	ø 3.3 mm / 636649 ø 4.2 mm / 636649 ø 5.3 mm / 636649
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

Pictures may vary.

Cone Connection

Aesthura® Abutments

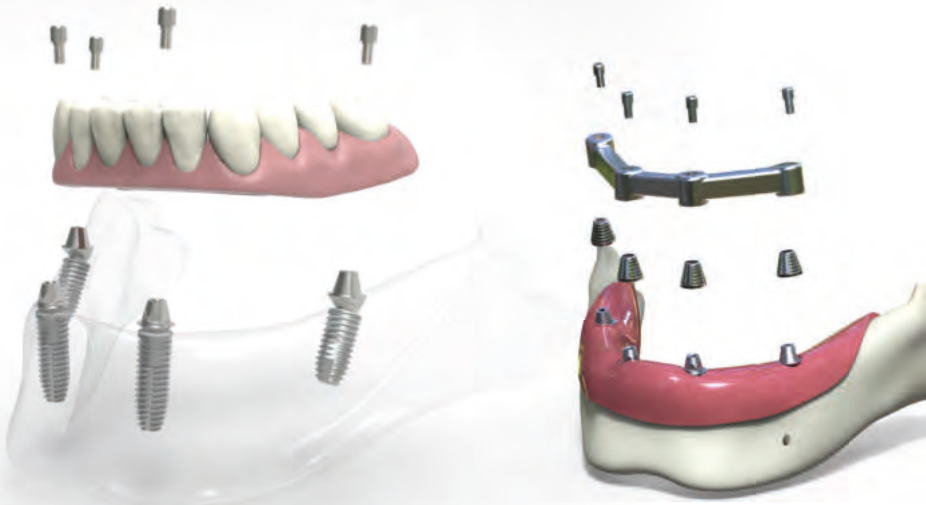
Coming Soon!

Aestura® abutments feature special design characteristics. They have a very low height, are physiologically optimized from a load perspective, and offer almost perfect anti-rotation properties. Placed on the implant as a shuttle, they enable a very simple provisional restoration without using cement. The screwed-on scan abutment furthermore enables optimum integration into the digital work process.

	Description	Size / Art. no.
	Aesthura® Abutment	ø 3.3 mm / GH 1.2 mm / 638653 ø 4.2 mm / GH 1.2 mm / 638654 ø 5.3 mm / GH 1.2 mm / 638655
	Aesthura ® Abutment	ø 3.3 mm / GH 2.5 mm / 638656 ø 4.2 mm / GH 2.5 mm / 638657 ø 5.3 mm / GH 2.5 mm / 638658
	Aesthura® Adhesive base	ø 3.3 mm / GH 0.3 mm / 638659 ø 4.2 mm / GH 0.3 mm / 638660 ø 5.3 mm / GH0.3 mm / 638661
	Aesthura® Holding screw	ø 3.3 mm / Abutment / GH 1.2 mm / 638667 ø 3.3 mm / Abutment / GH 2.5 mm / 638668 ø 3.3 mm / Adhesive base / GH 0.3 mm / 638667
	Aesthura® Holding screw	ø 4.2 mm / Abutment / GH 1.2 mm / 638667 ø 4.2 mm / Abutment / GH 2.5 mm / 638668 ø 4.2 mm / Adhesive base / GH 0.3 mm / 638667
	Aesthura® Holding screw	ø 5.3 mm / Abutment / GH 1.2 mm / 638668 ø 5.3 mm / Abutment / GH 2.5 mm / 638669 ø 5.3 mm / Adhesive base / GH 0.3 mm / 638668
	Aesthura® Vertical screw	For fixing the abutment on the implant. 638665
	Aesthura® Scan abutment	ø 3.3 mm / 638662 ø 4.2 mm / 638663 ø 5.3 mm / 638664
	Aesthura® Screwdriver short	638670
	Aesthura® Screwdriver long	638671

Pictures may vary.

IMPLA Multi Unit System



Cone Connection

Multi Unit Abutments

Coming Soon!

The IMPLA Multi Unit system has been specially developed for occlusally screw-retained permanent and removable bars, bridges, and total restorations.

IMPLA Multi Unit abutments are available in three different angles (0°, 20°, and 30°). The abutments are screwed together directly with the respective implant. This creates a fixed transgingival platform that can be used for all further prosthetic and laboratory measures. The 0° abutments already have a screw thread and are screwed into the implant with the long or short insertion key. To attach the 20° and 30° abutments to the implant, the vertical screw Multi Unit is used. This is screwed in using the long or short 1.2 mm screwdriver. All laboratory components are secondarily secured to the abutment base with the prosthetics screw using the long or short 1.2 mm screwdriver.

For the range of recommended implants, please see the IMPLA instructions for use.

	Description	Size / Art. no.
	Multi Unit Abutment 0°	ø 3.3 mm / GH 1 mm / 638615 ø 4.2 mm / GH 1 mm / 638621 ø 5.3 mm / GH 1 mm / 638643 ø 3.3 mm / GH 3 mm / 638616 ø 4.2 mm / GH 3 mm / 638622 ø 5.3 mm / GH 3 mm / 638644
	Multi Unit Abutment 20°	ø 3.3 mm / GH 1.5 mm / 638617 ø 4.2 mm / GH 1.5 mm / 638623 ø 5.3 mm / GH 1 mm / 638645 ø 3.3 mm / GH 3 mm / 638618 ø 4.2 mm / GH 3 mm / 638624 ø 5.3 mm / GH 3 mm / 638646
	Multi Unit Abutment 30°	ø 3.3 mm / GH 1 mm / 638619 ø 4.2 mm / GH 1 mm / 638625 ø 3.3 mm / GH 3 mm / 638620 ø 4.2 mm / GH 3 mm / 638626

Pictures may vary.

Accessories Multi Unit Abutments

	Description	Art. no.
	Lab implantat Multi Unit	638627
	Impression post Multi Unit, open impression	638628
	Fixation screw for Impression post, open impression	638629
	Plastic sleeve POM Multi Unit	638630
	Metal sleeve Multi Unit	638631
	Gingiva sleeve PEEK Multi Unit	638632
	Scan abutment Multi Unit	638633
	Vertical screw Multi Unit	638634
	Prosthetic screw secondary Multi Unit	638636
	Screwdriver 1.2 mm short Screwdriver 1.2 mm long	637117 637118
	Insertion key standard short Insertion key standard long	637112 637104

Universal Drilling Guide

The system enables you to place the implants at the ideal angle for the subsequent prosthetic restoration. The Universal Drilling Guide is a drilling aid that helps you drill holes for distal implants: Drill the mesial pilot hole without angulation, then, based on this, use the drilling guide to position all other implants at 0°, 20°, or 30°. The Universal Drilling Guide is ideal for using with the Multi Unit system.

	Description	Art. no.
	Universal Drilling Guide	638637

Pictures may vary.

Cone Connection

Locator®-Abutments

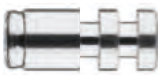
The Locator® abutments are designed for use with implant-retained and mucous-membrane-supported prosthetics for partial and total prostheses in the upper and lower jaw worn resiliently. The Locator® abutments are primarily characterized by a low vertical height, their unique dual anchor system, and the ability to be used at severe angles with implant divergences of up to 20° per implant. The self-aligning design enables intuitive positioning when inserting and fixing the prosthesis. Various retention inserts with different pull-off forces are available.

	Description	Size / Art. no.
	Locator® Abutment GH 1 mm	ø 3.3 mm / 638580 ø 4.2 mm / 638580 ø 5.3 mm / 638582
	Locator® Abutment GH 2 mm	ø 3.3 mm / 638583 ø 4.2 mm / 638583 ø 5.3 mm / 638586
	Locator® Abutment GH 3 mm	ø 3.3 mm / 638584 ø 4.2 mm / 638584 ø 5.3 mm / 638587
	Locator® Abutment GH 4 mm	ø 3.3 mm / 638581 ø 4.2 mm / 638581 ø 5.3 mm / 638589
	Locator® Abutment GH 5 mm	ø 3.3 mm / 638585 ø 4.2 mm / 638585 ø 5.3 mm / 638588

Pictures may vary.
Locator® is a registered trademark of Zest Anchors Inc.

Cone Connection

Accessories Locator®-Abutments

	Description	Art. no.
	Locator® impression post	636067
	Locator® Lab implant	636068
	Locator® five-part matrix set (retention housing with processing insert black, blocking ring, Locator insertion part clear, pink, blue)	636070
	Locator® insertion part, range 0°-10° • 4 pcs./clear, pull-off force 2,260 g • 4 pcs./pink, pull-off force 1,360 g • 4 pcs./blue, pull-off force 680 g Locator® insertion part, range 10°-20° • 4 pcs./green, pull-off force 1,360-1,800 g • 4 pcs./red, light retention, pull-off force 220-680 g	 636071 636072 636076 636073 636074
	Locator® processing insert black, 4 pc.-package	636059
	Locator®-Adapter, mechanical	636075
	Ratchet with tool connection for Locator® adapter (art. no. 636075)	636077
	Locator® tool, three-part	636066

Pictures may vary.

Cone Connection

Ball-head connector

In the area of implantological hybrid prosthetics, the tried-and-tested ball head technique is a form of implant-retained, mucous-membrane-supported restoration. The ball head connectors should generally be positioned perpendicularly to the occlusal plane. They are available in two different gingiva heights and the matrices can be freely selected with various pull-off forces. The system can be used to rework or recreate an existing cover prosthesis.

	Description	Size	Art. no.
 2.25 mm	Ball-head connector	ø 3.3 mm / GH 2 mm ø 4.2 mm / GH 2 mm ø 5.3 mm / GH 2 mm ø 3.3 mm / GH 4 mm ø 4.2 mm / GH 4 mm ø 5.3 mm / GH 4 mm	638590 638592 638594 638591 638593 638595

Accessories

	Description	Size / Art. no.
	Mounting matrix blue Inner matrix gold, can be activated, pull-off force 800 g Inner matrix red/heavy, pull-off force 1,200 g Inner matrix green/standard, pull-off force 800 g Inner matrix yellow/light, pull-off force 600 g	636001 636002 636003 636004 636005
	Retention cap, small for framework stabilization	636007
	Retention cap, large for resin curing	636009
	Model axis	636018
	Place holder, plastic red	636014
	Parallelization aid	636015
	Screwdriver 4 Ncm	636006
	Activator / deactivator	636019
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117
	Insertion key	long / 637104 short / 637112

Pictures may vary.

Cone Connection

Conus adapter

The IMPLA Conus adapters have been specially developed for occlusally screw-retained bridge and bar designs and can also be used for the SAE spark erosion technique. The purpose of these abutments is to balance out implant divergences so as to enable tension-free bridge restorations. The customizable and heat-formable modeling tools can be used to create the design. The finished bridge structure is secured in the patient's mouth using the appropriate bar screw.

	Description	Size / Art. no.
	Conus adapter	ø 4.2 mm / 638613

Accessories

	Description	Size / Art. no.
	Carving aid (SAE) transparent	636232
	Bridge screw for carving aid (SAE)	636667
	Modelling aid for bar construction, opal	636231
	Bridge screw for carving aid	636233
	Screwdriver	ø 2.3 mm – long / 637101 ø 2.3 mm – short / 637100
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

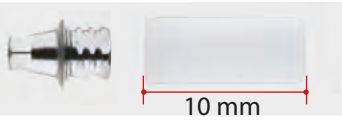
Pictures may vary.

Cone Connection

HSL-Abutments

The IMPLA HSL abutment comprises a prefabricated, castable, rotationally secure base part made of refractory gold alloy capable of being cast on (melting range 1,350 °C to 1,460 °C) and a funnel made of castable plastic (POM). The funnel acts as a modeling aid that can be occlusally shortened as required and provides a clean finish to the screw channel.

This abutment enables you to manufacture customized single-tooth crowns and mesostructures for cementable bridge restorations and primary pillars in order to bridge implant axis divergences when using the double crown technique. Furthermore, by using the horizontal rosette HSL, it is possible to manufacture a horizontally screwed customized prosthetic. The cast-on procedure can only be used with alloys with a high gold content.

	Description	Size / Art. no.
	Abutment connector HSL	ø 3.3 mm / 638560 ø 4.2 mm / 638561 ø 5.3 mm / 638562

Castable abutments

The IMPLA plastic abutment is made entirely of a castable plastic (POM). The upper area acts as a modeling aid that can be occlusally shortened as required and provides a clean finish to the screw channel.

This abutment enables you to manufacture customized single-tooth crowns and mesostructures for cementable bridge restorations and primary pillars in order to bridge implant axis divergences when using the double crown technique. Casting can occur using gold or CoCr alloys or the titanium casting process.

	Description	Size / Art. no.
	Acrylic abutment 0°	ø 3.3 mm / 638606 ø 4.2 mm / 638607 ø 5.3 mm / 638608

Pictures may vary.

Cone Connection

Accessories

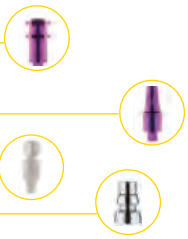
	Description	Size / Art. no.
	Vertical screw 1.5 mm	ø 3.3 mm / 636649 ø 4.2 mm / 636649 ø 5.3 mm / 636649
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658
	Horizontal rosette HSL	ø 3.3 mm / 636664 ø 4.2 mm / 636664 ø 5.3 mm / 636664
	Horizontal rosette Titanium	ø 3.3 mm / 636662 ø 4.2 mm / 636662 ø 5.3 mm / 636662
	Horizontal screw, adjustable	ø 3.3 mm / 636659 ø 4.2 mm / 636659 ø 5.3 mm / 636659
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

Pictures may vary.

Prosthetic Guideline Hex Connection

Impression

- open
- closed
- digital
- Multi Unit



Gingiva Former

- conical
- cylindrical
- Multi Unit

	Individual Tooth Restorations	Bridge Restorations	Total Restorations (conditionally removable)	Total Restorations (removable)
Titan Abutments conus connector	✓	✓	✗	✓
CAD/CAM Adhesive base Titanium	✓	✓	✗	✗
CAD/CAM Adhesive base Titanium CEREC®	✓	✓	✗	✗
CAD/CAM Blank PreFace®	✓	✓	✗	✓
SAE-Conus adapter	✗	✓	✓	✓
Multi Unit Abutment	✗	✓	✓	✗
HSL Abutment	✗	✓	✗	✓
Acrylic abutment	✓	✓	✗	✓
Locator® Abutment	✗	✗	✗	✓
Ball-head connector	✗	✗	✗	✓
IMPLA direct (Passiv Fit)	✗	✓	✓	✓
No Lock	✗	✓	✗	✓

Pictures may vary.

Hex Connection

Impression posts

The IMPLA impression posts are color-coded in line with the implant diameter and equipped with a short or long fixing screw. The elongated section of the implant axis of the customized impression tray to be created must be perforated so that the fixing screw protrudes from the impression post. To secure the impression aid in place, the fixing screw should be carefully hand-tightened both in the implant and on the laboratory implant using the 1.2 mm screwdriver.

	Description	Size / Art. no.
	Impression post incl. fixation screw short (20 mm)	ø 3.3 mm / 638855 ø 4.2 mm / 638856 ø 5.3 mm / 638857
	Impression post incl. fixation screw long (27 mm)	ø 3.3 mm / 638852 ø 4.2 mm / 638853 ø 5.3 mm / 638854

Closed impression technique

The IMPLA impression posts are color-coded in line with the implant diameter and equipped with a transfer cover and vertical screw. A preassembled impression tray can be used for the closed tray impression technique. To secure the impression aid in place, the vertical screw should be carefully hand-tightened both in the implant and on the laboratory implant using the 1.2 mm screwdriver. The transfer cover (repositioning aid) is pushed onto the impression posts until a noticeable pressure point is overcome and the transfer cover is clearly secure.

	Description	Size / Art. no.
	Impression post incl. transfer cover and vertical screw blue 1.5 mm	ø 3.3 mm / 638867 ø 4.2 mm / 638868 ø 5.3 mm / 636658

Lab Implant

	Description	Size / Art. no.
	Lab implant	ø 3.3 mm / 636133 ø 4.2 mm / 636132 ø 5.3 mm / 636134
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658

Accessories

	Description	Size / Art. no.
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

Pictures may vary.

CAD/CAM Hex Connection

CAD/CAM Adhesive base Titanium

The rotationally secure IMPLA CAD/CAM adhesive bases act as the optimum connection between the implant and the custom created single-tooth crowns and mesostructures, made from suitable materials. The base is optically captured using suitable dental scanners. To this end, the IMPLA scan abutment is placed on the base and secured with the blue vertical screw. The digitally recorded geometry is used to model and manufacture single-tooth crowns and mesostructures using CAD/CAM techniques.

	Description	Size / Art. no.
 4.2 mm	Adhesive Base Titanium	ø 3.3 mm / 636681 ø 4.2 mm / 636683 ø 5.3 mm / 636685

CAD/CAM Blanks

The IMPLA PreFace® abutments made from titanium enable you to create one-piece, customized abutments.

The abutments are original IMPLA products characterized by the highest precision and accuracy. A MEDENTIKA PreFace® abutment holder is required.

	Description	Size / Art. no.
	PreFace® Abutment Titanium D 11.5 mm	ø 3.3 mm / 638800 ø 4.2 mm / 638801 ø 5.3 mm / 638802
	PreFace® Abutment Titanium D 16.0 mm	ø 3.3 mm / 638807 ø 4.2 mm / 638808 ø 5.3 mm / 638809

CAD/CAM Titanium Base for CEREC®

Based on the Sirona CEREC® System.

The IMPLA CAD/CAM CEREC® adhesive base enables you to use CAD/CAM to design and manufacture customized implant abutments and single-tooth restorations for IMPLA implants. It is based on the Sirona CEREC® system. Every IMPLA CEREC® adhesive base has a laser inscription that specifies which ceramic block connection (S, L) and data path you should choose.

Please order the Sirona scan bodies and ceramic blocks from your specialist retailer as usual.

	Description	Size / Art. no.
 4.7 mm	Adhesive Base Titanium	ø 3.3 mm / 636703 ø 4.2 mm / 636704 ø 5.3 mm / 636705

CAD/CAM Hex Connection

Accessories

The vertical screw POM is an adhesive aid that makes it safe and easy to bond the abutment to the custom-designed structure. It prevents adhesive from getting into the screw channel when bonding the individual abutment.

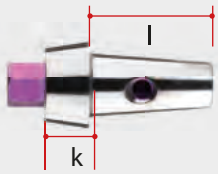
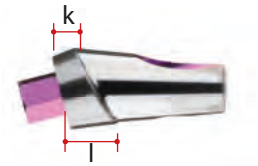
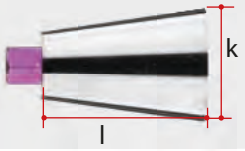
By using the bonder Sebond Implant and the self-hardening composite cement Alphalink Implant, you can optimally bond the IMPLA adhesive base to the customized structure.

	Description	Size / Art. no.
	Scan abutment	ø 3.3 mm / 636686 ø 4.2 mm / 636687 ø 5.3 mm / 636688
	Vertical screw 1.5 mm	ø 3.3 mm / 636649 ø 4.2 mm / 636649 ø 5.3 mm / 636649
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658
	Vertical screw POM	638365
	Alphalink Implant for bonding titanium abutments to individualized zirconium dioxide abutments and supra-constructions	640076
	Sebond Implant For bonding titanium abutments to individualized zirconium dioxide abutments or supra-constructions	640075

Hex Connection

Titanium abutments

The titanium IMPLA Conus connectors are ideal for cementable single-tooth and bridge restorations subject to high aesthetic demands. The IMPLA Conus connectors are available with angles of 0° and 15°. Individually milled IMPLA Conus connectors are also available to you for highly customized modifications.

	Description	Size / Art. no.
	Conus connector 0°	ø 3.3 mm / GH 1.5 mm / k 1.5 mm / l 6 mm / 636180 ø 4.2 mm / GH 1.5 mm / k 1.5 mm / l 7 mm / 636181 ø 5.3 mm / GH 1.5 mm / k 1.5 mm / l 7 mm / 636182 ø 3.3 mm / GH 2,5 mm / k 2,5 mm / l 6 mm / 636153 ø 4.2 mm / GH 2,5 mm / k 2,5 mm / l 7 mm / 636656 ø 5.3 mm / GH 2,5 mm / k 2,5 mm / l 7 mm / 636155
	Conus connector 15°	ø 3.3 mm / GH 2,5 mm / k 2,5 mm / l 3,5 mm / 636154 ø 4.2 mm / GH 1.5 mm / k 1,3 mm / l 2,5 mm / 636657 ø 5.3 mm / GH 1.5 mm / k 1.5 mm / l 2,5 mm / 636156
	Conus connector , individually millable	ø 3.3 mm / k 5,0 mm / l 8 mm / 636162 ø 4.2 mm / k 7,0 mm / l 10 mm / 635480 ø 5.3 mm / k 7,4 mm / l 10 mm / 636160

Accessories

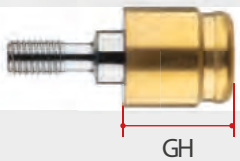
	Description	Size / Art. no.
	Vertical screw 1.5 mm	ø 3.3 mm / 636649 ø 4.2 mm / 636649 ø 5.3 mm / 636649
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658
	Horizontal rosette Titanium	ø 3.3 mm / ø 4.2 mm / ø 5.3 mm / 636662
	Horizontal screw, adjustable	ø 3.3 mm / ø 4.2 mm / ø 5.3 mm / 636659
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

Pictures may vary.

Hex Connection

Locator® Abutments

The Locator® abutments are designed for use with implant-retained and mucous-membrane-supported prosthetics for partial and total prostheses in the upper and lower jaw worn resiliently. The Locator® abutments are primarily characterized by a low vertical height, their unique dual anchor system, and the ability to be used at severe angles with implant divergences of up to 20° per implant. The self-aligning design enables intuitive positioning when inserting and fixing the prosthesis. Various retention inserts with different pull-off forces are available.

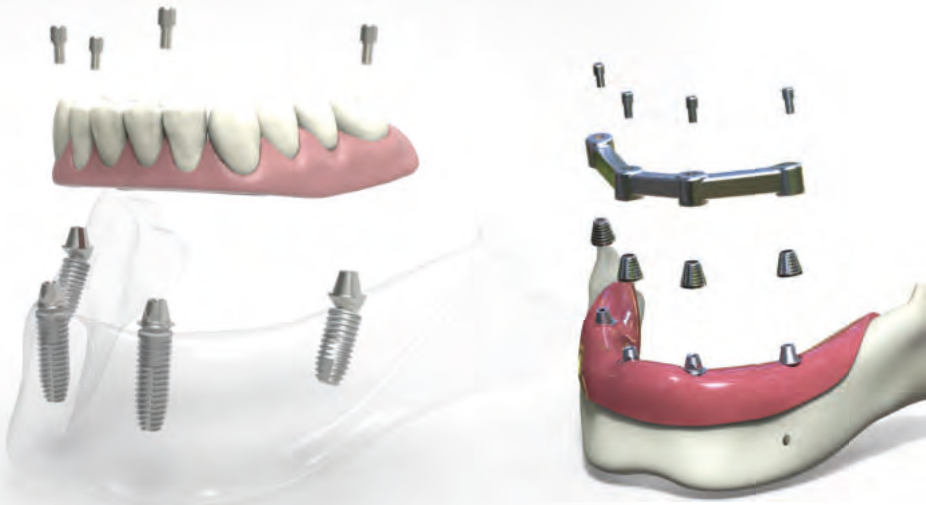
	Description	Size / Art. no.
	Locator® Abutment GH 2 mm	ø 3.3 mm / 636080 ø 4.2 mm / 636081 ø 5.3 mm / 636082
	Locator® Abutment GH 3 mm	ø 3.3 mm / 636060 ø 4.2 mm / 636062 ø 5.3 mm / 636064
	Locator® Abutment GH 5 mm	ø 3.3 mm / 636061 ø 4.2 mm / 636063 ø 5.3 mm / 636065

Accessories Locator® Abutments

	Description	Art. no.
	Locator® impression post	636067
	Locator® Lab implant	636068
	Locator® insertion part, range 0°-10° • 4 pcs./clear, pull-off force 2,260 g • 4 pcs./pink, pull-off force 1,360 g • 4 pcs./blue, pull-off force 680 g Locator® insertion part, range 10°-20° • 4 pcs./green, pull-off force 1,360-1,800 g • 4 pcs./red, light retention, pull-off force 220-680 g	 636071 636072 636076 636073 636074
	Locator® five-part matrix set (retention housing with processing insert black, blocking ring, Locator insertion part clear, pink, blue)	636070
	Locator® Adapter, mechanical	636075
	Tool ratchet for Locator® adapter (Art. no. 636075)	636077
	Locator® core tool, three-part	636066
	Locator® Impression male, black, 4 pcs.	636059

Pictures may vary.
Locator® is a registered trademark of Zest Anchors Inc.

IMPLA Multi Unit System



Hex Connection

Multi Unit Abutments

Coming Soon!

The IMPLA Multi Unit system has been specially developed for occlusally screw-retained permanent and removable bars, bridges, and total restorations.

Die IMPLA Multi Unit abutments are available in three different angles (0°, 20°, and 30°). The abutments are screwed together directly with the respective implant. This creates a fixed transgingival platform that can be used for all further prosthetic and laboratory measures. The 0° abutments already have a screw thread and are screwed into the implant with the long or short insertion key. To attach the 20° and 30° abutments into the implant, the vertical screw Multi Unit is used. This is screwed in using the long or short 1.2 mm screwdriver. All laboratory components are secondarily secured to the abutment base with the prosthetics screw using the long or short 1.2 mm screwdriver.

For the range of recommended implants, please see the IMPLA instructions for use.

	Description	Size / Art. no.
	Multi Unit Abutment 0°	ø 3.3 mm / GH 1 mm / 636689 ø 4.2 mm / GH 1 mm / 636695 ø 5.3 mm / GH 1 mm / 636706 ø 3.3 mm / GH 3 mm / 636690 ø 4.2 mm / GH 3 mm / 636696 ø 5.3 mm / GH 3 mm / 636707
	Multi Unit Abutment 20°	ø 3.3 mm / GH 1.5 mm / 636691 ø 4.2 mm / GH 1.5 mm / 636697 ø 5.3 mm / GH 1,0 mm / 636708 ø 3.3 mm / GH 3 mm / 636692 ø 4.2 mm / GH 3 mm / 636698 ø 5.3 mm / GH 3 mm / 636709
	Multi Unit Abutment 30°	ø 3.3 mm / GH 1 mm / 636693 ø 4.2 mm / GH 1 mm / 636699 ø 3.3 mm / GH 3 mm / 636694 ø 4.2 mm / GH 3 mm / 636700

Pictures may vary.

Accessories Multi Unit Abutments

	Description	Art. no.
	Lab implant Multi Unit	638627
	Impression post Multi Unit, open impression	638628
	Fixation screw OL, open impression	638629
	Plastic sleeve POM for Multi Unit	638630
	Metal sleeve Multi Unit	638631
	Gingiva sleeve (PEEK) for Multi Unit	638632
	Scan abutment Multi Unit	638633
	Vertical screw Multi Unit	638634
	Prosthetic screw secondary for Multi Unit Abutment	638636
	Screwdriver 1.2 mm short Screwdriver 1.2 mm long	637117 637118
	Insertion key standard short Insertion key standard long	637112 637104

Universal Drilling Guide

The system enables you to place the implants at the ideal angle for the subsequent prosthetic restoration. The Universal Drilling Guide is a drilling aid that helps you drill holes for distal implants: Drill the mesial pilot hole without angulation, then, based on this, use the drilling guide to position all other implants at 0°, 20°, or 30°. The Universal Drilling Guide is particularly ideal for using with the Multi Unit system.

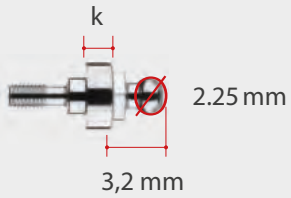
	Description	Size / Art. no.
	Universal Drilling Guide	638637

Pictures may vary.

Hex Connection

Ball-head connector

In the area of implantological hybrid prosthetics, the tried-and-tested ball head technique is a form of implant-retained, mucous-membrane-supported restoration. The ball head connectors should generally be positioned perpendicularly to the occlusal plane. They are available in two different gingiva heights and the matrices can be freely selected with various pull-off forces. The system can be used to rework or recreate an existing cover prosthesis.

	Description	Size	Art. no.
	Ball-head connector	ø 3.3 mm / k 1,7 mm / GH 2 mm ø 4.2 mm / k 1,7 mm / GH 2 mm ø 5.3 mm / k 1,7 mm / GH 2 mm ø 3.3 mm / k 3.7 mm / GH 4 mm ø 4.2 mm / k 3.7 mm / GH 4 mm ø 5.3 mm / k 3.7 mm / GH 4 mm	636025 636016 636027 636026 636017 636028

Accessories

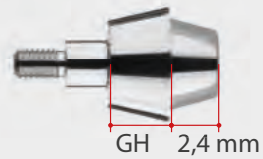
	Description	Size / Art. no.
	Mounting matrix blue Inner matrix gold, can be activated, pull-off force 800 g Inner matrix red/heavy, pull-off force 1,200 g Inner matrix green/standard, pull-off force 800 g Inner matrix yellow/light, pull-off force 600 g	636001 636002 636003 636004 636005
	Retention cap, small for framework stabilization	636007
	Retention cap, large, for resin curing	636009
	Model axis	636018
	Parallelization aid	636015
	Screwdriver 4 Ncm	636006
	Activator / deactivator	636019
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117
	Insertion key	long / 637104 short / 637112

Pictures may vary.

Hex Connection

Conus adapter

The IMPLA Conus adapters have been specially developed for occlusally screw-retained bridge and bar designs and can also be used for the SAE spark erosion technique. The purpose of these abutments is to balance out implant divergences so as to enable tension-free bridge restorations. The customizable and heat-formable modeling tools can be used to create the design. The finished bridge structure is secured in the patient's mouth using the appropriate bar screw.

	Description	Size	Art. no.
	Conus adapter	ø 3.3 mm / GH 2.0 mm ø 3.3 mm / GH 3.0 mm ø 4.2 mm / GH 1.5 mm ø 4.2 mm / GH 3.0 mm	636668 636669 636670 636671

Accessories

	Description	Size / Art. no.
	Carving aid (SAE) transparent	636232
	Bridge screw for carving aid (SAE)	636667
	Modelling aid, opal	636231
	Bridge screw for carving aid	636233
	Screwdriver	ø 2.3 mm – long / 637101 ø 2.3 mm – short / 637100
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

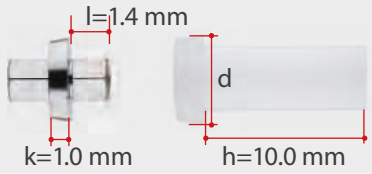
Pictures may vary.

Hex Connection

HSL-Abutments

The IMPLA HSL abutment comprises a prefabricated, castable, rotationally secure base part made of refractory gold alloy capable of being cast on (melting range 1,350 °C to 1,460 °C) and a funnel made of castable plastic (POM). The funnel acts as a modeling aid that can be occlusally shortened as required and provides a clean finish to the screw channel.

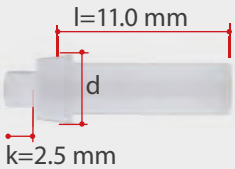
This abutment enables you to manufacture customized single-tooth crowns and mesostructures for cementable bridge restorations and primary pillars in order to bridge implant axis divergences when using the double crown technique. Furthermore, by using the horizontal rosette HSL, it is possible to manufacture a horizontally screwed customized prosthetic. The cast-on procedure can only be used with alloys with a high gold content.

	Description	Size / Art. no.
	Abutment connector HSL	ø 3.3 mm / d 4.0 mm / 636647 ø 4.2 mm / d 4.9 mm / 636665 ø 5.3 mm / d 5.8 mm / 636161

Castable abutments

The IMPLA plastic abutment is made entirely of a castable plastic (POM). The upper area acts as a modeling aid that can be occlusally shortened as required and provides a clean finish to the screw channel.

This abutment enables you to manufacture customized single-tooth crowns and mesostructures for cementable bridge restorations and primary pillars in order to bridge implant axis divergences when using the double crown technique. Casting can occur using gold or CoCr alloys or the titanium casting process.

	Description	Size / Art. no.
	Acrylic abutment 0°	ø 3.3 mm / d 3.8 mm / 636163 ø 4.2 mm / d 4.9 mm / 635461 ø 5.3 mm / d 5.9 mm / 636164

Pictures may vary.

Hex Connection

Accessories

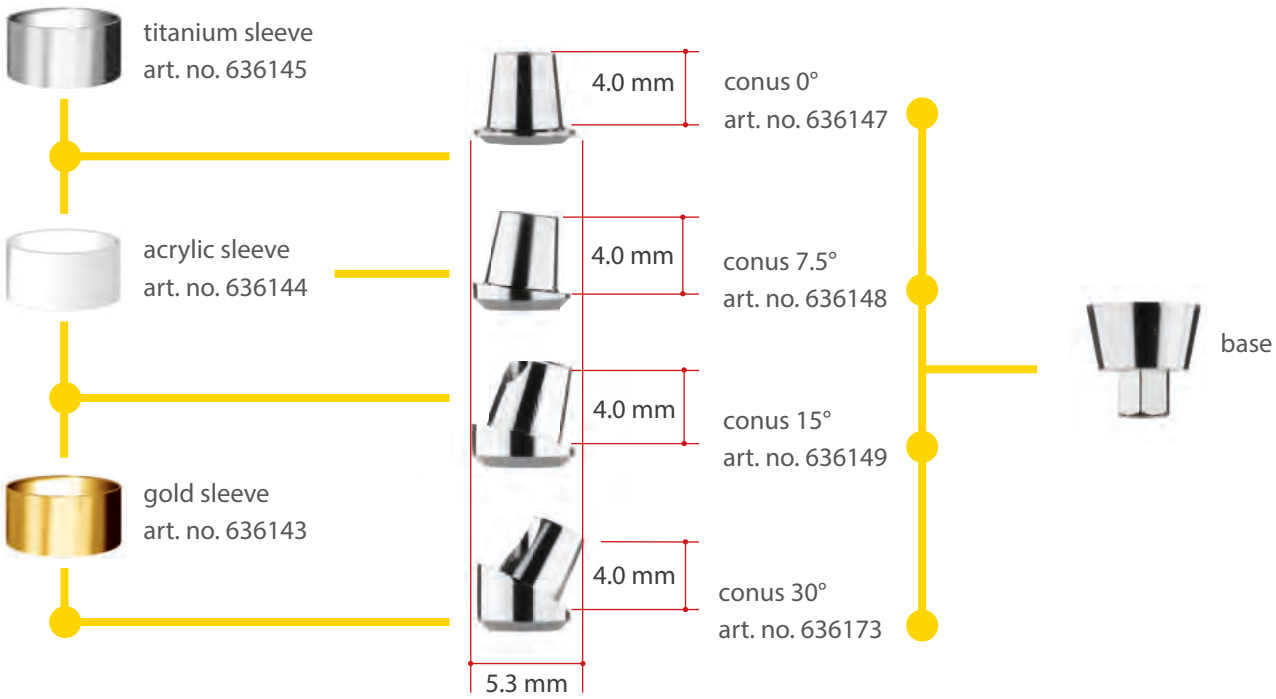
	Description	Size / Art. no.
	Vertical screw 1.5 mm	ø 3.3 mm / 636649 ø 4.2 mm / 636649 ø 5.3 mm / 636649
	Vertical screw blue 1.5 mm	ø 3.3 mm / 636658 ø 4.2 mm / 636658 ø 5.3 mm / 636658
	Rosette, horizontal HSL	ø 3.3 mm / 636664 ø 4.2 mm / 636664 ø 5.3 mm / 636664
	Rosette, horizontal Titanium	ø 3.3 mm / 636662 ø 4.2 mm / 636662 ø 5.3 mm / 636662
	Horizontal screw, adjustable	ø 3.3 mm / 636659 ø 4.2 mm / 636659 ø 5.3 mm / 636659
	Screwdriver	ø 1.2 mm – long / 637118 ø 1.2 mm – short / 637117

Pictures may vary.

Hex Connection

IMPLA Direct (Passiv Fit)

The IMPLA Direct system has been specially developed for the stress-free bonding of bar designs, telescopic restorations, and screw-on bridges. The base part is connected to the appropriate prefabricated cone, which is available in various versions with different angles (0°, 7.5°, 15°, and 30°). The precisely fitting sleeves are optionally available in castable (POM), cast-on (gold), and laser-technology-compatible (titanium) versions. The Alphalink Automix Set enables optimum results when bonding the structure.



	Description	Size / Art. no.
	Base 1.5 mm	ø 3.3 mm / 636170 ø 4.2 mm / 636139 ø 5.3 mm / 636172
	Base 3.0 mm	ø 3.3 mm / 636169 ø 4.2 mm / 636146 ø 5.3 mm / 636171
	Vertical screw for base height 3.0 mm	636648
	Vertical screw for base height 1.5 mm	636649
	Alphalink Automix Set attachment glue	639030

Pictures may vary.

Hex Connection

Tools/Accessories

	Description	Art. no.
	(all screws are compatible with screwdriver SW 1.2 mm)	
	Vertical screw blue 1.5 mm	636658
	Vertical screw standard 1.5 mm	636649
	Vertical screw 3.0 mm for Passiv Fit base height 3.0 mm	636648
	Bridge screw for carving aid (SAE)	636667
	Bridge screw for carving aid (art. no. 636231)	636233
	Horizontal screw, adjustable	636659
	Screwdriver SW 1.2 mm short Screwdriver SW 1.2 mm long	637117 637118
	Screwdriver SW 2.3 mm short Screwdriver SW 2.3 mm long	637100 637101
	Torque ratchet	637123

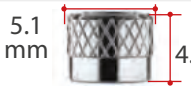
The IMPLA abutment holder is used to securely hold the implant abutments, making it far easier to trim and customize them while also preventing damage to the implant connector. The respective pins are inserted into the IMPLA abutment holder depending on the internal connection (Hex or cone connection) and diameter.

	Abutment holder	635505
	Abutment holder Set	635509
	Pin Hex Connection 3.3 mm / 4.2 mm / 5.3 mm	635506
	Pin Cone Connection 3.3 mm / 4.2 mm	635507
	Pin Cone Connection 5.3 mm	635508

Pictures may vary.

Mini

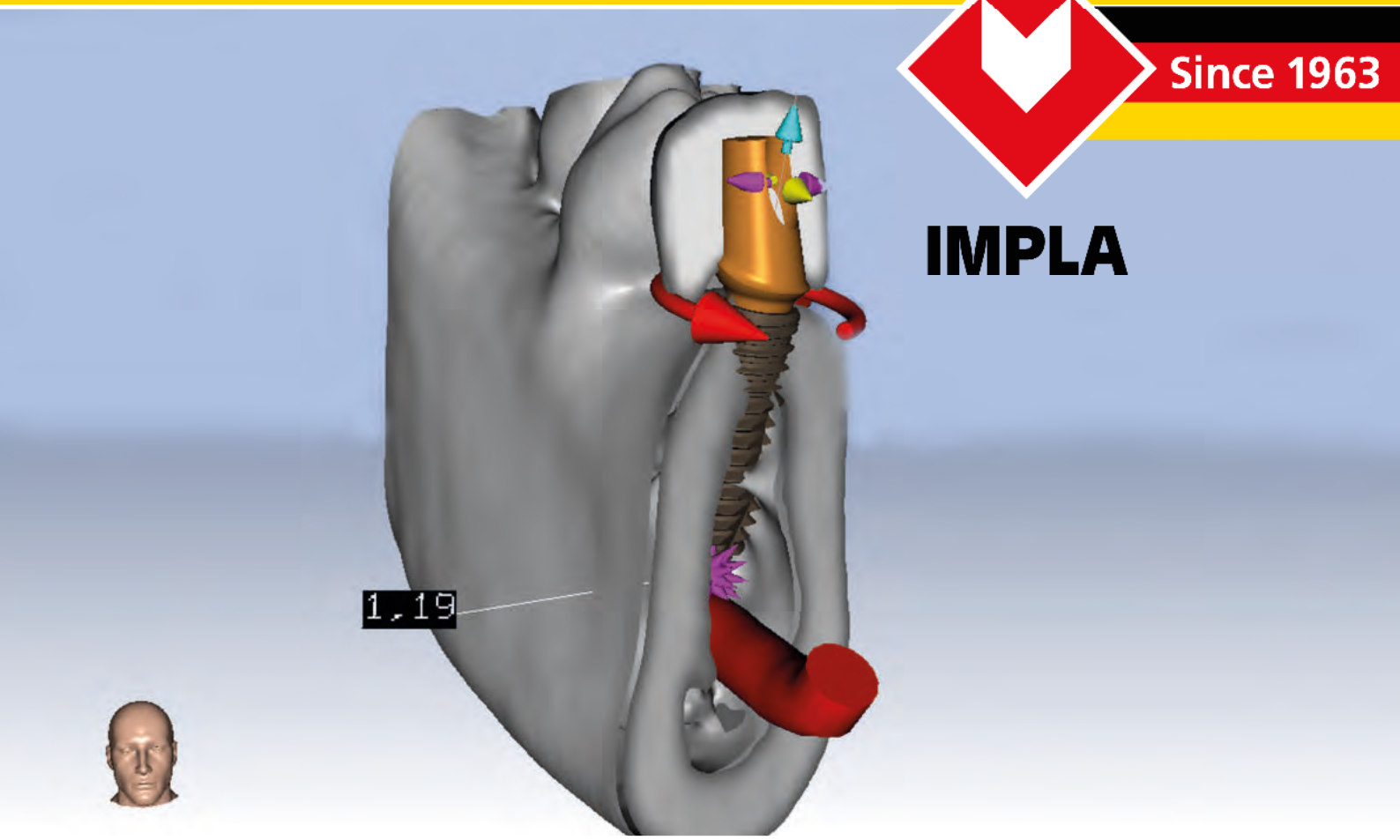
IMPLA Mini-balltop

	Description	Art. no.
	Transfer cover	635488
	Lab implant	635487
	Open balltop matrix incl. O-ring pull-off force 650 g	635489
	Closed balltop matrix incl. O-ring pull-off force 650 g	635479
	O-ring red for balltop matrix pull-off force 650 g	635499
	O-ring green for balltop matrix pull-off force 450 g	635500
	Closed balltop matrix small incl. O-ring pull-off force 800 g	635469
	O-ring red small for balltop matrix small pull-off force 800 g	635468
	O-ring black small for balltop matrix small pull-off force 1,000 g	635501

IMPLA Mini-conetop

	Description	Art. no.
	Transfer cover	635495
	Lab implant	635493
	POM	635491
	Holding screw	635502
	IMPLA Prosthetic Set Mini-conetop (art. no. 635495, 635491, 635502, 635493)	635503

Pictures may vary.



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IMPLA

IMPLA 3D Navigation

The three-dimensional planning software for minimally-invasive implantology.

The implant navigation system IMPLA 3D supports you during planning and diagnosis of your patient cases. The system offers you the option of template-guided insertion. Integrating the implant system into your digital workflow has been fully taken into consideration. Give yourself and your customers even greater security during planning using IMPLA 3D as well as greater efficiency.

IMPLA 3D Navigation

Planning and Diagnostics.

There are many reasons why experts recommend 3D implant planning: It offers your patients the highest level of safety. It is even possible for you to document this if there is any doubt.

Your patient will realize immediately why he or she is in the best hands with you. IMPLA 3D illustrates to your patient the implantation procedure and the result in a visual and clear way. A service for the patient - he feels safe and recognizes the benefits of the treatment. Virtual planning before the surgery reduces the stress for you, your team and the patient. The results can be better predicted and are technically more refined. You create exceptionally high quality results.
Join the trend-setters with IMPLA 3D: The "Complete Digital Workflow" links your digital system for highly reliable and precise results.

"IMPLA 3D offers an excellent means of transferring the exact implant position to the edentulous area. The software is used to eliminate errors arising from manual insertion, and to coordinate the pre-surgical prosthetic planning. Precise evaluation of the bone volume and optimal determination of the prosthetic axis offer a high degree of security and predictability."

Dr. Umut Baysal
Dentist & Implantologist, Study group leader DGZI
Attendorn/Germany

"This is more than just a virtual planning program. I am thrilled by all the advantages that IMPLA 3D brings. It's not only the additional safety, but also the system's possibilities as a marketing tool. Our lab frequently organizes IMPLA and IMPLA 3D events (expert meetings to exchange ideas). The amount of implant cases in my lab have doubled since we have started organizing this series of events."

Helmut Heidlindemann, MDT,
Marburg/Germany

IMPLA 3D Navigation

Planning and Diagnostics.

IMPLA 3D Software

Description	art. no.
IMPLA 3D UNIVERSE for LAB The Allrounder: You plan the treatment virtually, discuss this with your patient and (if necessary) have a drill template prepared - for this you can export the data into the Digital Workflow system or select a manual solution.	638091
IMPLA 3D Star You plan the treatment virtually, discuss this with your patient and (if necessary) have a drill template prepared - for this you can export the data into the Digital Workflow system. To do this, send your data for the production of a surgical template to a laboratory using the IMPLA 3D Universe Software.	638096

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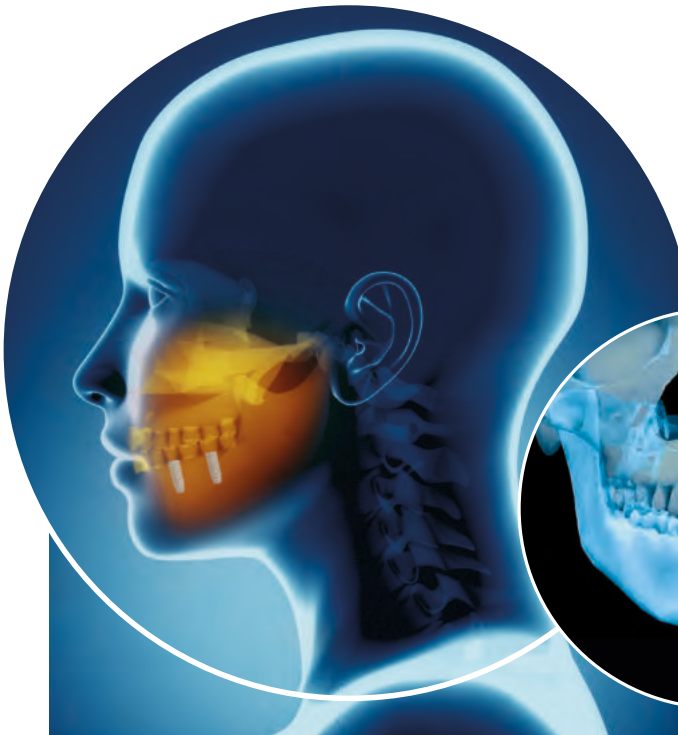

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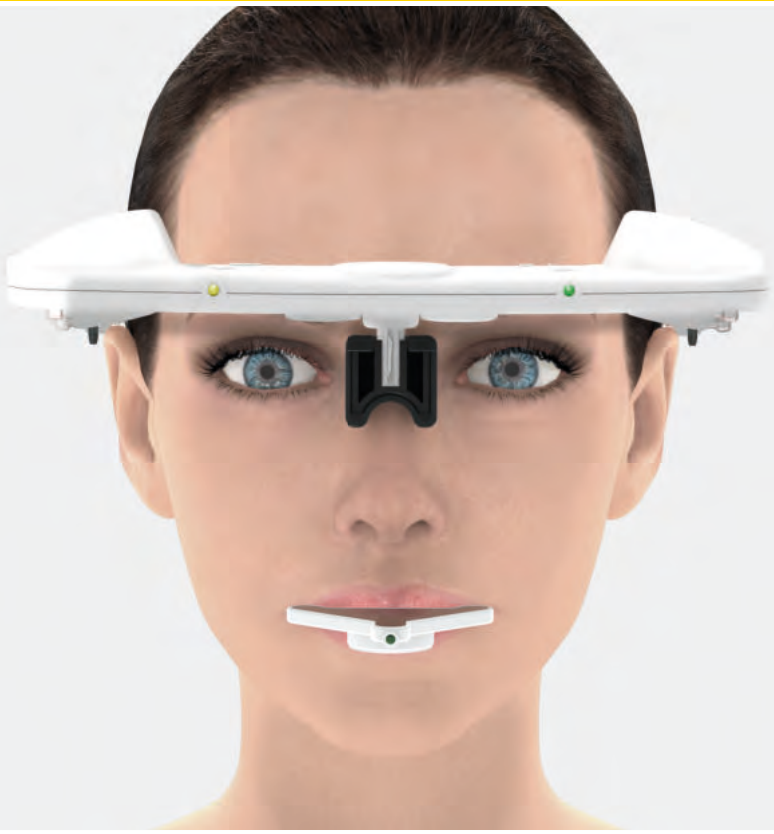

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SCHÜTZ DENTAL

General Terms and Conditions of Business of Schütz Dental GmbH

Paragraph 1: General – Scope of Conditions
(1) The goods and services and the offers of Schütz Dental GmbH (referred to hereinafter as "the vendor") are supplied exclusively on the basis of these Conditions of Business. These will also apply to all future business relationships, whether or not they are explicitly agreed separately. These Conditions will be deemed to have been accepted at the latest on taking delivery of the goods or services. Confirmations to the contrary by the purchaser with reference to its own Conditions of Business or Purchase are hereby repudiated.
(2) The vendor carries out business exclusively with customers (referred to hereinafter as "purchasers") within the meaning of Section 14 of the German Civil Code [BGB]. A prospective purchaser that is not a merchant within the meaning of Section 14 of the German Civil Code but which is a consumer within the meaning of Section 13 of the German Civil Code, is required to notify the vendor of this immediately.
(3) All agreements reached between the vendor and the purchaser for the purpose of performing this contract shall be recorded in writing.

Paragraph 2: Offer and Conclusion of Contracts
(1) The offers made by the vendor are non-binding and subject to alteration. Declarations of acceptance and all orders must be confirmed by the vendor in writing or by telefax to be legally valid.
(2) The vendor reserves the right to carry out a creditworthiness check on the purchaser. Depending on the result of the check, the vendor will be entitled to alter its Conditions of Delivery, the payment period or the method of payment. In the event of a negative credit check, the vendor will also be entitled to withdraw from a contract which has already been concluded without incurring liability for damages.
(3) Drawings/plans, illustrations, weights, measures and other performance data are only binding if this is explicitly agreed in writing.
(4) Information from prospectuses, price-lists or the offer is not legally binding unless they have become an explicitly integral part of the contract.
(5) The vendor's employees are not authorised to issue oral agreements or assurances that exceed the contents of the written contract.
(6) The purchaser is bound to its order (the purchaser's contractual offer) for 14 working days. The vendor may accept the order either by written confirmation or by delivering the goods.
(7) Conclusion of the contract is subject to timely and proper self-delivery by the vendor. Defects in performance shall be notified to the purchaser within an appropriate period.

Paragraph 3: Prices
(1) Unless otherwise stipulated, the vendor will be bound by the prices in its offer for 30 days from the date of the offer. Thereafter, the prices in force at the time the goods are delivered will apply. Otherwise, the prices referred to in the confirmation of the offer plus the applicable statutory value added tax – if this is incurred – will be authoritative. The supply of additional goods and services will be invoiced separately.
(2) Unless otherwise agreed, the prices will be ex-works plus the cost of packaging and transport. Deliveries will only be insured at the customer's request and expense. Orthodontic bands, attachments and latches, gold and leads will be routinely shipped via registered mail or registered package at the wish and expense of the purchaser.
(3) Maintenance, repair work, dismantling and installation work will be invoiced separately according to the time taken plus the cost of materials. The vendor's effective hourly rates will apply plus the applicable value added tax – if this is incurred, as will any travel time to and from the worksite.
(4) In the event of any significant change in the order-related personnel or material costs after the contract has been concluded, the vendor will be entitled to adjust the prices accordingly. If requested by the purchaser, the vendor will be required to justify the price-increase. In the event of a price-increase in excess of 10 % of the net price, the purchaser will be entitled to withdraw from the contract within ten days after the price-increase has been announced.
(5) Any discounts granted by the vendor are to be passed on to the patient by the purchaser/dentist resp. dental technician as provided by law.

Paragraph 4: Delivery and Performance Periods
(1) Delivery dates or periods which can be agreed bindingly or non-bindingly must be in writing.
(2) The vendor is not responsible for delivery or performance delays due to reasonably unforeseeable events (so-called "Acts of God") – including in the case of bindingly agreed periods or dates – or for events which make delivery - not only temporarily - considerably difficult or impossible for the vendor – as well as strikes, lock-outs, official instructions etc. in particular, including if these occur with suppliers of the vendor or its subcontractors/sub-suppliers. They entitle the vendor to postpone the delivery, service or performance for the duration of the delay plus an appropriate lead period or to wholly or partially withdraw from the contract due to the still-unfulfilled part.
(3) If the delay lasts more than three months, the purchaser will, after setting an appropriate grace period, be entitled to withdraw from the contract on the basis of the still-unfulfilled part. If the delivery period is extended or if the vendor is released from its obligation, the purchaser may not derive any compensation claims from this. The vendor may only invoke the circumstances referred to if it informs the purchaser within an appropriate period.
(4) If the vendor is responsible for failing to comply with binding deadline periods and dates or is in arrears, the purchaser will be entitled to compensation for the delay to the value of half of one percent (0.5 %) for every full week of the delay. However, such claims may not exceed five percent (5 %) of the invoice amount of the goods and services affected by the delivery delay. Claims exceeding this amount will not be recognised unless the delay is due at least to gross negligence on the part of the vendor.
(5) The vendor is entitled to make partial deliveries and to provide partial performance at any time unless partial delivery or partial performance is unreasonable for the purchaser.
(6) Compliance with the vendor's delivery and performance obligations presupposes the timely and proper fulfilment of obligations by the purchaser.
(7) If the purchaser is in arrears of acceptance, the vendor will be entitled to request compensation for any damage it incurs. With the onset of arrears of acceptance, the risk of accidental deterioration and accidental loss transfers to the purchaser.
(8) Deliveries are made at the risk of the purchaser, including in the case of free delivery.

Paragraph 5: Transfer of Risk
Risk transfers to the purchaser as soon as the shipment has been given to the person carrying out the transport or has left the vendor's warehouse for the purpose of shipment. If shipment is delayed at the request of the purchaser, risk transfers to the purchaser when the latter is notified that the goods are ready for shipment.

Paragraph 6: Guarantees
(1) The vendor guarantees that the products are free of manufacturing and material defects; the guarantee-deadline for mechanical parts of the products expires after one year and after six months for electronic parts. The guarantee period begins on the delivery date.
(2) If the vendor's operating or maintenance instructions are not followed, if alterations are made to the products, if parts are exchanged or if consumable materials that do not correspond to the original specifications are used, all guarantees will lapse if the purchaser fails to refute a corresponding substantiated statement that one of these circumstances caused the defect. The guarantee will also be invalid if damage is due to the fact that the goods have been worked on or repaired by third parties, if the goods are used for another purpose than that intended, if the instructions for use are not complied with or if the generally accepted rules of technology are ignored.
(3) Following receipt of the goods, the purchaser must inform the vendor's customer service management of defects in writing immediately but no later than within one week after delivery. Defects than cannot be detected within this period, including in a careful examination, are to be notified to the vendor in writing immediately following discovery.
(4) If the purchaser informs the vendor that the products do not correspond to the guarantee, the vendor will, at its option and expense, decide whether the damaged part or machine will be sent to be repaired and then returned to the vendor or whether it (the vendor) will collect the damaged part or device.
(5) If the repair fails after an appropriate deadline period, the purchaser may, at its option, request a reduction in the purchase price or, in the case of major defect, request that the contract be cancelled.
(6) Liability for normal wear and tear will not be accepted.
(7) Only the direct purchaser is entitled to assert warranty claims against the vendor; these claims are not assignable.
(8) The purchaser will bear the risk that the goods it has ordered are suitable and have been approved for the purpose it intends. Recommendations on this by the vendor are non-binding.
(9) A defect to a part of the goods will not lead to or mean a defect to all the goods and will not entitle the purchaser to cancel the contract.
(10) The vendor gives no guarantee for used parts, equipment or parts that are subject to wear and tear.
(11) The vendor hereby assigns to the purchaser its existing guarantee claims against the external manufacturer for third-party products that it (the vendor) has procured on behalf of and supplied to the purchaser. The purchaser hereby declares that it accepts this assignment.
(12) The aforementioned paragraphs contain the full, complete and exhaustive guarantee for the products and exclude all other guarantee claims of any kind. This does not apply to damages claims arising from assurances on inherent characteristics.

Paragraph 7: Spare Parts
The vendor will supply the relevant spare parts at the applicable spare part prices for a period of five years following delivery of a machine.

Paragraph 8: Retention of Title
(1) Until all claims (including any balance claims from current account) to which the vendor is entitled for any reason in law whatsoever against the purchaser, either now or in the future, have been fulfilled, the vendor is granted the following securities which it will, at its option, release on request if their value permanently exceeds the value of the claims by over 20%.
(2) The goods remain the property of the vendor. Processing or remodelling will be carried out at all times for the vendor as a manufacturer; however, this will not entail any obligation for the vendor. If the vendor's co-ownership expires due to merging or connection, it is agreed here and now that the purchaser's co-ownership as percentage value of the unified item (book value) will transfer to the vendor. The purchaser will store the vendor's (co-owned) product free of charge. Goods to which the vendor is entitled to any (co-)ownership will be referred to below as reserved goods.
(3) The purchaser is entitled to process and sell the reserved goods in the course of normal business provided it is not in arrears. Pledging or assignment as security is not permitted. The purchaser assigns here and now all claims by way of security (including any balance claims from current account) arising from the resale or any other reason in law (insurance, prohibited actions) in respect of the reserved goods to the vendor in their entirety. The vendor authorises the purchaser revocably to collect claims assigned to the vendor on its own account and on its own behalf. This collection authority may be revoked only if the purchaser fails to duly fulfil its payment obligations.
(4) In the event of access to the reserved goods by third parties, in particular in the form of seizure, the purchaser will inform the third parties of ownership by the vendor and inform the vendor immediately so that it (the vendor) may enforce its ownership rights. If the third party is not able to reimburse the vendor for the resulting court or out-of-court costs in this connection, the purchaser will be liable for these.
(5) In the event of non-contractual conduct on the part of the purchaser – in particular arrears of payment – the vendor will be entitled to take back the reserved goods or, if necessary, demand assignment of the purchaser's surrender claims against third parties. Taking back or pledging the reserved goods by the vendor will not constitute withdrawal from the contract.

Paragraph 9: Payment
(1) Unless otherwise agreed, the vendor's invoices are payable without deduction within 30 days after issue. If the purchaser pays within 10 days after the invoice has been issued, it will be entitled to deduct 2 % discount from the invoice amount. Any retrospective deduction of discount is not permitted. Payment for repair and service work is due immediately and without deduction after the invoice has been issued.
Contrary to any deviating provisions of the purchaser, the vendor is entitled to initially offset payment against older debts and will inform the purchaser of the nature of the offsetting. If costs or interest have been incurred, the vendor will be entitled to initially offset the costs, then the interest and finally the principal claim from the payment.
(2) A payment will not be deemed to have been made until the vendor can access the amount. In the case of cheques or bills of exchange, payment will not be deemed to have been made until the cheque or bill of exchange has been credited irrevocably.
(3) Payment by bill of exchange requires explicit prior approval by the vendor. Costs and expenses are at the expense of the purchaser. The purchaser also bears the risk of timely presentation and protest.
(4) If the purchaser falls into arrears, the vendor will be entitled to charge interest at the statutory rate – currently nine percent (9 %) over the applicable base lending rate of the Deutsche Bundesbank – as lump-sum compensation from the applicable date. The vendor may produce evidence of any higher damage.
(5) If the vendor becomes aware of circumstances that cast doubt on the purchaser's creditworthiness, if the purchaser stops its payments or if the vendor becomes aware of other circumstances that cast doubt on the purchaser's creditworthiness, the vendor will be entitled to declare all the remaining debt immediately payable, including if it has accepted cheques or bills of exchange. In this case, the vendor will also be entitled to request advance payments or sureties.
(6) The purchaser is entitled to offset claims, retain title and reduce the purchase price of goods, including if notices of defects or counter-claims are asserted, providing the counter-claims can be established in law or are undisputed.

Paragraph 10: Design Modifications
The vendor reserves the right at any time to make changes to design and products or to change the shape, colour or weight of products; however, it is not obliged to make these alterations to products which have already been delivered.

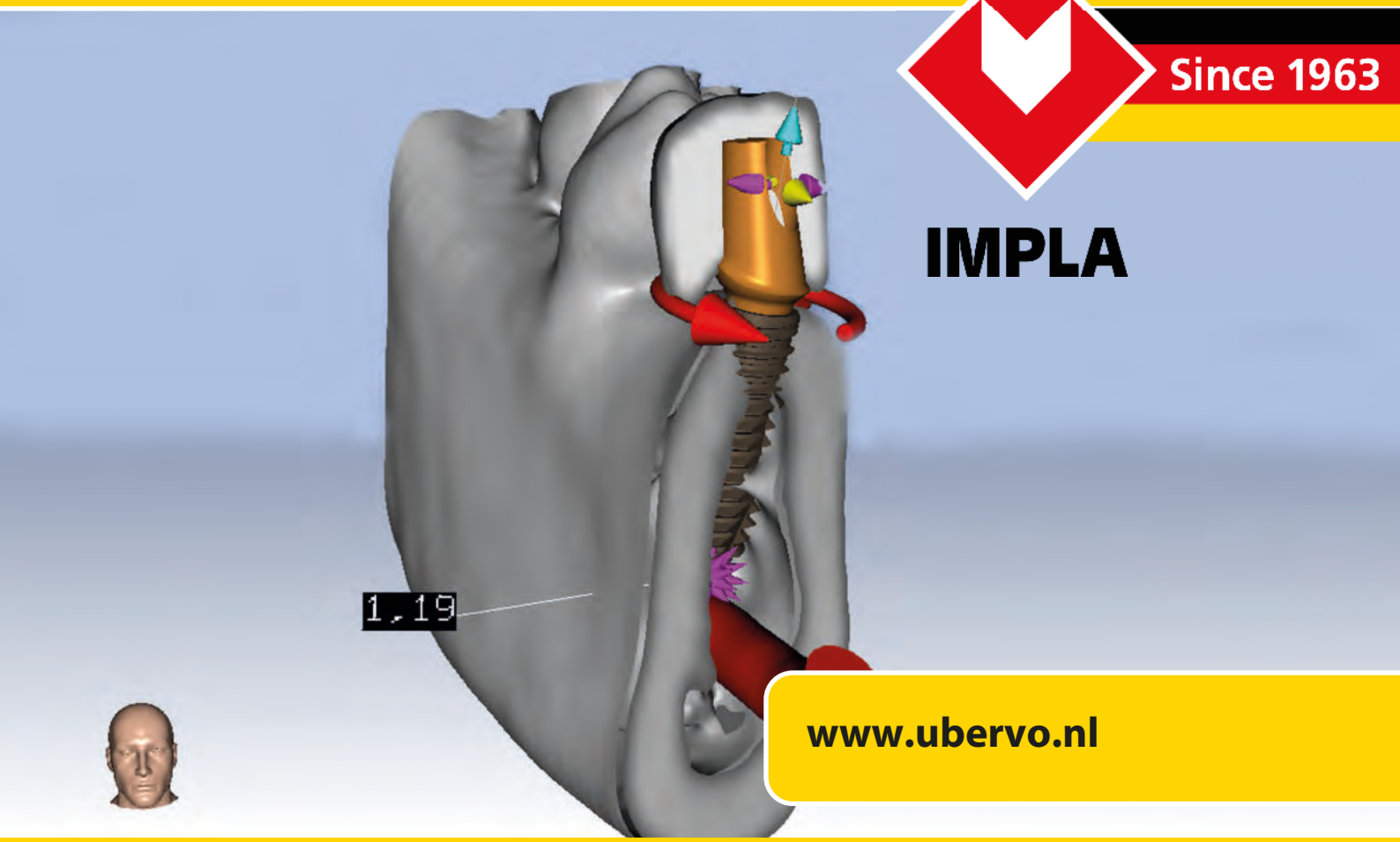
Paragraph 11: Patents and Copyright
(1) The vendor will release the purchaser and its customers from claims arising from breaches of copyright, trademarks and patents unless the design of a product as delivered originates from the purchaser. The vendor's indemnity obligation is limited to foreseeable damage in respect of the amount.
An additional condition for indemnity is that conducting legal disputes will be left to the vendor and that the alleged breach of rights is attributable exclusively to the method of construction of the vendor's products as delivered without being connected to or used with other products.
(2) The vendor is, at its option, entitled to be released from the obligations assumed in Subparagraph 1 by either
a) obtaining the necessary licences in respect of the allegedly breached patents
or
b) making an altered product or parts thereof available to the purchaser which, in the event of any exchange for the infringing product or its part, eliminates the allegation of breach of patent concerning the product.
(3) The vendor reserves its rights of ownership and copyright to drawings, sketches, catalogues, plans and other documentation. These may not be made accessible to third parties without the written permission of the vendor and are to be immediately returned on request.

Paragraph 12: Confidentiality
Unless otherwise explicitly agreed in writing, the information distributed to the vendor in connection with orders is not deemed to be confidential.

Paragraph 13: Limitation of Liability
Damages claims arising from defective performance or from unauthorised actions against both the vendor and its employees will not be recognised except in cases of wilful intent or gross negligence. This will also apply to damages claims for non-performance but only to the extent that the replacement of indirect or consequential damage is requested unless liability is based on an assurance intended to protect the purchaser against the risk of such damage. All liability is limited to foreseeable damage at the time the contract is signed. In all cases, liability on the part of the vendor in accordance with the German Product Liability Act and other claims based on product liability will remain unaffected.

Paragraph 14: Applicable Law; Place of Jurisdiction; Partial Nullity, Ancillary Agreements
(1) The law of the Federal Republic of Germany applies to these Conditions of Business and all legal relationships between the vendor and the purchaser, including the provisions of the UN Convention on the International Sale of Goods (CISG).
(2) If the purchaser is a merchant within the meaning of the German Commercial Code, is a legal entity in German public law or is a special public fund in German law, the registered offices of the vendor will be the exclusive place of jurisdiction for all disputes arising directly or indirectly from this contractual relationship. The vendor is at liberty to bring legal action against the purchaser at the place of latter's registered offices.
(3) Should a provision in these Conditions of Business or a provision in any other agreements be or become invalid, the validity of all other provisions or agreements will not be affected.
The invalid provision will be replaced by a provision which comes as close as possible in its commercial content to the invalid provision. The same will apply in the event of omissions.
(4) Ancillary agreements or amendments to these General Terms and Conditions of Business must be in writing.

09.08.2018



CONTACT

uberVo dental b.v.
Electronweg 10d
1627 LB Hoorn NH NL
T. +31 (0)229 213
info@ubervo.nl
www.ubervo.nl

importeur | distributeur

SCHÜTZ DENTAL
Micerium Group

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