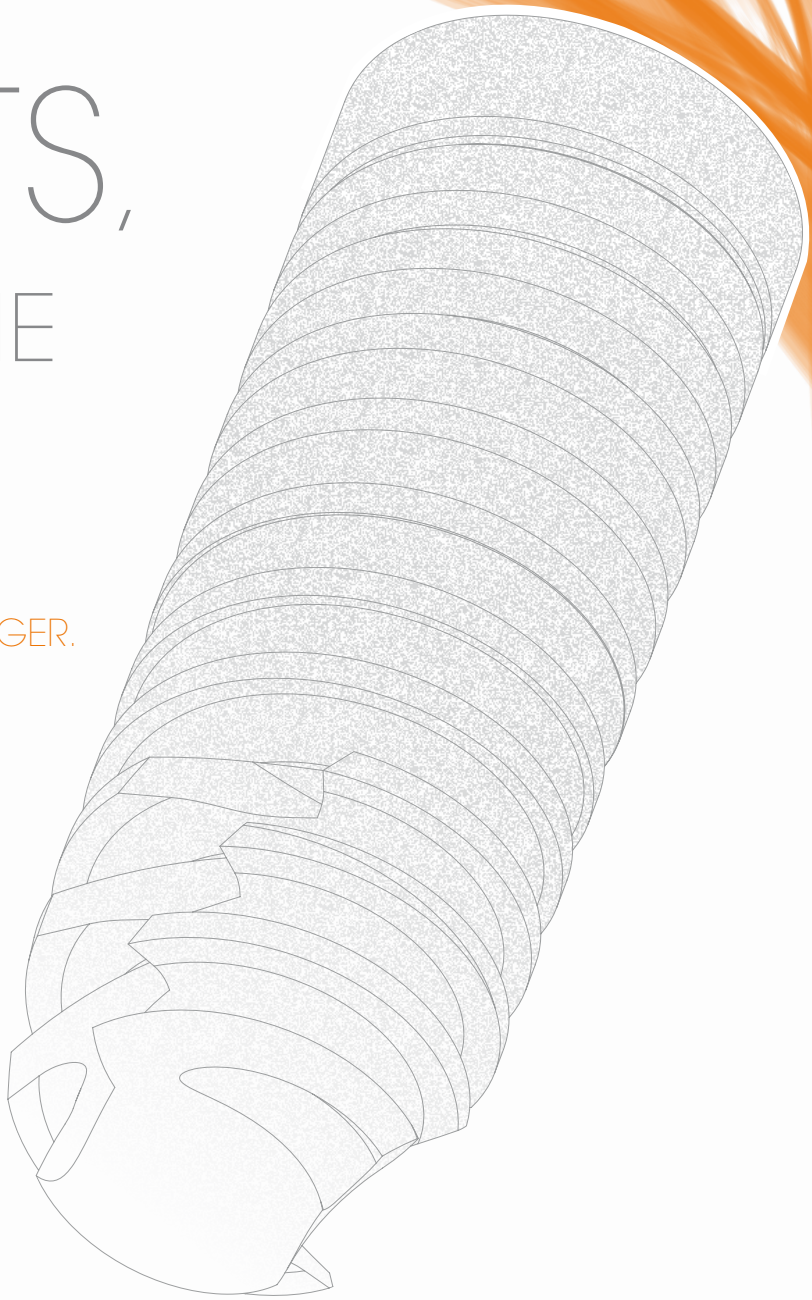
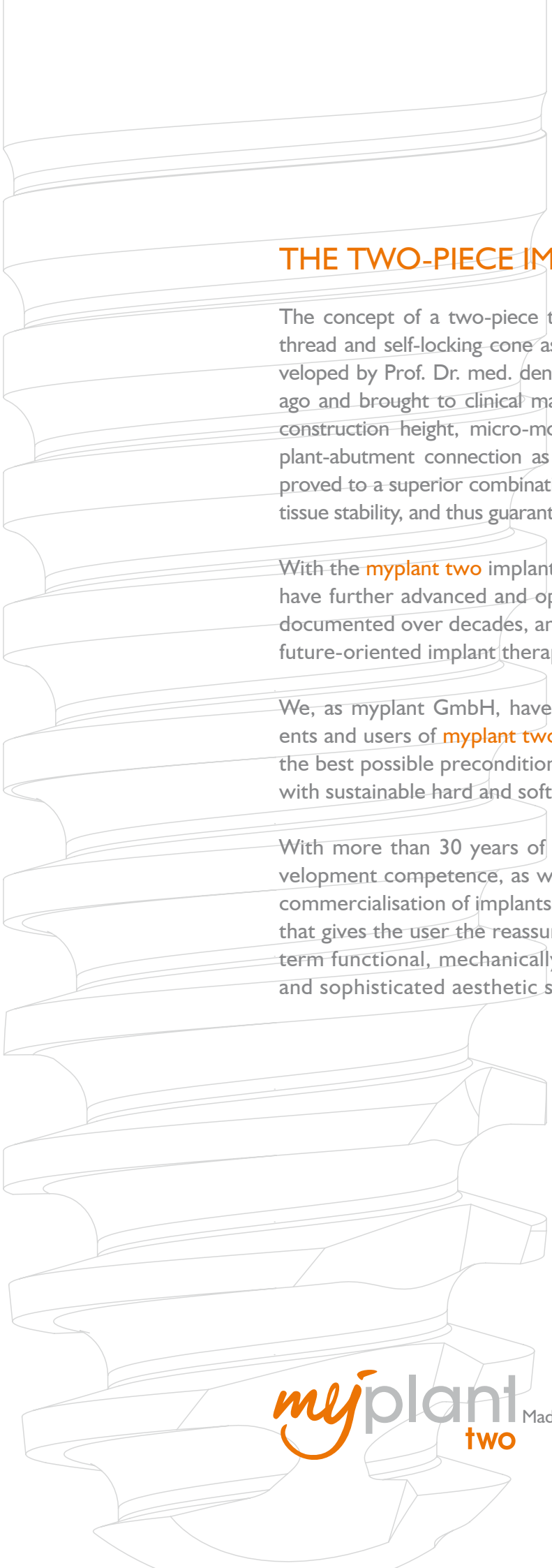
myplant two

BACK TO THE ROOTS, SHAPING THE FUTURE

Made in Germany. Made by MEISINGER.



PRODUCT CATALOGUE



THE TWO-PIECE IMPLANT SYSTEM

The concept of a two-piece titanium implant with special expansion thread and self-locking cone as abutment connection was already developed by Prof. Dr. med. dent. Nentwig and Dr. Ing. Moser 30 years ago and brought to clinical maturity. High primary stability, minimum construction height, micro-movement-free and a bacteria-proof implant-abutment connection as well as deep platform switching soon proved to a superior combination in terms of achievable bone and soft tissue stability, and thus guarantors of exceptional long-term success.

With the myplant two implant system, Prof. Nentwig and Dr. Moser have further advanced and optimized this concept, which has been documented over decades, and adapted it to the criteria of modern, future-oriented implant therapy.

We, as myplant GmbH, have made it our mission to provide patients and users of myplant two with an implant system that provides the best possible preconditions to ensure long-term implant success with sustainable hard and soft tissue stability.

With more than 30 years of dental implant manufacturing and development competence, as well as many years of experience in the commercialisation of implants, myplant GmbH represents an alliance that gives the user the reassuring feeling that myplant two is a long-term functional, mechanically stable, as well as tissue-compatible and sophisticated aesthetic solution.

myplant two Made in Germany. Made by Meisinger since 1888

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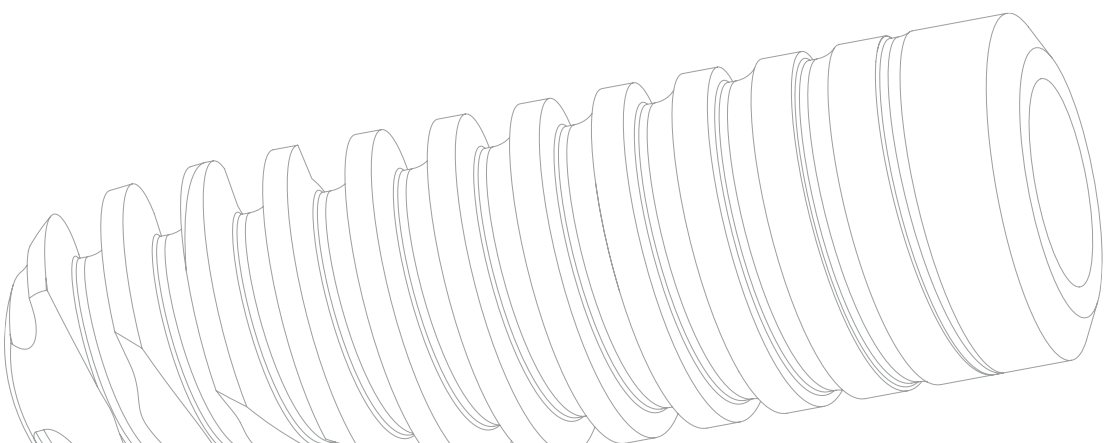
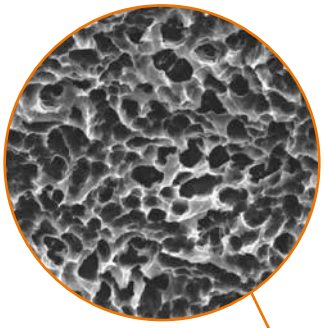


SYSTEM

THE MYPLANT TWO SYSTEM

The myplant two system is based on the proven principles of over 30 years in terms of progressive thread design and a bacteria-proof, self-locking, rotation-stable conical connection.



Stable implant-bone bond due to microstructured surface

Biomechanically favorable load transmission due to optimized implant design

Unified geometry of the internal conical connection for all components

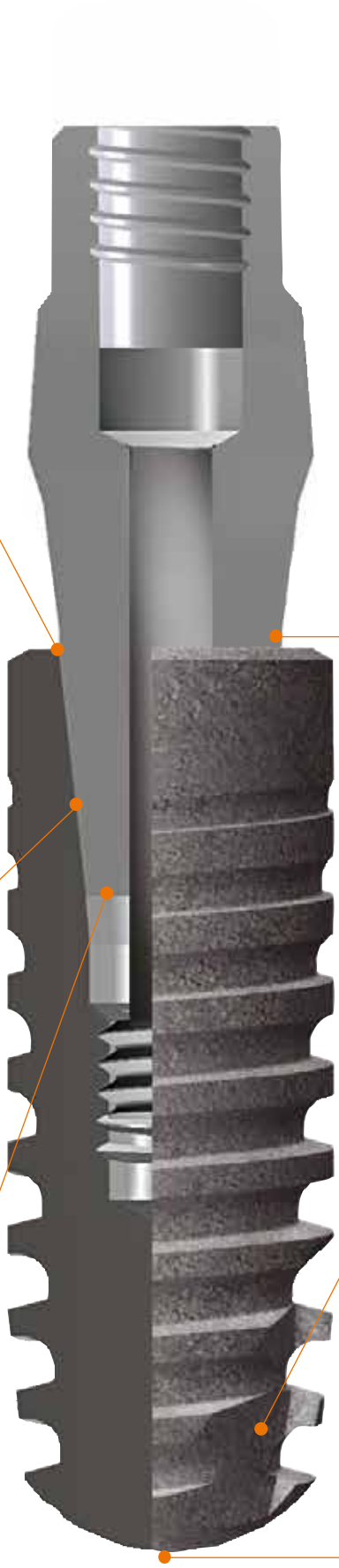
Titanium Grade 4 for optimal biocompatibility and excellent mechanical properties

Progressive thread design for increased primary stability

Deep platform switching provides an increased area for bone deposition (on the implant shoulder)

Self-locking, absolutely rotation-stable internal conical connection provides a virtually bacteria-proof seal

Free positioning of angled abutments through non-indexed conical connection



Can be inserted subcrestally by up to 2 mm if bone supply is adequate

Apical bevel for simplified insertion of the implant

Rounded implant tip for gentle sinus floor elevation

THE IMPLANTS

The myplant two implant system is a two-piece system based on state-of-the-art technology. The implants are manufactured from Grade 4 pure titanium according to ISO 5832-2. This material stands for the highest level of biocompatibility and outstanding mechanical properties, thus offering optimal conditions for secure osseointegration. Grade 4 pure titanium demonstrates a perfect combination of ductility and strength. It offers excellent corrosion resistance and does not contain any toxic constituents. Owing to its outstanding properties, Grade 4 pure titanium has been successfully employed as a material for implantology and general medical technology for over 25 years.

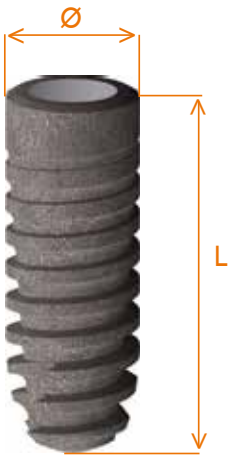
myplant two implants are available in three diameters and five different lengths. Due to the practice-oriented graduation of implant sizes the system is suitable for all indications in dental implantology, even in difficult bone conditions.

The letter and color coding system allows fast and safe identification of the various implant diameters. Corresponding instruments for the implant bed preparation are marked with the same color code.

Color coding

	Red	Implant diameter 3.5 mm
	Orange	Implant diameter 4.0 mm
	Yellow	Implant diameter 4.5 mm

The implant name includes a capital letter which, same as the colour, identifies the implant diameter. The following numbers define the length of the implant in millimeters.



L [mm] / Ø [mm]	6.6	8.0	9.5	11.0	14.0
3.5	A 6.6	A 8	A 9.5	A 11	A 14
4.0	M 6.6	M 8	M 9.5	M 11	M 14
4.5	B 6.6	B 8	B 9.5	B 11	B 14

INDICATIONS AT A GLANCE

IMPLANTS			PROSTHETICS		
myplant two	Length	Anterior | Canine | Premolar | Molar	Single Tooth	Bridge	Telescope Crowns | Ball Anchors | LOCATORS®
Ø 3.5 mm	 6.6 mm	✓*	X	✓	✓*
	 8.0 mm	✓	✓	✓	✓
	 9.5 mm	✓	✓	✓	✓
	 11.0 mm	✓	✓	✓	✓
	 14.0 mm	✓	✓	✓	✓
Ø 4.0 mm	 6.6 mm	✓*	X	✓	✓*
	 8.0 mm	✓	✓	✓	✓
	 9.5 mm	✓	✓	✓	✓
	 11.0 mm	✓	✓	✓	✓
	 14.0 mm	✓	✓	✓	✓
Ø 4.5 mm	 6.6 mm	✓*	X	✓	✓*
	 8.0 mm	✓	✓	✓	✓
	 9.5 mm	✓	✓	✓	✓
	 11.0 mm	✓	✓	✓	✓
	 14.0 mm	✓	✓	✓	✓

✓* Special indications for implants with 6.6 mm length:

Due to the reduced surface for anchorage in the bone, the implants with a length of 6.6 mm are only recommended for the following indications until appropriate clinical studies are available:

- In edentulous jaws: as auxiliary implant/supporting implant for implant-supported bar constructions or splinted bridges.
- Partially edentulous jaws: as auxiliary implant/supporting implant in connection with longer implants splinted to a suprastructure.

Important: Attention should be paid to the load distribution of the restoration.

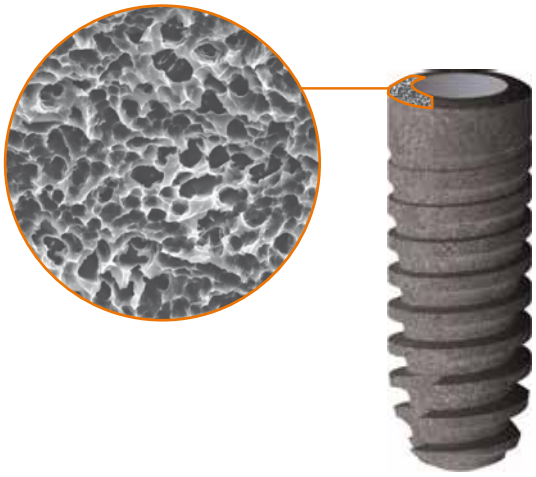
THE MACRO DESIGN

The thread design

The progressive thread design in combination with the three-stage preparation technique lead to very high primary stability, even in cases of average bone qualities. The thread depth increases in apical direction and shows an arch-shaped curve of the thread shanks, thus achieving favorable biomechanical load distribution into the bone. The apically enlarging thread depth allows good anchorage in differing bone qualities as well as promoting a bone stimulating load distribution during mastication. Vertical and lateral forces are primarily deflected to the elastic cancellous bone, whereas the cortical bone is relieved, which is essential for the long-term maintenance of the marginal bone level and the resulting esthetics. Stress concentration in the emergence area of the implant, as proven for implants with consistent threads, is thus avoided. The preparation technique and the special macro design are matched perfectly to the natural bone structure and result in high primary stability with maximum bone to implant contact, even when bone quality is compromised.

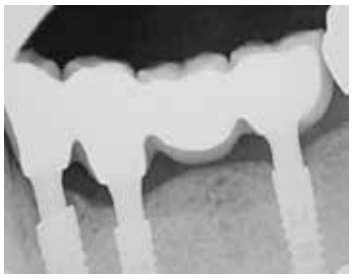
The implant surface

The enossal surface of the implants is blasted with corundum and thus creates a macro-roughness on the titanium surface. This is followed by acid etching adding a micro-roughness to the implant surface. The resulting maximum increase in surface area promotes the ongrowth of bone tissue, leading to a stable implant-bone connection and supporting the natural healing process. In contrast to many other systems, this surface treatment is also performed on the implant shoulder. Therefore a subcrestal implant insertion is possible which reduces stress during the healing period enabling a strong osseointegration and consequently offering superior support of peri-implant tissues.



SUBCRESTAL PLACEMENT

In contrast to most implant systems, the myplant two implant was developed specifically for subcrestal placement and can be inserted up to 2 mm below bone level if bone supply is adequate and taking into account the surrounding structures. This allows the crestal bone to grow over the implant shoulder up to the abutment diameter, which benefits increased implant stability and biological support of the peri-implant soft tissue. Various cover screws are available to avoid complete overgrowth of the implant with bone during submerged healing. Each implant packaging includes a sterile cover screw exceeding the implant by 1 mm.



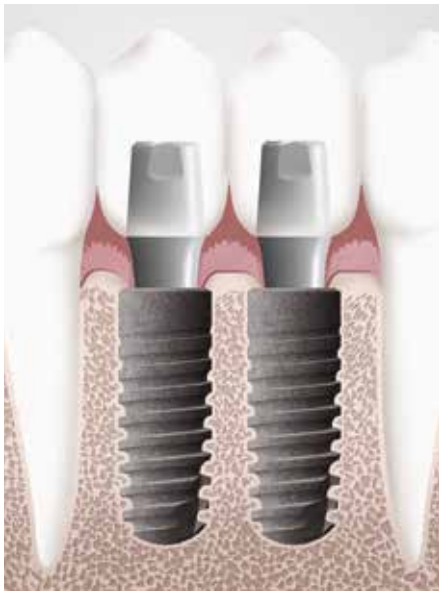
© Prof. Dr. med. dent. Georg-Hubertus Nentwig

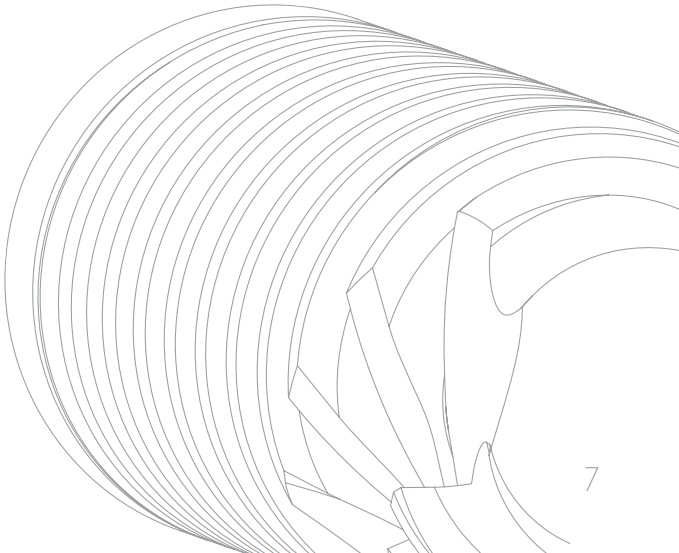
Note:
Subcrestal placement must be taken into consideration when selecting the length of the implant.

If epicrestal implant positioning is desired or indicated, a flush cover screw is available separately.

Stable soft tissue support

Deep platform switching and the resulting wide implant shoulder allow more interproximal space at the abutment level than non-conical connections. In combination with the bony deposition on the implant shoulder, this is decisive for establishing a stable and healthy soft tissue cuff and consequently for esthetics. Due to the enlarged interproximal space esthetically pleasing results can also be achieved with tightly placed implants.





THE PROSTHETIC CONCEPT

The key to successful prosthetics is a firm and tight tapered conical connection. The 360° rotation option of the prosthetic components ensures optimum positioning of angled abutments without making any compromise.

A major advantage of the interface is the fact that all implants have the same internal geometry, allowing each prosthetic component to fit into each implant. The choice of implant is made exclusively on the basis of the available bone and is not restricted by the prosthetics. This also keeps storage space and costs as low as possible. All indications, ranging from single crowns via bridges to partial dentures and implant-supported full dentures, can be restored with the various abutments.

Note:
The abutment screw is not removable from the (abutments.)

Standard | Shoulder | Titanium Base | Multi Unit | Ball Anchor | LOCATOR®

The different abutment series allow friction-based, screw-retained, bonded or cemented fixation to the corresponding abutments.

To enable cement-free mounting, both the straight as well as the angled abutments are equipped with occlusal screw channels. This not only allows improved esthetics due to deeper crown margins but also avoids the risk of cementitis.

A further alternative in conjunction with standard abutments is the friction-based retention of the superstructure via precisely fitting taper caps, which can be incorporated into the prosthesis without difficulties. Whether polymerized into acrylic or bonded into a tertiary structure, conical caps offer full flexibility.

The shoulder abutments offer the option of cementing or screw-retaining the prosthetic restoration. This offers the clinician the freedom to choose the attachment mode according to need and indication.

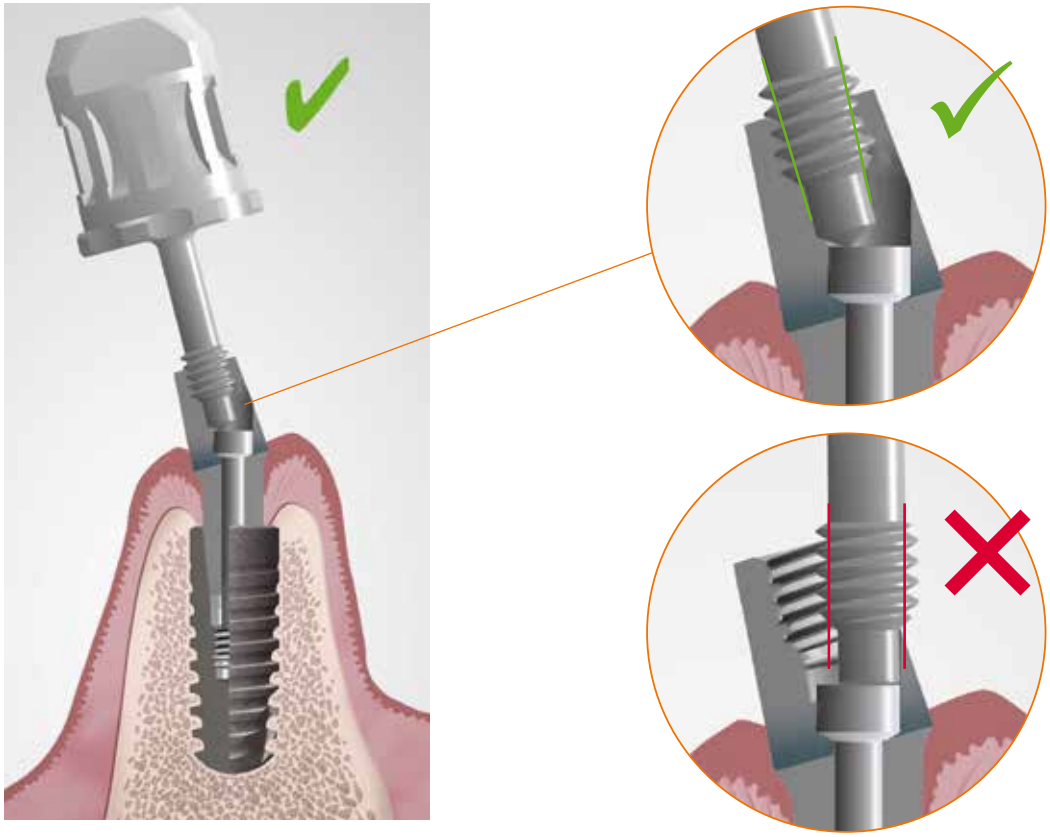
When fabricating individual all-ceramic restorations on the titanium base, the fabricated stump is bonded extraorally to the titanium base and the final restoration is fixated in the patient‘s mouth.

ABUTMENT REMOVAL

The self-locking cone enables an absolutely rotation-stable implant-abutment-connection which provides a virtually bacteria-proof seal. This connection can be disengaged again with the aid of the abutment remover.

First, the straining screw of the abutment is completely loosened with the screwdriver. The abutment remover is then screwed into the occlusal screw seat. Once resistance is felt, the abutment remover has made contact with the head of the abutment. If it is now rotated further with care, the abutment remover lifts the abutment out of the implant enabling it to be removed easily.

Note:
If the abutment screw is not loosened completely, the abutment remover could be blocked.
Shoud the abutment not come out easily the abutment remover should be disconnect and the screw driver used to fully loosen the straining screw and remove the abutment from the implant.



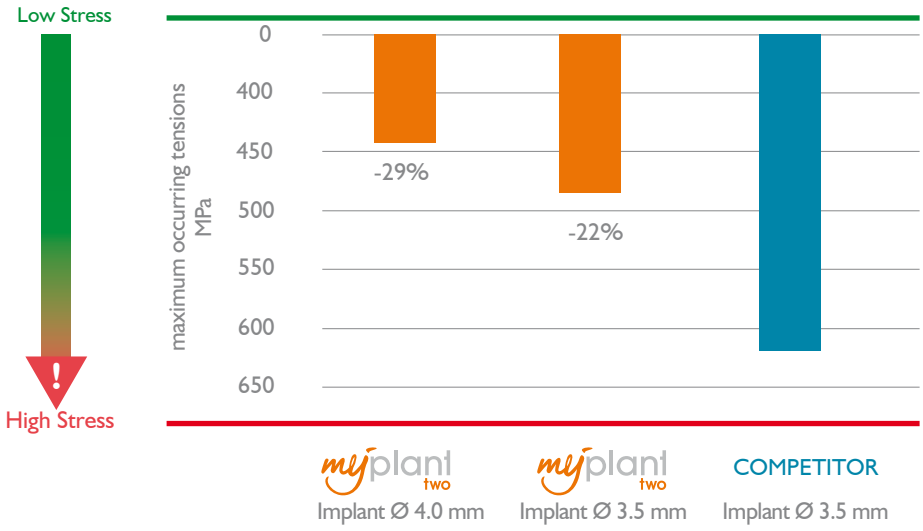
Important: To avoid jamming, it is essential to ensure that the abutment remover is screwed into the screw channel of the occlusal screw seat in the case of angled abutments.

HIGHLY RESILIENT ABUTMENT-IMPLANT CONNECTION

The special design of the myplant two system results in an outstanding mechanical load capacity with high fatigue strength. The design of the inner cone results in a highly resilient and virtually bacteria-proof connection between abutment and implant.

Significant stress reduction in the abutment

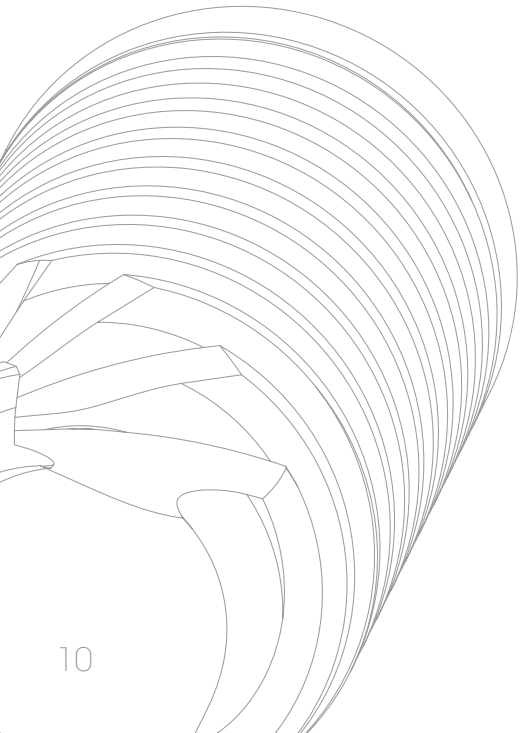
In combination with different implants



Load according to ISO14801 / 250 N

Standardized conical connection

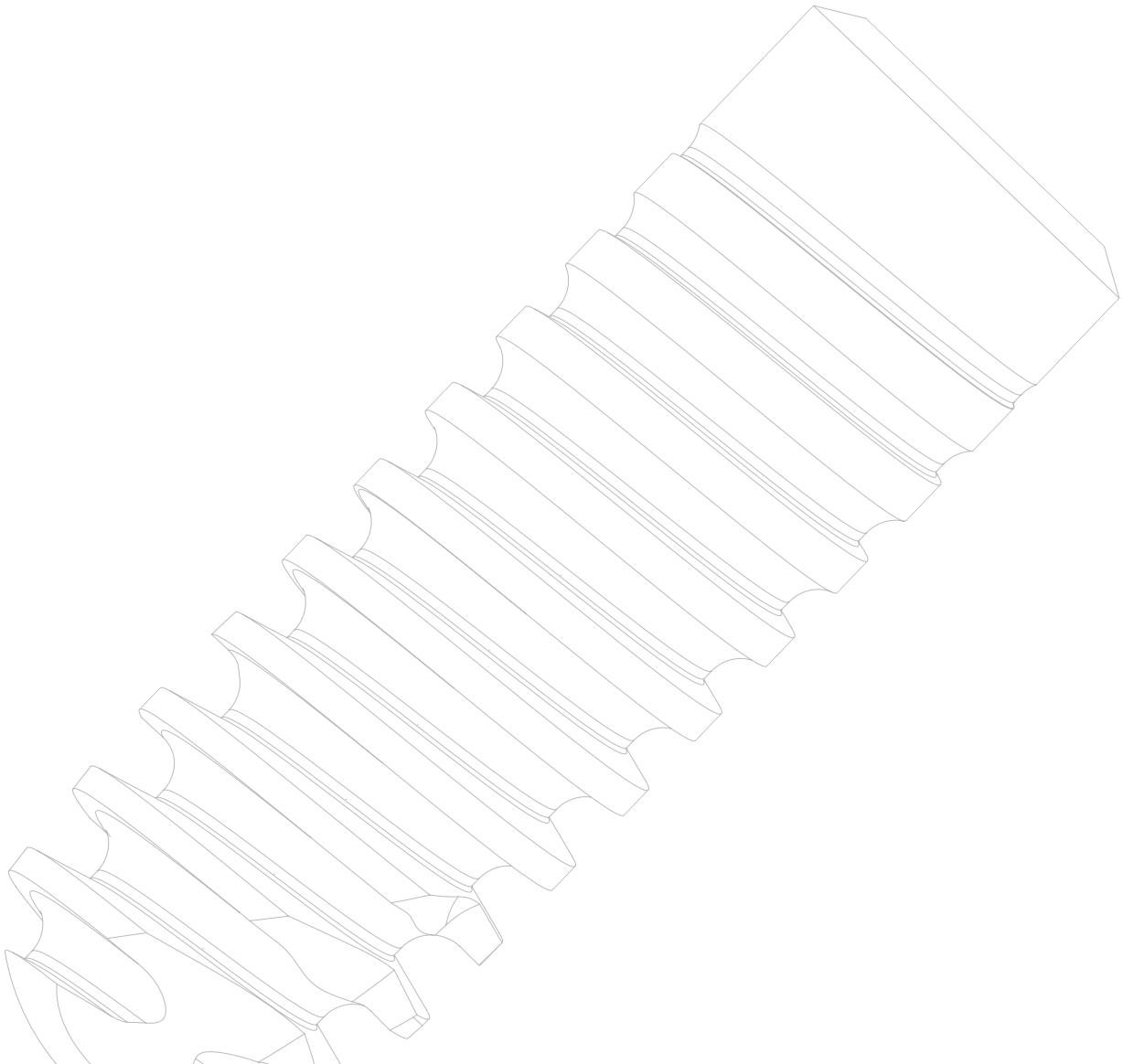
The non-indexed conical connection allows free positioning as well as simple parallel alignment of angled abutments.
Despite different implant diameters, all implants have a uniform prosthetic interface. As a result, the choice of implants can be made exclusively depending on the bone supply, while in the selection of the abutments, the focus can be completely placed on the prosthetic requirements. In addition, this results in a reduced prosthetic assortment and leads to lower storage requirements.



OPTIONS FOR PROSTHETIC RESTORATIONS

All restorations from single crowns via bridges to partial and full dentures can be tackled with the myplant two abutment portfolio. A major advantage is the unified abutment interface of all myplant two implants allowing each prosthetic component to fit into each implant. The different abutment types allow for a friction-retained, screwed, bonded or cemented attachment of the restorations.

Abutmenttype	Single Tooth	Bridge	Partial prosthesis	Total Prosthesis
Standard Abutment	✓	✓	✓	✓
Shoulder Abutment	✓	✓	-	-
Titanium Base	✓	✓	-	-
Multi Unit Abutment	-	✓	✓	✓
LOCATOR®	-	-	✓	✓
Ball Anchor	-	-	✓	✓



PRODUCTS

The drilling speeds and torques of the instruments and system components are summarised in the overviews on pages 43 and 44.

IMPLANTS

	A6.6	A8	A9.5	A11	A14
Ø (mm)	3.5	3.5	3.5	3.5	3.5
Length (mm)	6.6	8.0	9.5	11.0	14.0
Order No.	A3566	A3580	A3595	A3511	A3514

	M6.6	M8	M9.5	M11	M14
Ø (mm)	4.0	4.0	4.0	4,0	4.0
Length (mm)	6.6	8.0	9.5	11.0	14.0
Order No.	M4066	M4080	M4095	M4011	M4014

	B6.6	B8	B95	B11	B14
Ø (mm)	4.5	4.5	4.5	4.5	4.5
Length (mm)	6.6	8.0	9.5	11.0	14.0
Order No.	B4566	B4580	B4595	B4511	B4514

A sterile 1.0 mm high cover screw (Order No. PVS01) is supplied with all implants.

H=height ; GH=gingival height

PROSTHETIC COMPONENTS

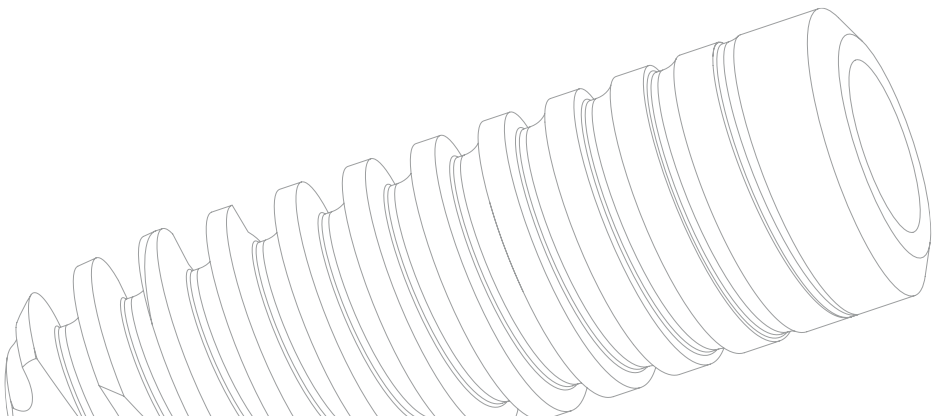
Cover Screws

Description	Cover Screw	Cover Screw	Cover Screw
	0 mm	1 mm	2 mm
Order No.	PVS00	PVS01	PVS02

Healing Abutments

Description	Healing Abutment Ø 4.2 mm	Healing Abutment Ø 4.2 mm	Healing Abutment Ø 4.2 mm
	GH 1.5 mm	GH 3.0 mm	GH 4.5 mm
Order No.	PGF15	PGF30	PGF45

Note: The abutment interface is identical for all myplant two implants. As a result, the listed cover screws and gingiva formers can be used for all implants.



H=height ; GH=gingival height

Transfer Post

Description	Transfer Post, S open tray	Transfer Post, L open tray
Order No.	PUP01	PUP02

The transfer posts are tightened by hand.

Repositioning Post

Description	Repositioning Post closed tray	Repositioning Post, narrow closed trayl
Order No.	PRP01	PRP02

The repositioning post is tightened by hand or with the aid of a screwdriver.

Implant Analog

Description	Implant Analog
Order No.	PLI01

H=height ; GH=gingival height

STANDARD ABUTMENTS

Abutments - straight

Description	Abutment 0° GH 1.5 mm, H 4.0 mm	Abutment 0° GH 3.0 mm, H 4.0 mm	Abutment 0° GH 4.5 mm, H 4.0 mm
Order No.	PAB01	PAB03	PAB05

Description	Abutment 0° GH 1.5 mm, H 6.0 mm	Abutment 0° GH 3.0 mm, H 6.0 mm	Abutment 0° GH 4.5 mm, H 6.0 mm
Order No.	PAB02	PAB04	PAB06

Note:
To enable cement-free mounting, both the straight as well as the angled abutments are equipped with occlusal screw seats.

Note:
With sufficient primary stability, a temporary immediate restoration can be achieved on the standard abutments with the aid of the healing caps. This requires a primary stability of >30 Ncm!

Note:
The abutment screw is not removable from the abutments.

Abutments - angled

Description	Abutment 15° GH 1.5 mm, H 4.0 mm	Abutment 15° GH 3.0 mm, H 4.0 mm
Order No.	PAB51	PAB53

Description	Abutment 15° GH 1.5 mm, H 6.0 mm	Abutment 15° GH 3.0 mm, H 6.0 mm
Order No.	PAB52	PAB54

H=height ; GH=gingival height

Transfer Caps


Description	Transfer Cap H 4.0 mm	Transfer Cap H 6.0 mm
Order No.	PAK01	PAK02

Healing Caps


Description	Healing Cap H 4.0 mm	Healing Cap H 6.0 mm
Order No.	PHK01	PHK02

Note:
The healing caps are used for the fabrication of temporary immediate restorations. Care must be taken to ensure that the temporary restorations are not exposed to occlusal stress.

Laboratory Analog one-piece




Description	Laboratory Analog one-piece 0° H 4.0 mm	Laboratory Analog one-piece 0° H 6.0 mm	Laboratory Analog one-piece 15° H 4.0 mm	Laboratory Analog one-piece 15° H 6.0 mm
Order No.	PLA04	PLA06	PLA54	PLA56

H=height ; GH=gingival height

Wax-Up Copings for straight and angled Abutments

Description	Wax-Up Coping H 4.0 mm	Wax-Up Coping H 6.0 mm	Wax-Up Coping Rotation Secured H 4.0 mm	Wax-Up Coping Rotation Secured H 6.0 mm
Order No.	PMK01	PMK02	PMK03	PMK04

Tapered Caps for straight and angled Abutments

Description	Taper Cap without Retention H 4.0 mm	Taper Cap without Retention H 6.0 mm	Taper Cap with Retention H 4.0 mm	Taper Cap with Retention H 6.0 mm
Order No.	PKK04	PKK06	PKK14	PKK16

Occlusal Screw

Description	Occlusal Screw
Order No.	POS01

Parallel Post

Description	Parallel Post for angled Abutments
Order No.	ZPS01

Note:
Connect the parallel posts to the occlusal screw seats of angled abutments to fascilitate a much easier parallel alignment between multiple abutments.

H=height ; GH=gingival height

TRIAL ABUTMENTS

Trial Abutment Kit (Order No. PAP00) contains the following articles:

Trial Abutments - straight

Description	Trial Abutment 0° GH 1.5 mm, H 4.0 mm	Trial Abutment 0° GH 1.5 mm, H 6.0 mm	Trial Abutment 0° GH 3.0 mm, H 4.0 mm	Trial Abutment 0° GH 3.0 mm, H 6.0 mm
Quantity / Kit	4	4	4	4
Order No.	PAP01	PAP02	PAP03	PAP04

Description	Trial Abutment 0° GH 4.5 mm, H 4.0 mm	Trial Abutment 0° GH 4.5 mm, H 6.0 mm
Quantity / Kit	4	4
Order No.	PAP05	PAP06

Trial Abutments - angled

Description	Trial Abutment 15° GH 1.5 mm, H 4.0 mm	Trial Abutment 15° GH 1.5 mm, H 6.0 mm	Trial Abutment 15° GH 3.0 mm, H 4.0 mm	Trial Abutment 15° GH 3.0 mm, H 6.0 mm
Quantity / Kit	4	4	4	4
Order No.	PAP51	PAP52	PAP53	PAP54

H=height ; GH=gingival height

SHOULDER ABUTMENTS

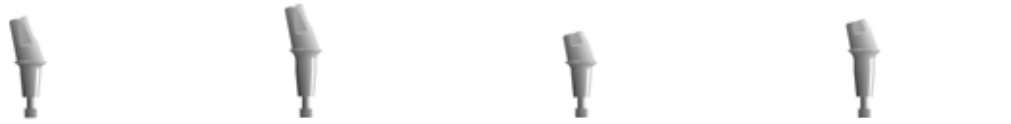
Abutments - straight

Description	Shoulder Abutment 0° Ø 5.7 mm GH 1.5 mm, H 6.0 mm	Shoulder Abutment 0° Ø 5.7 mm GH 3.0 mm, H 6.0 mm	Shoulder Abutment 0° Ø 5.7 mm GH 1.5 mm, H 4.0 mm	Shoulder Abutment 0° Ø 5.7 mm GH 3.0 mm, H 4.0 mm
Order No.	PSA01	PSA02	PSA05	PSA06

Description	Shoulder Abutment 0° Ø 4.3 mm GH 1.5 mm, H 6.0 mm	Shoulder Abutment 0° Ø 4.3 mm GH 3.0 mm, H 6.0 mm	Shoulder Abutment 0° Ø 4.3 mm GH 1.5 mm, H 4.0 mm	Shoulder Abutment 0° Ø 4.3 mm GH 3.0 mm, H 4.0 mm
Order No.	PSA11	PSA12	PSA15	PSA16

Abutments - angled

Description	Shoulder Abutment 15° Ø 5.7 mm GH 1.5 mm, H 6.0 mm	Shoulder Abutment 15° Ø 5.7 mm GH 3.0 mm, H 6.0 mm	Shoulder Abutment 15° Ø 5.7 mm GH 1.5 mm, H 4.0 mm	Shoulder Abutment 15° Ø 5.7 mm GH 3.0 mm, H 4.0 mm
Order No.	PSA51	PSA52	PSA55	PSA56



Description	Shoulder Abutment 15° Ø 4.3 mm GH 1.5 mm, H 6.0 mm	Shoulder Abutment 15° Ø 4.3 mm GH 3.0 mm, H 6.0 mm	Shoulder Abutment 15° Ø 4.3 mm GH 1.5 mm, H 4.0 mm	Shoulder Abutment 15° Ø 4.3mm GH 3.0 mm, H 4.0 mm
Order No.	PSA61	PSA62	PSA65	PSA66

H=height ; GH=gingival height

Healing Abutments

Description	Healing Abutment Ø 6.4 mm GH 1.5 mm, Ø 5.7 mm	Healing Abutment Ø 6.4 mm GH 3.0 mm, Ø 5.7 mm	Healing Abutment Ø 5.0 mm GH 1.5 mm, Ø 4.3 mm	Healing Abutment Ø 5.0 mm GH 3.0 mm, Ø 4.3 mm
Order No.	PGF21	PGF22	PGF71	PGF72

Occlusal Screw

Description	Occlusal Screw
Order No.	POS01

Parallel Post

Description	Parallel Post for angled Abutments
Order No.	ZPS01

H=height ; GH=gingival height

TITANIUM BASE

Abutments

Description	Titanium Base 0° GH 0.75mm, H 6.0 mm	Titanium Base 0° GH 1.5 mm, H 6.0 mm	Titanium Base 0° GH 3.0 mm, H 6.0 mm
Order No.	PTB01	PTB02	PTB03

Description	Titanium Base 0° GH 0.75 mm, H 4.0 mm	Titanium Base 0° GH 1.5 mm, H 4.0 mm	Titanium Base 0° GH 3.0 mm, H 4.0 mm
Order No.	PTB04	PTB05	PTB06

Scan Base

Description	Scan Base
Order No.	PSB11

Occlusal Screw

Description	Occlusal Screw - for Ceramics
Order No.	POSK1

Note:
The geometry of the occlusal screw - ceramic is designed such that shear stresses are avoided on the ceramic structure.

H=height ; GH=gingival height

MULTI UNIT ABUTMENT

Abutments

Description	Multi Unit Abutment 0° GH 1.5 mm	Multi Unit Abutment 0° GH 3.0 mm
Order No.	PMU01	PMU02

Accessories

Description	Retention Coping short	Retention Coping long
Order No.	PRK01	PRK02

Description	Occlusal Screw Multi Unit short	Occlusal Screw Multi Unit medium	Occlusal Screw Multi Unit long
Order No.	POSM1	POSM2	POSM3

Description	Gold Coping	Protective Cap	Laboratory Analog one-piece
Order No.	PSK01	PSKM1	PLAM1

Description	Screw Driver Multi Unit
Order No.	ZSDMU

H=height ; GH=gingival height

LOCATOR®

Abutments



Description	LOCATOR® GH 2.0 mm	LOCATOR® GH 3.0 mm	LOCATOR® GH 4.0 mm
Order No.	PLOC2	PLOC3	PLOC4

Accessories

Description	LOCATOR Impression Coping
packed a	4
Order No.	PAKL1




Description	LOCATOR Female Analog Ø 4.0 mm	LOCATOR Male Processing Package	LOCATOR Male Processing Package	Black Processing Replacement Male
packed a	4	2	2	4
Order No.	PLAL1	PLLS1	PLLS2	PLPE1


Description	LOCATOR Block-Out Spacer	LOCATOR Processing Spacer	LOCATOR Abutment Retaining Sleeve	LOCATOR Parallel Post
packed a	20	4	4	4
Order No.	PLAR1	PLDH1	PLAH1	ZPP01



Description	LOCATOR Torque Wrench Driver	LOCATOR Torque Wrench Driver	LOCATOR Core Tool
Length	15 mm	21 mm	
Order No.	ZEIL1	ZEIL2	ZCT01

H=height ; GH=gingival height

BALL ANCHOR

Abutments



Description	Ball Anchor GH 1.5 mm	Ball Anchor GH 3.0 mm	Ball Anchor GH 4.5 mm
Order No.	PKA01	PKA02	PKA03

Accessories




Description	Laboratory Analog Ball Anchor	Matrix Ball Anchor 0.5 kg	Matrix Ball Anchor 1.0 kg	Matrix Ball Anchor 1.5 kg
Packed a	1	2	2	2
Order No.	PLAK1	PMAK1	PMAK2	PMAK3




Description	O-Ring red 0.5 kg	O-Ring blue 1.0 kg	O-Ring black 1.5 kg	Seating Instrument Ball Anchor
Packed a	2	2	2	1
Order No.	PKOR1	PKOR2	PKOR3	ZEIK1

H=height ; GH=gingival height

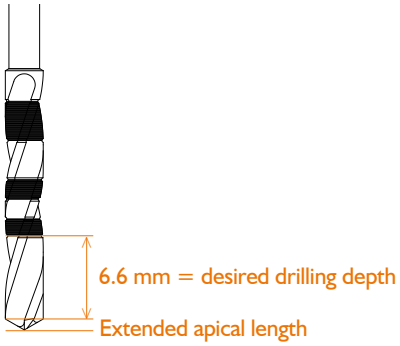
SURGICAL INSTRUMENTS

EXTENDED APICAL LENGTHS

When preparing the implant bed, one should take into account that the effective drilling depth varies apically by 0.4 - 0.6 mm and, depending on the diameter of the implant drill, is deeper than the desired implant length. This additional length must already be taken into account during the planning phase.

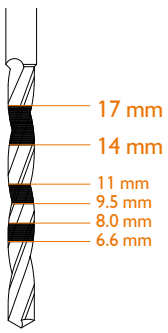
Tri-Spade Drill A	Tri-Spade Drill M	Tri-Spade Drill B
0.4 mm	0.5 mm	0.6 mm

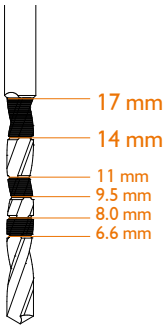
An example of extended apical length



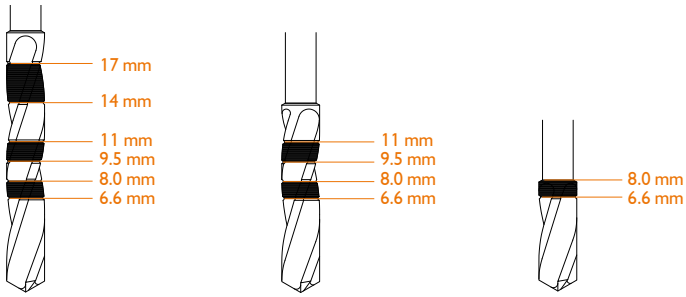
EXPLANATION OF LASER MARKINGS

Twist drills

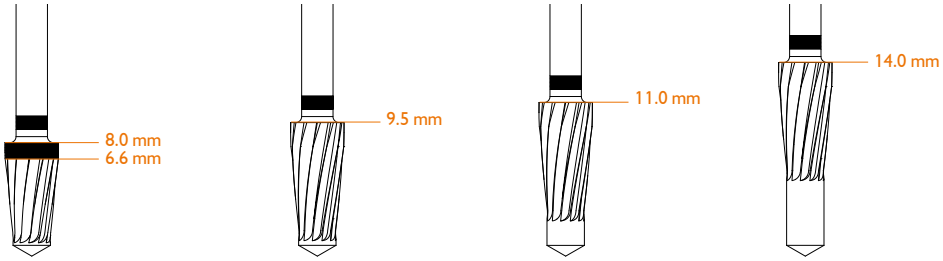




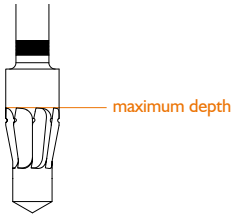
Tri-Spade Drills



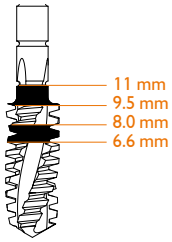
Conical Reamer



Cortical Countersink



Tap



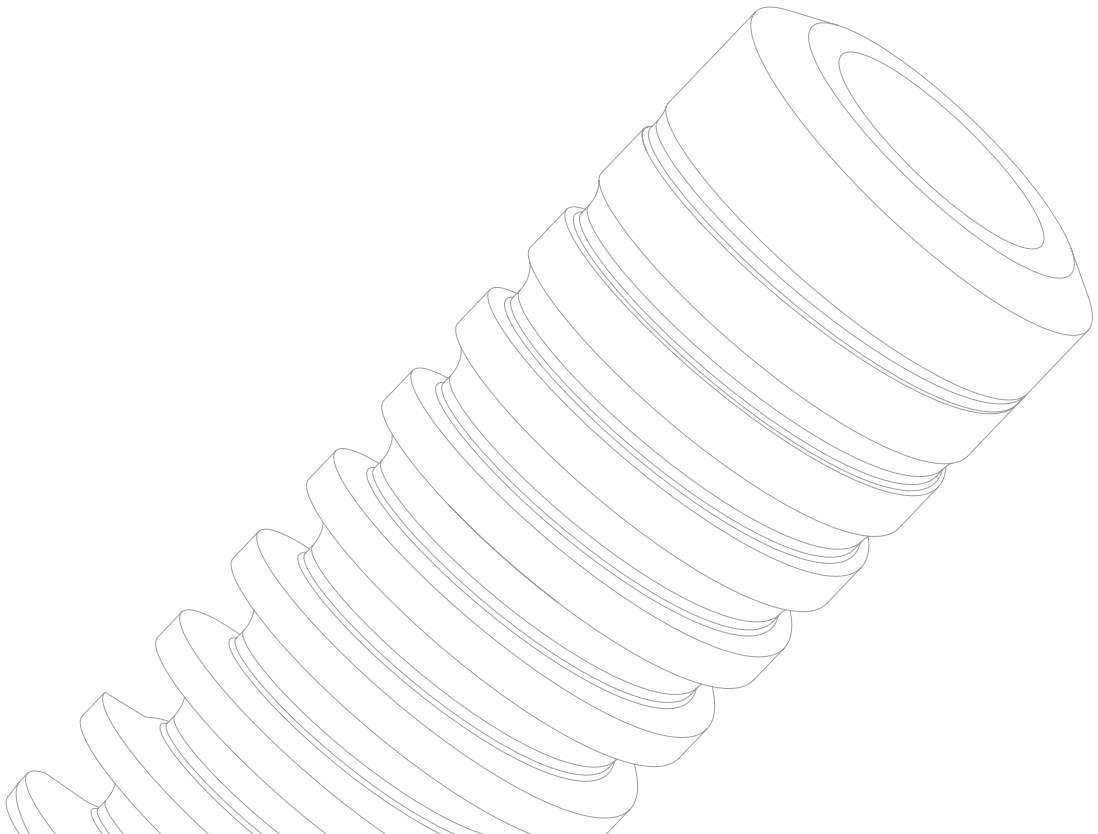
General Instruments

Description	Round Drill	Initial Bur short	Initial Bur long	Parallel Gauge
Order No.	0RB01	0IB01	0IB02	ORL01

Suitable for all implant Ø

Description	Twist Drill long	Twist Drill short	Drill Extension	High Torque Drill Extension
Order No.	0SB01	0SB02	ZBV01	ZBV02

Suitable for all implant Ø



Tri-Spade Drill

A Ø 3.5 mm

Description	Tri-Spade Drill A XS	Tri-Spade Drill A S	Tri-Spade Drill A M
Order No.	ATS01	ATS02	ATS03

M Ø 4.0 mm

Description	Tri-Spade Drill M XS	Tri-Spade Drill M S	Tri-Spade Drill M M
Order No.	MTS01	MTS02	MTS03

B Ø 4.5 mm

Description	Tri-Spade Drill B XS	Tri-Spade Drill B S	Tri-Spade Drill B M
Order No.	BTS01	BTS02	BTS03

Conical Reamer

Description	Conical Reamer A 6.6 mm / 8.0 mm	Conical Reamer A 9.5 mm	Conical Reamer A 11.0 mm	Conical Reamer A 14.0 mm
Order No.	AKA01	AKA02	AKA03	AKA04

A Ø 3.5 mm

Description	Conical Reamer M 6.6 mm / 8.0 mm	Conical Reamer M 9.5 mm	Conical Reamer M 11.0 mm	Conical Reamer M 14.0 mm
Order No.	MKA01	MKA02	MKA03	MKA04

M Ø 4.0 mm

Description	Conical Reamer B 6.6 mm / 8.0 mm	Conical Reamer B 9.5 mm	Conical Reamer B 11.0 mm	Conical Reamer B 14.0 mm
Order No.	BKA01	BKA02	BKA03	BKA04

B Ø 4.5 mm

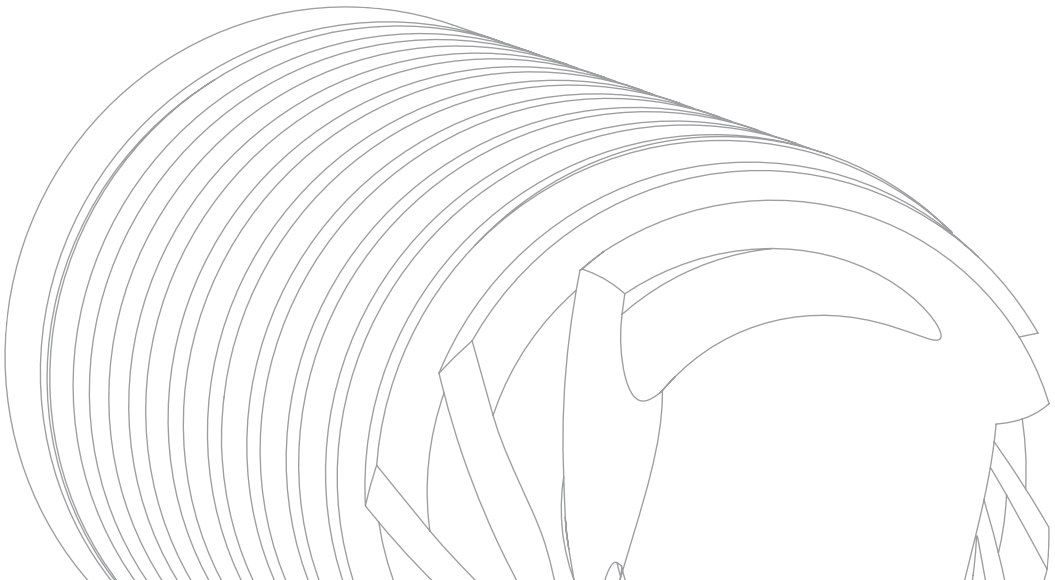
Note:
This is an optional drill which can be used in cases of a very thick cortical plate to reduce mechanical pressure.

Cortical Countersink

Description Order No.	Cortical Countersink A AKS01	Cortical Countersink M MKS01	Cortical Countersink B BKS01

Tap

Description Order No.	Tap A (Ø 3.5 mm) AGS01	Tap M (Ø 4.0 mm) MGS04	Tap B (Ø 4.5 mm) BGS02



ACCESSORIES

Description	Ratchet	Torque Indicator	Torque Ratchet
Order No.	ZRA01	ZDMA1	ZRA02

Description	Open-end Wrench	High Torque Adapter S	High Torque Adapter M
Order No.	ZGS01	ZHT0S	ZHT0M

Further Accessories

Description	Screw Driver S	Screw Driver L	Screw Driver short one-piece
Order No.	ZSD0S	ZSD0L	ZSD1S

Description	Drill Extension	High Torque Drill Extension
Order No.	ZBV01	ZBV02

Description	Seating Instrument M	Seating Instrument L	Seating Instrument S Right Angle	Seating Instrument L Right Angle
Order No.	ZEI0M	ZEI0L	ZEI01	ZEI02

Note:
Check the O-ring before each use of the seating instruments. This must be replaced if damaged or worn. There is a risk that the grip between insertion instrument and implant will not be sufficient.

Description packed a	Replacement O-Ring 10
Order No.	ZEIOR

Description	Abutment Remover	Abutment Remover S Right Angle	Abutment Remover L Right Angle
Order No.	ZAI01	ZAI51	ZAI52

Note:
The self-locking cone enables an absolutely rotation-stable connection to the implant which provides a virtually bacteria-proof seal.
This connection can be dis-engaged again with the aid of the abutment remover.

Description	Reverse Implant Driver
Order No.	ZRDI1

Description	Cover Screw Remover short	Cover Screw Remover long
Order No.	ZAD01	ZAD02

Description	Handwheel for Ratchet Insert	Handwheel	Handle for Laboratory
Order No.	ZHR01	ZHR02	ZHG01

SURGICAL KITS

All instruments for surgical use are available in the myplant two surgical kit. This allows for particularly structured and user-friendly storage and the color coding of the instruments facilitates orientation during implant surgery.

1. Torque Ratchet
Order No. ZDMA1

2. Ratchet
Order No. ZRA01

3. Open-end Wrench
Order No. ZGS01

4. Round Drill
Order No. ORB01

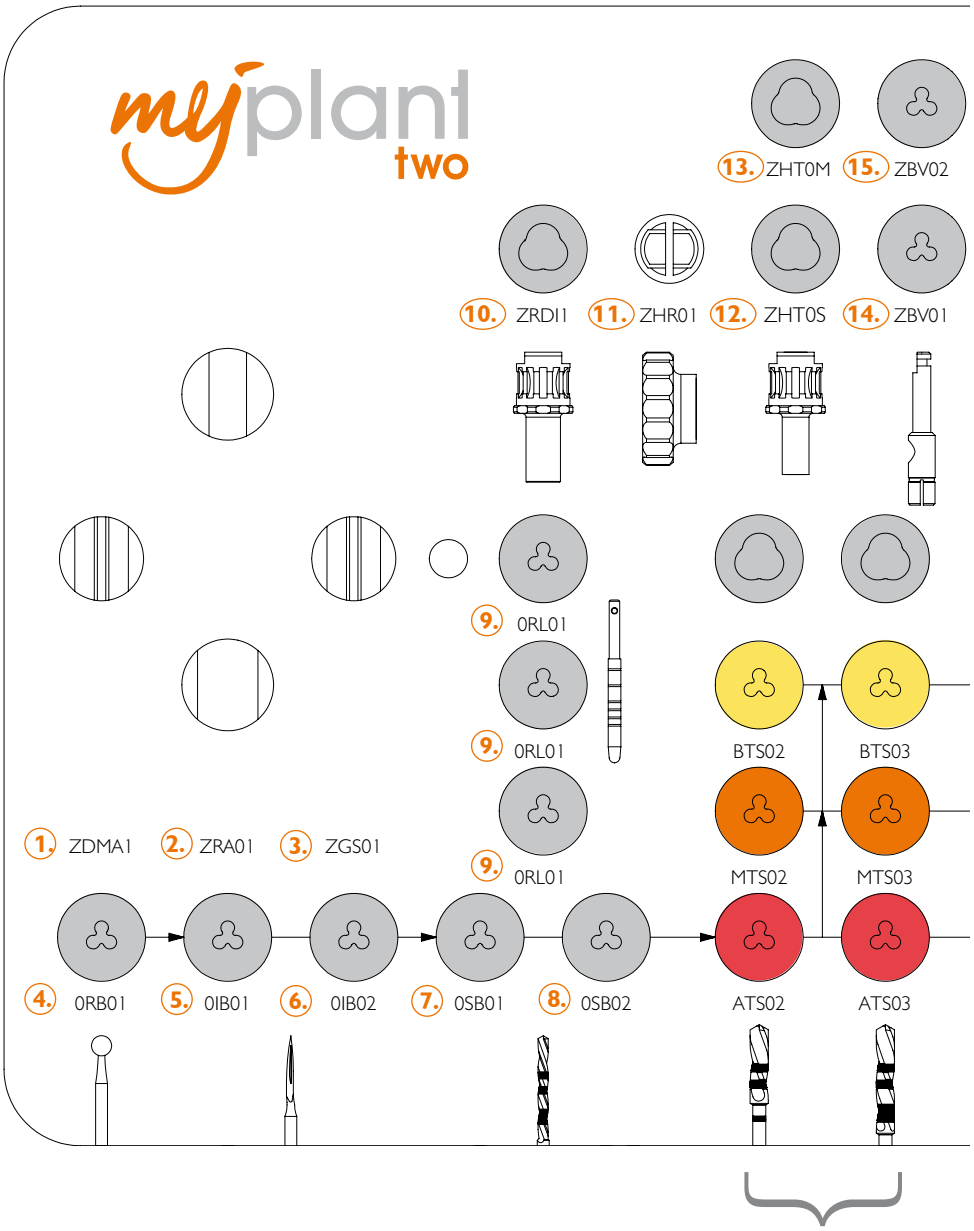
5. Initial Bur
Order No. OIB01

6. Initial Bur long
Order No. OIB02

7. Twist Drill
Order No. OSB01

8. Twist Drill short
Order No. OSB02

9.Parallel Gauge
Order No. ORL01 (3x)



Tri-Spade Drill
AØ 3.5: Order No. ATS01/ ATS02/ ATS03
MØ 4.0: Order No. MTS01/ MTS02/ MTS03
BØ 4.5: Order No. BTS01/ BTS02/ BTS03

10. Reverse Implant Driver
Order No. ZRDI1

11. Handwheel
Order No. ZHR01

12. High Torque Adapter
Order No. ZHT0S

13. High Torque Adapter
Order No. ZHT0M

14. Drill Extension
Order No. ZBV01

15. High Torque Drill Extension
Order No. ZBV02

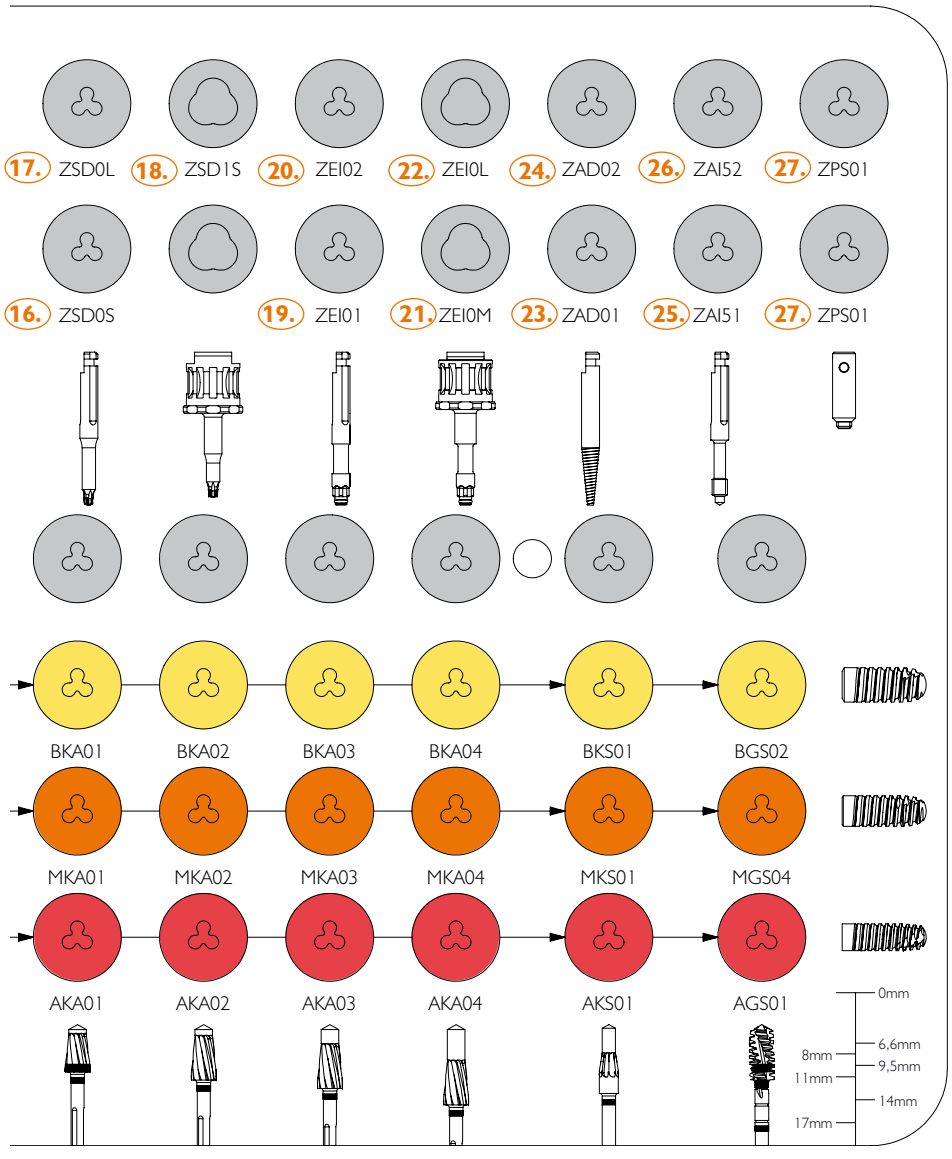
16. Screw Driver Right Angle short
Order No. ZSD0S

17. Screw Driver Right Angle long
Order No. ZSD0L

18. Screw Driver one-piece
Order No. ZSD1S

19. Seating Instrument Right Angle short
Order No. ZEI01

Description	Surgical Kit
Order No.	0CK01



Instruments for Implants with Ø 4.5 mm

Instruments for Implants with Ø 4.0 mm

Instruments for Implants with Ø 3.5 mm

Conical Reamer
AØ 3.5: Order No. AKA01/ AKA02/ AKA03/ AKA04
MØ 4.0: Order No. MKA01/ MKA02/ MKA03/ MKA04
BØ 4.5: Order No. BKA01/ BKA02/ BKA03/ BKA04

Cortical Countersink
Order No.
AKS01/MKS01/BKS01

Tap
Order No.
AGS01 / MGS04 / BGS02

20. Seating Instrument Right Angle long
Order No. ZEI02

21. Seating Instrument short
Order No. ZEI0M

22. Seating Instrument long
Order No. ZEI0L

23. Cover Screw Remover short
Order No. ZAD01

24. Cover Screw Remover
Order No. ZAD02

25. Abutment Remover Right Angle short
Order No. ZAI51

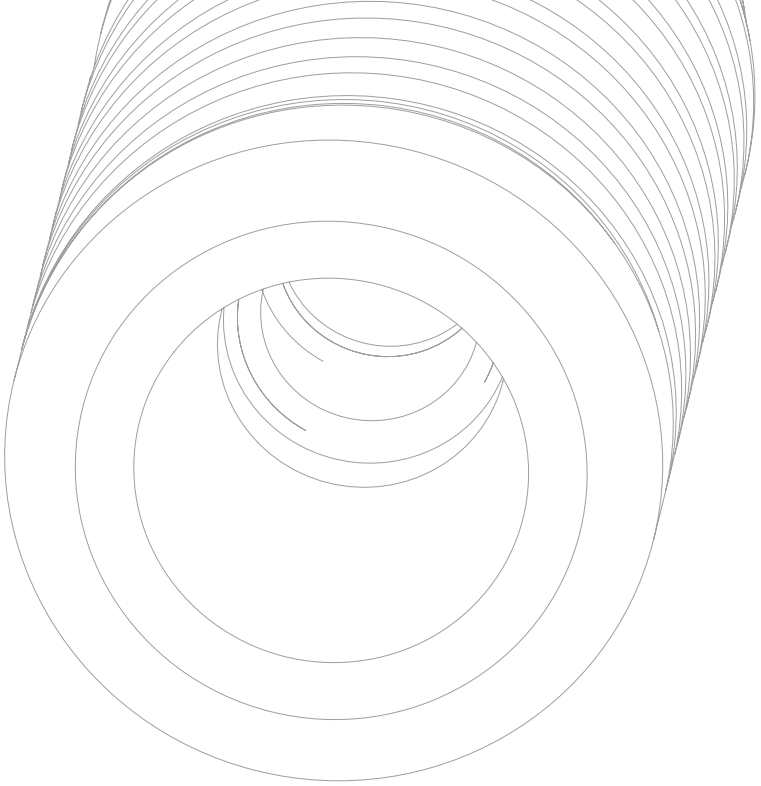
26. Abutment Remover Right Angle long
Order No. ZAI52

27. Parallel Post
Order No. ZPS01 (x2)

Surgical Kit (Order No. CKB40) contains the following articles:

Description	Seating Instrument M	Seating Instrument Right Angle	Screw Driver S	Reverse Implant Driver
Quantity / Kit	1	1	1	1
Order No.	ZEI0M	ZEI01	ZSD0S	ZRDI1

Description	High Torque Adapter M	Drill Extension	Initial Bur short	Twist Drill	Open-end Wrench
Quantity / Kit	1	1	1	1	1
Order No.	ZHT0M	ZBV01	0IB01	0SB01	ZGS01



Description	Tri-Spade A XS	Tri-Spade A M	Tri-Spade M XS	Tri-Spade M M
Quantity / Kit	1	1	1	1
Order No.	ATS01	ATS03	MTS01	MTS03

Description	Conical Reamer M 6.6 mm / 8.0 mm	Conical Reamer M 9.5 mm	Conical Reamer M 11.0 mm	Conical Reamer M 14.0 mm	Tap M
Quantity / Kit	1	1	1	1	1
Order No.	MKA01	MKA02	MKA03	MKA04	MGS04

PROSTHETIC KITS

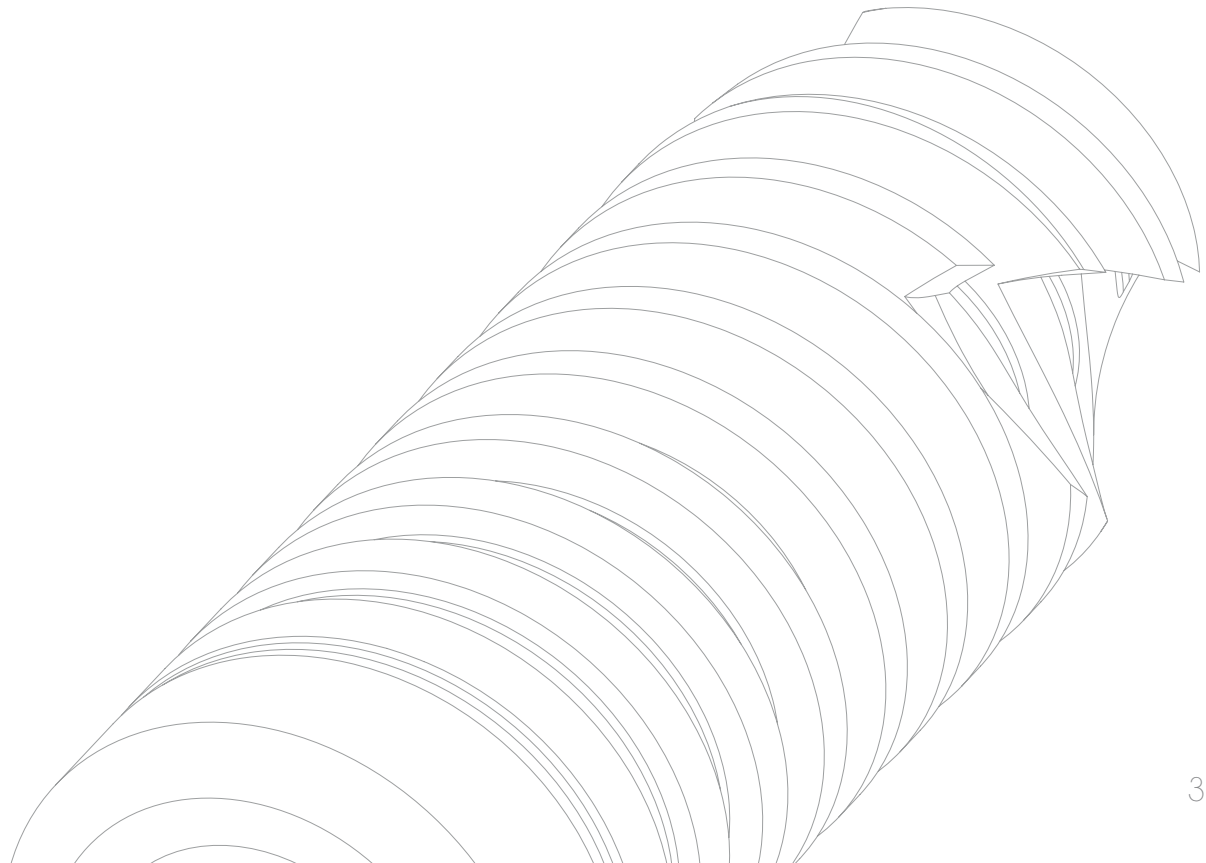
Prosthetic Kit (Order No. PPB01) contains the following articles:

Description	Torque Ratchet	Screw Driver one-piece	Screw Driver S	Screw Driver L	Cover Screw Remover short	Cover Screw Remover long
Quantity / Kit	1	1	1	1	1	1
Order No.	ZRA02	ZSD1S	ZSD0S	ZSD0L	ZAD01	ZAD02

Description	High Torque Adapter M	Handwheel	Seating Instrument Ball Anchor	Positioning Key	Parallel Post
Quantity / Kit	1	1	1	1	2
Order No.	ZHT0M	ZHR01	ZEIK1	ZAPS1	ZPS01

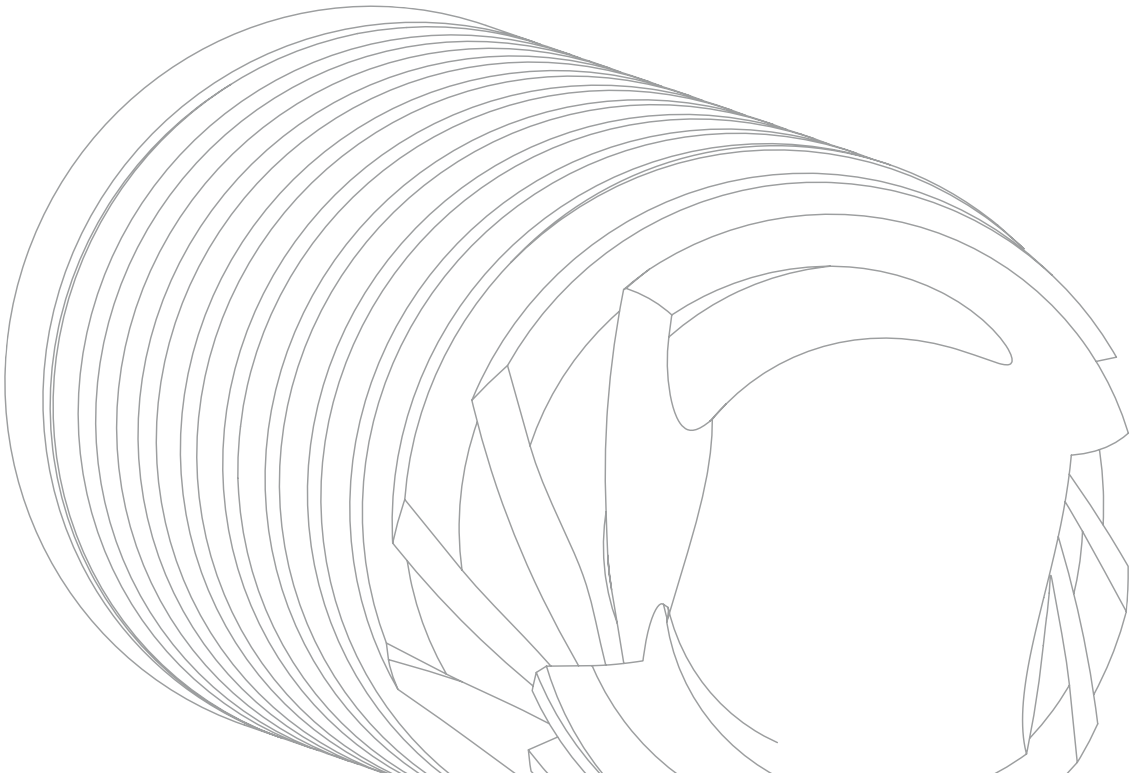
Laboratory Kit (Order No. PLB01) contains the following articles:

Description	High Torque Adapter M	Screw Driver S	Screw Driver L	Handwheel
Quantity / Kit	1	1	1	1
Order No.	ZHT0M	ZSD0S	ZSD0L	ZHR01



Drill-Stop-Control myplant two (Order No. BDSMP) contains the following articles:

Description	Twist Drill	Twist Drill	Twist Drill	Twist Drill
Ø in mm	020	024	029	033
Quantity / Kit	1	1	1	1
Order No.	TDS18	TDS18	TDS18	TDS18






Description	Drill Sleeve	Drill Sleeve	Drill Sleeve	Drill Sleeve
Length in mm	6.0	7.0	9.0	10.0
Quantity / Kit	1	1	1	1
Order No.	CL050	CL051	CL052	CL053

Note:
All drill sleeves can be combined with the listed twist drills.




Description	Drill Sleeve	Drill Sleeve	Drill Sleeve	Drill Sleeve
Length in mm	11.0	12.0	13.0	14.0
Quantity / Kit	1	1	1	1
Order No.	CL054	CL055	CL056	CL057

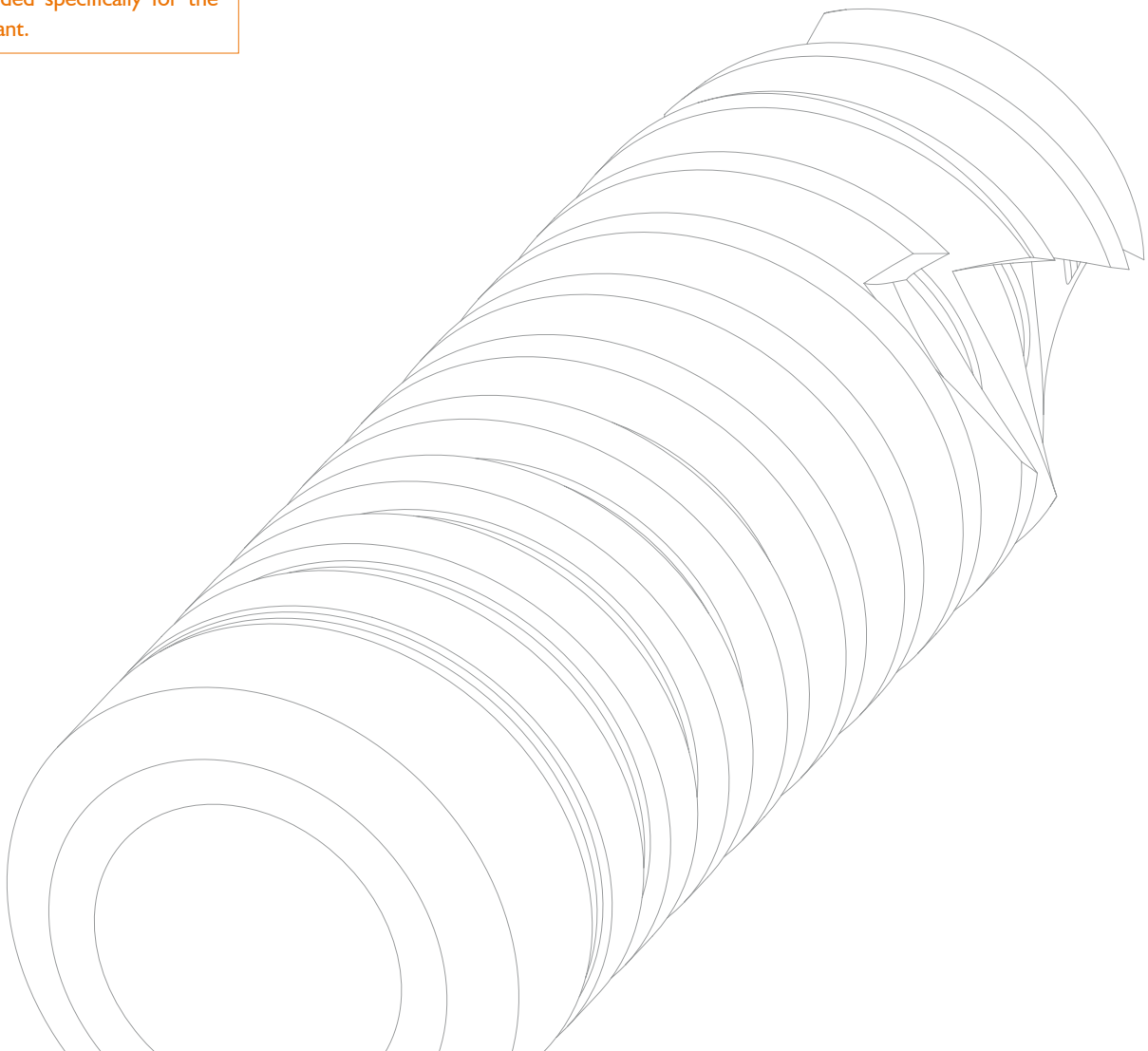
FURTHER INFORMATION

INSTRUMENT PORTFOLIO

Taking the anatomical and spatial conditions into account, the suitable position and number of implants, as well as corresponding implant diameters and a suitable implant length are to be selected individually for every patient.

A systematic surgical technique for preparing the implant bed was developed for elevated primary stability (EPS). The implant bed can be prepared in three steps, adapted to the given bone quality. This leads to an optimization of the primary stability and expands the possibilities for immediate restorations.

Note:
The instruments are supplied non-sterile. Prior to being used, the instruments must be checked for operational suitability. Please also observe the „General Instructions on Use and Safety Notes for MEISINGER products in the medical field“ and the „Notes on Reprocessing (cleaning, disinfection and sterilization) of medical devices by Hager & Meisinger GmbH“. Care should be taken to use the instruments intended specifically for the implant variant.



QUICK OVERVIEW OF SURGICAL PROCEDURE

	Ø 3.5 mm	Ø 4.0 mm	Ø 4.5 mm	opt. rotary speed	Torque
Smoothing of the Alveolar Ridge	Round Drill 0RB01			2.000 min^{-1}	-
Initial Drilling	Initial Bur 0IB01 0IB02			1.000 min^{-1}	-
Pilot Drilling Ø 2.0 mm	Twist Drill 0SB01 0SB02			800 min^{-1}	-
1. Expansion of the implant bed Ø 2.4 mm for A, M & B Implants	Tri-Spade Drill A ATS01 ATS02 ATS03			800 min^{-1}	-
2. Expansion of the implant bed Ø 2.9 mm for M & B Implants		Tri-Spade Drill M MTS01 MTS02 MTS03		800 min^{-1}	-
3. Expansion of the implant bed Ø 3.3 mm for B Implants			Tri-Spade Drill B BTS01 BTS02 BTS03	800 min^{-1}	-
Conical Expansion of the implant bed	Conical Reamer A AKA01 / AKA02 / AKA03 / AKA04	Conical Reamer M MKA01 / MKA02 / MKA03 / MKA04	Conical Reamer B BKA01 / BKA02 / BKA03 / BKA04	50 min^{-1}	max. 50 Ncm
Optional: Conical Extension of the Implant bed for low bone qualities and/or thick cortical plates	Cortical Countersink A AKS01	Cortical Countersink B MKS01	Cortical Countersink C BKS01	50 min^{-1}	max. 50 Ncm
Pretapping the Implant Thread	Tap A AGS01	Tap M MGS04	Tap B BGS02	15 min^{-1}	max. 50 Ncm
Implant Insertion	Implant A A3566 / A3580 / A3595 / A3511 / A3514	Implant M M4066 / M4080 / M4095 / M4011 / M4014	Implant B B4566 / B4580 / B4595 / B4511 / B4514	15 min^{-1}	max. 50 Ncm

RECOMMENDED TORQUES FOR THE MYPLANT TWO PROSTHETICS

	Product	Torque
	Cover Screw	5 - 7 Ncm
	Healing Abutment	
	Transfer Post	
	Repositioning Post	
	Scan Base	
	Protective Cap	
	Occlusal Screw	10 Ncm
	Occlusal Screw for Ceramics	
	Occlusal Screw for Multi Unit	
	Standard Abutment	15 Ncm
	Shoulder Abutment	
	Titanium Base	
	Multi Unit Abutment	25 Ncm
	LOCATOR®	
	Ball Anchor	

Note: The images are examples only. The torque specifications are valid for all variants of the products mentioned.

MATERIAL OVERVIEW

UNALLOYED TITANIUM GRADE 4

Titanium Grade 4 is used for implants and abutments.

Chemical composition

O	Fe	C	N	H	Ti
0.4% max.	0.5% max.	0.08% max.	0.05% max.	0.015% max.	Rest

Technical notes

The titanium Grade 4 material complies with the standards ISO 5832-2 and ASTM F67.

TITANIUM ALLOY GRADE 5-ELI / GRADE 23

Titanium alloy Grade 5-ELI / Grade 23 is used for abutments.

Chemical composition

Al	V	O	Fe	H	C	N	Ti
5.5-6.5% max.	3.5-4.5% max	0.13% max	0.25% max.	0.012% max	0.08% max.	0.05% max	Rest

Technical notes

The titanium alloy Grade 5-ELI material complies with the standards ISO 5832-3 and ASTM F136.

STAINLESS STEEL 1.4197

Stainless steel 1.4197 is used for instruments for implant bed preparation.

Chemical composition

Cr	Mn	Mo	Si	Ni	C	S	P
12.5-14.0% max.	2.00% max.	1.00-1.50% max.	1.00% max.	0.75-1.50% max.	0.20-0.26% max.	0.15-0.27% max.	0.04% max.

Technical notes

The stainless steel 1.4197 material complies with the standards ISO 13504 and ASTM F899.

IMPORTANT NOTES ON MYPLANT'S ORDERING SERVICES

ORDER LINE AND SERVICE HOTLINE

We are at your service during the following times:

Monday – Thursday	8 a.m. – 6 p.m. Central European Time
Friday	8 a.m. – 5 p.m. Central European Time

DELIVERY SERVICE

Deliveries within the European Union will take place within three days.
Information regarding deliveries outside the European Union can be provided upon request.

RETURNS

- Only unused and unopened goods in original packaging.
- Within 30 days (valid from invoicing date) in conjunction with a copy invoice.

MYPLANT TWO IMPLANT GUARANTEE

The myplant two guarantee from myplant GmbH includes a lifetime warranty on all implants in their product portfolio. This applies to manufacturing and material faults as well as implants which have not osseo-integrated. Implants will be replaced free of charge by Hager & Meisinger GmbH.

EXCLUSION CRITERIA

Hager & Meisinger GmbH rejects any type of warranty or claims for damages due to inappropriate handling and non-compliance with the manufacturer‘s instructions.
Responsibility lies exclusively with the user and clinician.

OTHER EXCLUSION CRITERIA

Loss of implant due to external causes (accidents, trauma, incorrect treatment, etc.).
Loss of implant due to non-compliance with contraindications (intake of medication, abuse of drugs and alcohol, consumption of tobacco, physical disorders). Detailed information is given in the instructions for use.
Additional claims and subsequent damages, for example, laboratory costs and clinical follow-up treatment are excluded from warranty.

GUIDELINES

All myplant two items are to be used according to the instructions for use provided by the manufacturer. The use of non-original components as well as any type of modification may impair the function of the myplant two implant system and precludes any guarantee or replacement by Hager & Meisinger GmbH. This applies in particular to other application procedures that have not been recommended. System faults by mistaking tools and implants are to be minimized. Therefore, color coding and/or labelling should be observed. The processing and application of myplant two products takes place outside our control and is solely subject to the responsibility of the user. Any liability for such caused damages is excluded. Technical advice on the application of our products is verbal, in writing, via electronic media or demonstrations. This is based on state-of-the-art science and technology as known to us at the time of going to market. It does not absolve the user from the duty of personally checking the product, its indication-relevant suitability and training in the field of dento-alveolar surgery/implantology.

AVAILABILITY

Some of the myplant two products given in this documentation may not be available in all countries. Detailed information is available upon request from myplant GmbH.

ATTENTION

In addition to the warnings given in this document, our products are to be secured against aspiration when used intra-orally. Please observe the appropriate instructions for use as well as the manual for surgical and prosthetic procedures.

VALIDITY

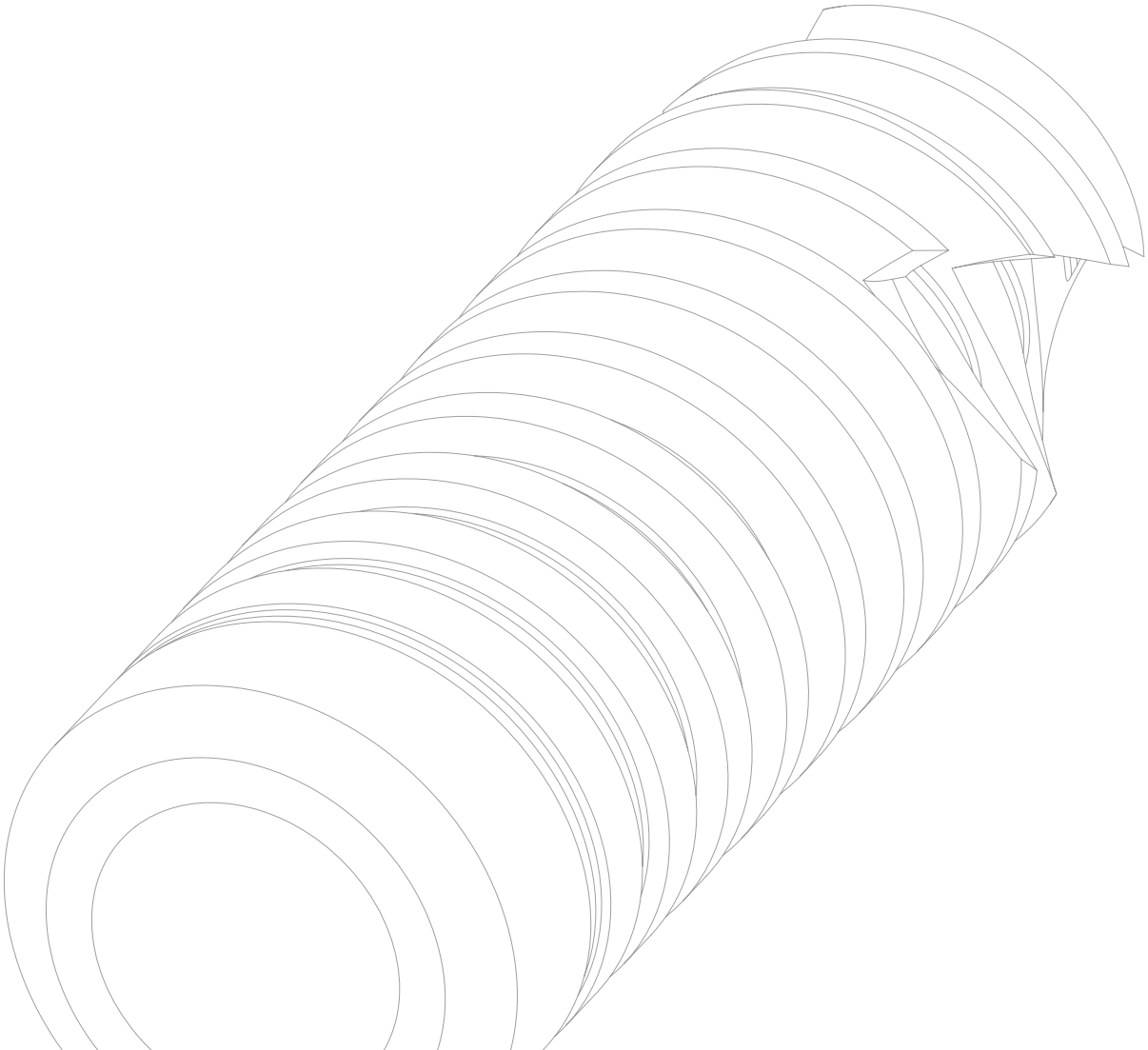
The publication of this document voids all previous versions.

DOCUMENTATION

For further information on myplant two products, please refer to the relevant instructions for use or contact your myplant two representative.

REGULATORY REQUIREMENTS

Meisinger stands for high quality medical devices since 1888. The quality management system of a company which manufactures medical devices must meet specific special requirements. These extremely high requirements are defined in ISO 13485 and meticulously complied with by our company. A MDSAP certificate according to ISO 13485:2016 confirms compliance with the requirements of international authorities in the USA (FDA), Canada (Health Canada), Australia (TGR), Japan (MHLW) and Brazil (ANVISA). All medical devices which you purchase from us as a customer, comply with all applicable requirements of the Medical Device Directive 93/42/EEC. Our company is certified by an independent Notified Body and certification is performed according to the specifications of standards. Current certificates can be found on our homepage www.meisinger.de



WARRANTY FORM

1. Customer information

Name of physician: _____ Customer number: _____

Address: _____ Telephone: _____

_____ Email: _____

_____ Documented by: _____

2. Product information

REF No.:	LOT No.:	Date inserted:	Date removed:	Regio:
		D D M M Y Y	D D M M Y Y	
		D D M M Y Y	D D M M Y Y	
		D D M M Y Y	D D M M Y Y	

3. Patient information

Patient ID: _____ Age: _____ ☐ F ☐ M

Bone density ☐ D1 ☐ D2 ☐ D3 ☐ D4 Smoker? ☐ No ☐ Yes

Medical history:

☐ Alcohol or drug abuse
☐ Blood coagulation disorder
☐ Chemotherapy during implantation
☐ Diabetes mellitus
☐ Compromised immune resistance
☐ Treatment with corticosteroids
☐ Lymphatic disorder
☐ Untreated endocrine disorders
☐ Psychic disorders
☐ Radiation therapy in head/neck region
☐ Xerostomy
☐ No relevant findings
☐ Immunological disorders
☐ Known allergies: _____
☐ Other relevant disorders: _____

4. Surgical information

If the implant was inserted and removed on the same day, was another implant inserted successfully in the same place? ☐ No ☐ Yes LOT: _____

How was the implant inserted? ☐ Hand wheel ☐ Ratchet ☐ Angled handpiece Torque: _____ Ncm

Did problems occur with the pre-mounted transfer part? ☐ No ☐ Yes _____

Was one of the following points evident at the time of the intervention? ☐ Complication during preparation of the implant bed

☐ Periodontal disease ☐ Mucosal disease ☐ Local infection / subacute chronic osteitis

What was the maximum speed employed during preparation? _____ min^{-1}

Which drill was used last? _____

Was the thread tapped? ☐ Yes ☐ No

Was the enossal region covered completely by bone? ☐ Yes ☐ No

Was primary stability achieved? ☐ Yes ☐ No _____ Ncm

Was osseointegration achieved? ☐ Yes ☐ No

Was augmentation performed during surgery? ☐ Yes ☐ No Further information:

_____ Material used: _____

Was a membrane used? ☐ Yes ☐ No

☐ Absorbable ☐ Not absorbable Material used: _____

5. Information about the event

Hygienic status around the implant? ☐ Very good ☐ Good ☐ Average ☐ Poor

Were one or more of the following factors involved in the event?

☐ Biomechanical overload ☐ Bruxism ☐ Bone resorption
☐ Implant fracture ☐ Peri-implantitis ☐ Infection
☐ Nerve compression ☐ Sinus perforation ☐ Immediate implantation
☐ Trauma or accident ☐ Overheating of the bone ☐ Insufficient bone quality
☐ Prior bone graft ☐ Adjacent endodontically treated tooth
☐ Other: _____

The following was observed at implant loss

☐ Abscess ☐ Asymptomatic ☐ Bleeding
☐ Inflammation ☐ Increased sensitivity ☐ Fistula
☐ Instability ☐ Pain ☐ Swelling
☐ Numbness ☐ Hypersensitivity

Had the implant already been prosthetically restored? ☐ No ☐ Yes (please answer Point 6)

What was the reason for implant loss in your opinion? _____

_____

6. Information on the prosthetics

Type of restoration ☐ Crown ☐ Bridge ☐ Partial prosthesis, maxillary ☐ Partial prosthesis, mandibular
☐ Full prosthesis, maxillary ☐ Full prosthesis, mandibular ☐ Other _____

When was the abutment placed? D D M M Y Y
Date of temporary restoration D D M M Y Y
Date of final restoration D D M M Y Y
Date of removal D D M M Y Y

Was a torque attachment used? ☐ Yes _____ Ncm ☐ No ☐ Not known
Were check-ups performed? ☐ Yes ☐ No

Case description: _____

_____

7. Instruments

Approximate number of applications ☐ First time ☐ 2-5 ☐ 6-10 ☐ >10
Method of cleaning ☐ Manual ☐ Ultrasonic ☐ Thermal disinfector
Method of sterilization ☐ Autoclaving ☐ Dry heat ☐ Chemical autoclaving

Brief description of the event: _____

_____

8. Confirmation

All returned products are to be autoclaved and labelled as "sterile".

Please add all the information necessary about the disputed products in this warranty form under consideration of the Hager & Meisinger GmbH warranty conditions and send this form including the autoclaved products and any X-rays back to Hager & Meisinger GmbH. Please use a padded bag for shipment - the loss of individual parts during shipment voids the warranty.

Date: _____

Signature of physician: _____

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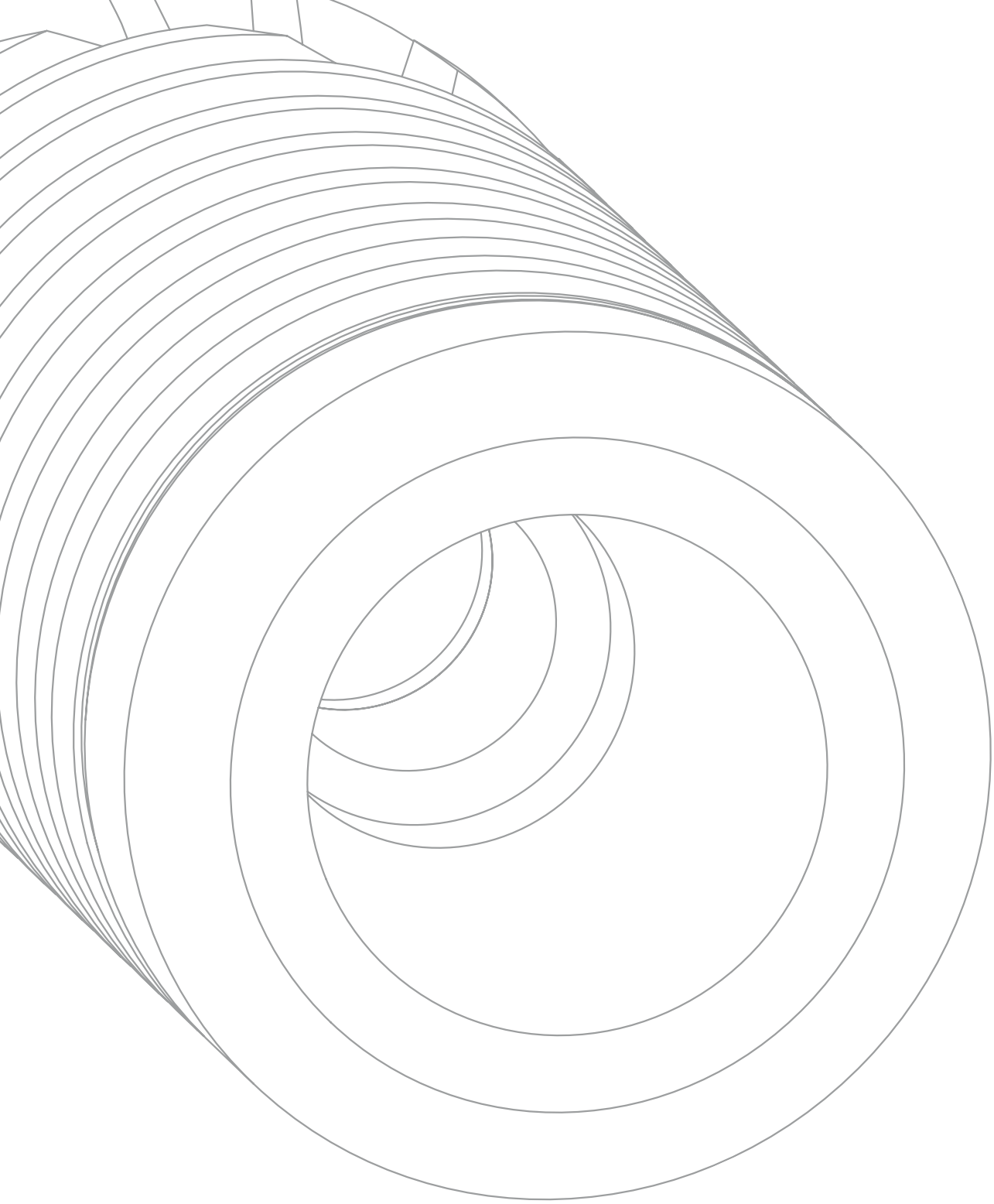

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