uniting the best of two worlds

Product catalogue

myplant

Made in Germany

B I O

Titanium or ceramic? – Why not both?

With **myplant bio**, **myplant GmbH** combines the **tissue-friendly properties of a ceramic implant** with the **technical advantages of a titanium implant**.

In this process, the titanium abutment and implant are encased in a strong, biocompatible ceramic layer.

The benefits of ceramic implant surfaces, with their exceptional tissue compatibility and biocompatibility, have been known about for many years and verified by numerous studies. Using a complex multi-phase high vacuum followed by zirconium evaporation deposition, an **abrasion-resistant ceramic layer (Cerid®)** is applied to the implant and a ceramic niobium layer **(Niob)** to the abutment section.

This bioengineering process, which has undergone advanced development specifically for myplant bio dental implants, involves high-energy charging of **atoms**, which then **penetrate** deep **into the surface** of the titanium and thereby form the **abrasion- and shear-resistant titanium/ceramic composite.**

The shear-resistant ceramic dioxide layer produced is approximately 4–7 micrometres thick. One of the special features of the high-strength Cerid® and niobium ceramic layer is its high **biocompatibility**, with an index of 1.

It is well known that mucositis is frequently a prelude to peri-implantitis, resulting in implant loss. Both **Cerid®** and **Niob** exhibit the highest chemical stability of all materials used in medical applications. This all but rules out titanium corrosion involving destruction of the passivating protective titanium layer, as can occur in the acidic environment of inflammatory gingival changes.

myplant

B I O

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The implants

myplant bio implants are available in three diameters, each in five different lengths. Due to the practical graduation of implant sizes, the system is suitable for all indications in dental implantology, even in difficult bone situations.

The various implant diameters can be quickly and reliably identified, thanks to the letter- and colour-coding system. The corresponding instruments for implant bed preparation are identified using the same colour coding.

Colour coding

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

The implant name contains a capital letter which, like the colour, stands for the implant diameter. The subsequent numbers define the length of the implant in millimetres.

Ø [mm] \ L [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

Brief overview of indications

Implants			Prosthodontics		
myplant bio	Length	Anterior tooth | Canine | Bicuspids | Molars	Single tooth	Bridge	Telescopes | 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 a length of 6.6 mm:

Until such time as corresponding clinical studies are available, 6.6 mm implants are currently recommended only for the following indications due to their reduced anchoring area in the bone:

- For edentulous jaws: as an auxiliary/supporting implant for implant-supported bar constructions or splinted bridges.
- Partially edentulous jaws: as an auxiliary/supporting implant in combination with longer implants to form a splinted superstructure.

Important: attention should be paid to the load distribution of the prosthodontics.

PRODUCTS

For the rotational speeds and torques of the instruments and system components, please refer to the overviews on pages 31 and 32.

myplant bio implants

	K6.6	K8	K9.5	K11	K14
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	K3566	K3580	K3595	K3511	K3514

	K6.6	K8	K9.5	K11	K14
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	K4066	K4080	K4095	K4011	K4014

	K6.6	K8	K95	K11	K14
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	K4566	K4580	K4595	K4511	K4514

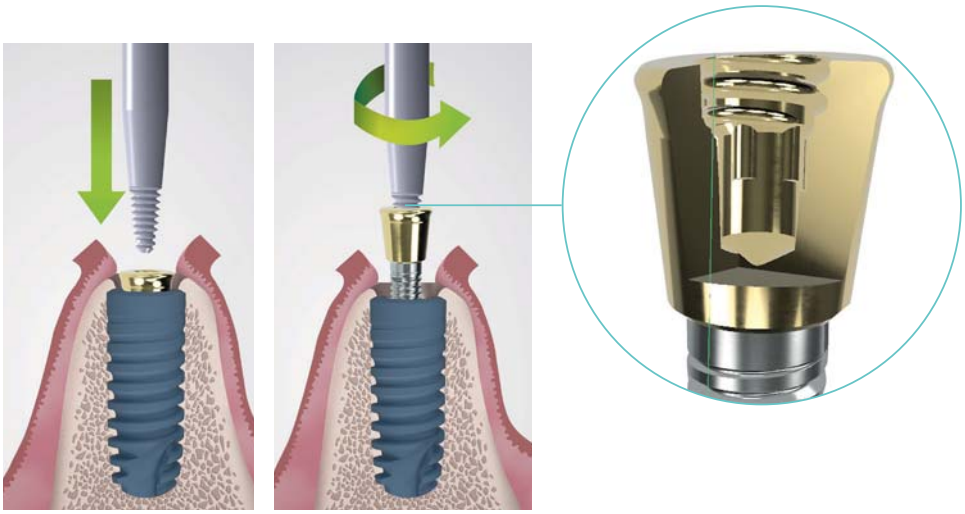
A sterile closure screw with a height of 1.0 mm (art. no KVS01) is enclosed with all implants.

H = height; GH = gingival height

Prosthodontic components

Closure screws

Description	closure screw 0 mm	closure screw 1 mm	closure screw 2 mm
Order no	KVS00	KVS01	KVS02



Note: unlike the old variant, the new closure screw and gingiva former can be easily removed from the implant with the aid of the screw remover (ZAD01/ZAD02). To this end, the screw remover is screwed into the thread of the closure screw/gingiva former – after subgingival healing and exposure have taken place – by means of being turned anticlockwise until the latter becomes unfastened from the implant.

Gingiva former

Description	Gingiva former Ø 4.2 mm GH 1.5 mm	Gingiva former Ø 4.2 mm GH 3.0 mm	Gingiva former Ø 4.2 mm GH 4.5 mm
Order no	KGF15	KGF30	KGF45

Note: the internal interface of the implants is identical in all myplant bio implants.
As a result, the closure screws and gingiva formers listed can be used for all implants.

H = height; GH = gingival height

Transfer posts

Description	Transfer post, S open tray	Transfer post, L open tray
Order no	PUP01	PUP02

The transfer posts are screwed in by hand.

Repositioning posts

Description	Repositioning post closed tray	Repositioning post, narrow closed tray
Order no	PRP01	PRP02

The repositioning posts are screwed in by hand or with the aid of a screwdriver.

Laboratory implant

Description	Laboratory implant
Order no	PLI01

H = height; GH = gingival height

myplant bio abutments

Abutments – straight

Description	bio 0° abutment GH 1.5 mm H 4.0 mm	bio 0° abutment GH 1.5 mm H 6.0 mm	bio 0° abutment GH 3.0 mm H 4.0 mm	bio 0° abutment GH 3.0 mm H 6.0 mm	bio 0° abutment GH 4.5 mm H 4.0 mm	bio 0° abutment GH 4.5 mm H 6.0 mm
Order no	KAB01	KAB02	KAB03	KAB04	KAB05	KAB06

Note:
for cement-free attachment, both straight and angled abutments have occlusal screw channels.

Note:
where there is sufficient primary stability, immediate provisional restoration can take place on the standard abutments with the aid of the healing caps. Primary stability of > 30 Ncm is required for this.

Note:
the abutment screw is permanently integrated in all abutments.

Abutments – angled

Description	bio 7.5° abutment GH 1.5 mm H 4.0 mm	bio 7.5° abutment GH 1.5 mm H 6.0 mm	bio 7.5° abutment GH 3.0 mm H 4.0 mm	bio 7.5° abutment GH 3.0 mm H 6.0 mm	bio 7.5° abutment GH 4.5 mm H 4.0 mm	bio 7.5° abutment GH 4.5 mm H 6.0 mm
Order no	KAB21	KAB22	KAB23	KAB24	KAB25	KAB26

Description	bio 15° abutment GH 1.5 mm H 4.0 mm	bio 15° abutment GH 1.5 mm H 6.0 mm	bio 15° abutment GH 3.0 mm H 4.0 mm	bio 15° abutment GH 3.0 mm H 6.0 mm	bio 15° abutment GH 4.5 mm H 4.0 mm	bio 15° abutment GH 4.5 mm H 6.0 mm
Order no	KAB51	KAB52	KAB53	KAB54	KAB55	KAB56

Description	bio 22,5° abutment GH 1.5 mm H 4.0 mm	bio 22,5° abutment GH 1.5 mm H 6.0 mm	bio 22,5° abutment GH 3.0 mm H 4.0 mm	bio 22,5° abutment GH 3.0 mm H 6.0 mm	bio 22,5° abutment GH 4.5 mm H 4.0 mm	bio 22,5° abutment GH 4.5 mm H 6.0 mm
Order no	KAB71	KAB72	KAB73	KAB74	KAB75	KAB76

H = height; GH = gingival height

Impression caps


Description	Impression cap H 4.0 mm	Impression cap H 6.0 mm
Order no	PAK01	PAK02

Healing caps

Note:
the healing caps aid the manufacture of immediate temporary restorations. In the process, ensure that they are not subjected to occlusal loading.


Description	Healing cap H 4.0 mm	Healing cap H 6.0 mm
Order no	PHK01	PHK02


Description	Healing cap – protected against rotation H 4.0 mm	Healing cap – protected against rotation H 6.0 mm
Order no	PHK03	PHK04

Laboratory analogue




Description	Laboratory analogue one-piece 0° H 4.0 mm	Laboratory analogue one-piece 0° H 6.0 mm	Laboratory analogue one-piece 7,5° H 4.0 mm	Laboratory analogue one-piece 7,5° H 6.0 mm
Order no	PLA04	PLA06	PLA24	PLA26




Description	Laboratory analogue one-piece 15° H 4.0 mm	Laboratory analogue one-piece 15° H 6.0 mm	Laboratory analogue one-piece 22,5° H 4.0 mm	Laboratory analogue one-piece 22,5° H 6.0 mm
Order no	PLA54	PLA56	PLA74	PLA76

H = height; GH = gingival height

Auxiliary modelling caps for straight and angled abutments

Description	Auxiliary modelling cap H 4.0 mm	Auxiliary modelling cap H 6.0 mm	Auxiliary modelling cap – protected against rotation H 4.0 mm	Auxiliary modelling cap – protected against rotation H 6.0 mm
Order no	PMK01	PMK02	PMK03	PMK04

Conical caps for straight and angled abutments

Description	Conical cap without retention H 4.0 mm	Conical cap without retention H 6.0 mm	Conical cap with retention H 4.0 mm	Conical cap with retention H 6.0 mm
Order no	PKK04	PKK06	PKK14	PKK16

Occlusal screw

Description	Removal sleeve
Order no	POS01

Removal sleeve

Description	Removal sleeve
Order no	ZRH01

Note:
the removal sleeve is applied over the standard structure and simplifies the process of screwing the abutment remover into the occlusal thread as a result. Furthermore, it serves to improve the parallel alignment of angled abutments.

H = height; GH = gingival height

Selection post kit (order no PAP00) contains the following items:

Selection posts – straight

Description	0° selection post GH 1.5 mm, H 4.0 mm	0° selection post GH 1.5 mm, H 6.0 mm	0° selection post GH 3.0 mm, H 4.0 mm	0° selection post GH 3.0 mm, H 6.0 mm
Quantity in the kit	4	4	4	4
Order no	PAP01	PAP02	PAP03	PAP04

Description	0° selection post GH 4.5 mm, H 4.0 mm	0° selection post GH 4.5 mm, H 6.0 mm
Quantity in the kit	4	4
Order no	PAP05	PAP06

Selection posts – angled

Description	15° selection post GH 1.5 mm, H 4.0 mm	15° selection post GH 1.5 mm, H 6.0 mm	15° selection post GH 3.0 mm, H 4.0 mm	15° selection post GH 3.0 mm, H 6.0 mm
Quantity in the kit	4	4	4	4
Order no	PAP51	PAP52	PAP53	PAP54

H = height; GH = gingival height

myplant bio base

myplant bio abutments

Description	bio 0° base GH 0.75mm, H 6.0 mm	bio 0° base GH 1.5 mm, H 6.0 mm	bio 0° base GH 3.0 mm, H 6.0 mm
Order no	KTB01	KTB02	KTB03

Description	bio 0° base GH 0.75 mm, H 4.0 mm	bio 0° base GH 1.5 mm, H 4.0 mm	bio 0° base GH 3.0 mm, H 4.0 mm
Order no	KTB04	KTB05	KTB06

Scan base

Description	Scan base
Order no	PSB11

Description	DIM analogue
Order no	XDIM1

Occlusal screw

Description	Occlusal screw – ceramic
Order no	POSK1

Note:
the geometry of the occlusal screw – ceramic is designed such that shear stress on the ceramic structure is avoided.

H = height; GH = gingival height

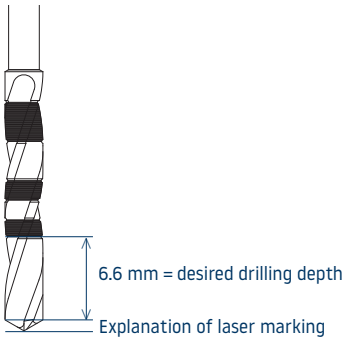
Surgical instruments

Excess apical lengths

During preparation of the implant bed, it should be remembered 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 be taken into account as early as during the planning phase.

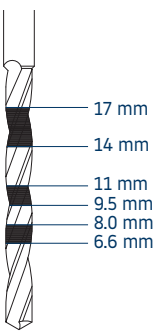
Tri-spade drill A	Tri-spade drill M	Tri-spade drill B
0.4 mm	0.5 mm	0.6 mm

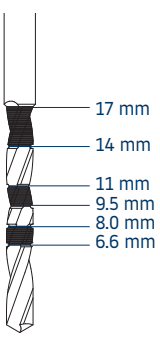
An example of extended apical length



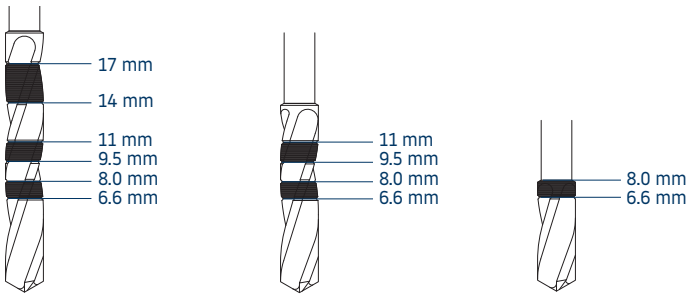
Explanation of laser marking

Twist drill

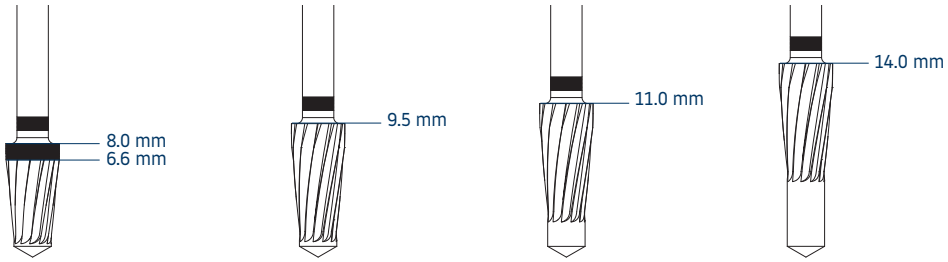




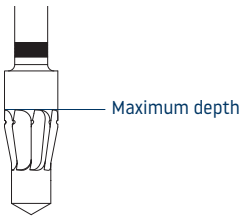
Tri-spade drill



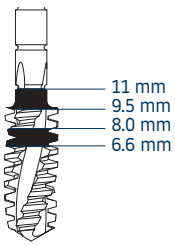
Conical reamer



Cortical countersink



Tap



General instruments

Suitable for all implant diameters

Description	Round bur	Initial bur, short	Initial bur, long	Parallel gauge
Order no	0RB01	0IB01	0IB02	0rl01

Suitable for all implant diameters

Description	Twist drill, long	Twist drill	Drill extension	HT drill extension
Order no	0SB01	0SB02	ZBV01	ZBV02

Tri-spade drill

A Ø 3.5 mm

Description	Tri-spade drill	Tri-spade drill	Tri-spade drill
	A XS	A S	A M
Order no	ATS01	ATS02	ATS03

M Ø 4.0 mm

Description	Tri-Spade Bohrer	Tri-Spade Bohrer	Tri-spade drill
	M XS	M S	M M
Order no	MTS01	MTS02	MTS03

B Ø 4.5 mm

Description	Tri-Spade Bohrer	Tri-Spade Bohrer	Tri-Spade Bohrer
	B XS	B S	B M
Order no	BTS01	BTS02	BTS03

Conical reamer

A Ø 3.5 mm

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

M Ø 4.0 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

B Ø 4.5 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

Cortical countersink

Description	Cortical countersink A	Cortical countersink M	Cortical countersink B
Order no	AKS01	MKS01	BKS01

Note:
this is an optional instrument for use where the cortical bone is particularly thick in order to reduce mechanical pressure.

Tap

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

Accessories




Description	Ratchet	Torque control device	Torque ratchet	Torque ratchet with bending arm
Order no	ZRA01	ZDMA1	ZRA02	ZRA03



Description	Open-ended spanner	High-torque adapter S	High-torque adapter M
Order no	ZGS01	ZHTOS	ZHTOM

Further accessories




Description	Screwdriver	Screwdriver	One-piece screwdriver,	One-piece screwdriver
	S	L	short	XS
Order no	ZSD0S	ZSD0L	ZSD1S	ZSDXS


Description	Drill extension	HT drill extension
Order no	ZBV01	ZBV02

Further accessories




Description	Manual insertion instrument	Manual insertion instrument	Mechanical insertion instrument	Mechanical insertion instrument
	M	L	S	L
Order no	ZEI0M	ZEI0L	ZEI01	ZEI02

Note:
check the O-ring each time before the insertion instruments are used. If there are signs of damage or wear, it must be replaced. There is a risk of insufficient grip between the insertion instrument and the implant.

Description	Replacement O-rings
Qty in pack	10
Order no	ZEI0R

Description	Cover screw
Order no	KMS01

Description	Manual abutment remover	Mechanical abutment remover S	Mechanical abutment remover L	Removal sleeve
Order no	ZAI01	ZAI51	ZAI52	ZRH01

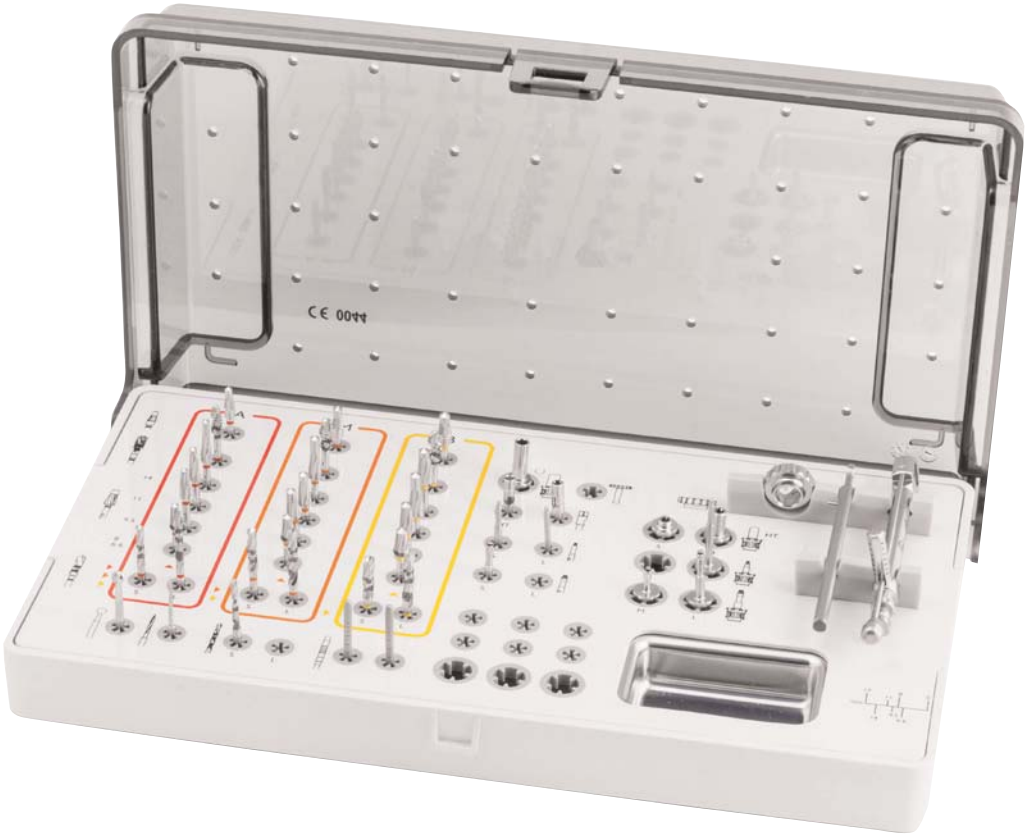
Note:
the self-locking cone enables an absolutely rotation-stable connection to the implant that provides a virtually bacteria-proof seal. This connection can be disengaged again with the aid of the abutment remover.

Description	Reverse torque instrument
Order no	ZRDI1

Description	Screw remover, short	Screw remover, long
Order no	ZAD01	ZAD02

Description	Handwheel for ratchet insert	Handwheel with plate	Laboratory handle
Order no	ZHR01	ZHR02	ZHG01

Surgical instrument kit (order no 0CK02)



All instruments intended for use in surgery are available in the myplant surgical instrument kit. This enables particularly structured and user-friendly storage and simplifies use during implantation by means of colour-coding for the instruments.

Description	Surgical instrument kit
Order no	0CK02

The instrument kit contains the following items:




Description	Manual insertion instrument M	Manual insertion instrument L	Mechanical insertion instrument S	Mechanical insertion instrument L
Quantity in the kit	1	1	1	1
Order no	ZEI0M	ZEI0L	ZEI01	ZEI02




Description	Screwdriver S	Screwdriver L	One-piece screwdriver, short	One-piece screwdriver XS
Quantity in the kit	1	1	1	1
Order no	ZSD0S	ZSD0L	ZSD1S	ZSDXS




Description	High-torque adapter M	High-torque adapter S	Drill extension	HT drill extension
Quantity in the kit	1	1	1	1
Order no	ZHT0M	ZHT0S	ZBV01	ZBV02




Description	Reverse torque instrument	Handwheel	Torque ratchet with bending arm	Open-ended spanner
Quantity in the kit	1	1	1	1
Order no	ZRDI1	ZHR01	ZRA03	ZGS01





Description	Round bur	Initial bur, short	Twist drill, long	Twist drill	Parallel
Quantity in the kit	1	1	1	1	2
Order no	0RB01	0IB01	0SB01	0SB02	0rI01

Further contents on the next page

Contents of the surgical instrument kit (order no OCK02), continued

Description	Tri-spade drill A S	Tri-spade drill A M	Conical reamer	Conical reamer	Conical reamer	Conical reamer
Quantity in the kit	1	1	1	1	1	1
Order no	ATS02	ATS03	AKA01	AKA02	AKA03	AKA04

Description	Cortical countersink A	Tap A
Quantity in the kit	1	1
Order no	AKS01	AGS01

Description	Tri-spade drill M S	Tri-spade drill M M	Konischer Ausreiber	Conical reamer	Conical reamer	Conical reamer
Quantity in the kit	1	1	1	1	1	1
Order no	MTS02	MTS03	MKA01	MKA02	MKA03	MKA04


Description	Cortical countersink M	Tap M
Quantity in the kit	1	1
Order no	MKS01	MGS04






Description	Tri-spade drill B S	Tri-spade drill B M	Conical reamer	Conical reamer	Conical reamer	Conical reamer
Quantity in the kit	1	1	1	1	1	1
Order no	BTS02	BTS03	BKA01	BKA02	BKA03	BKA04


Description	Cortical countersink B	Tap B
Quantity in the kit	1	1
Order no	BKS01	BGS02

Surgical instrument kit, diameter 4.0 (order no CKB40)

contains the following items:




Description	Manual insertion instrument M	Mechanical insertion instrument	Screwdriver S	Reverse torque instrument
Quantity in the kit	1	1	1	1
Order no	ZEI0M	ZEI01	ZSD0S	ZRDI1





Description	High-torque adapter M	Drill extension	Initial bur, short	Twist drill	Open-ended spanner
Quantity in the 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 in the kit	1	1	1	1
Order no	ATS01	ATS03	MTS01	MTS03



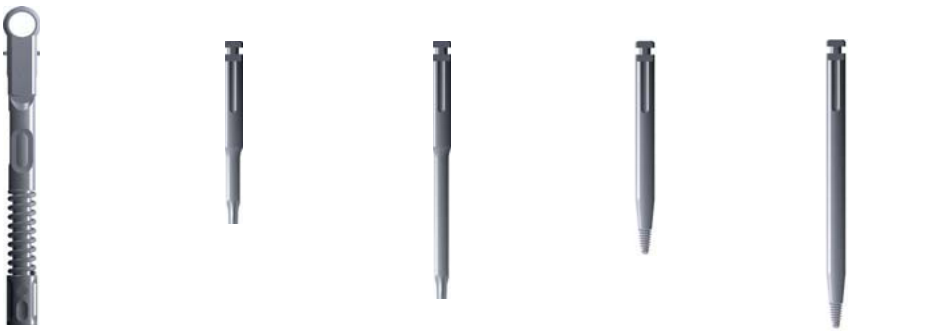


Description	6.6 mm/8.0 mm conical reamer M	9.5 mm conical reamer M	11.0 mm conical reamer M	14.0 mm conical reamer M	Tap M
Quantity in the kit	1	1	1	1	1
Order no	MKA01	MKA02	MKA03	MKA04	MGS04

Prosthodontic collections

Prosthodontics box (order no PPB03)

contains the following items:



Description	Torque ratchet	Screwdriver S	Screwdriver L	Screw remover, short	Screw remover, long
Quantity in the kit	1	1	1	1	1
Order no	ZRA02	ZSD0S	ZSD0L	ZAD01	ZAD02

Description	High-torque adapter S	Handwheel with plate	Abutment ejection instrument	Abutment ejection instrument	Removal sleeve
Quantity in the kit	1	1	1	1	2
Order no	ZHT0S	ZHR02	ZAI51	ZAI52	ZRH01

Laboratory box (order no PLB01)

contains the following items:

Description	High-torque adapter M	Screwdriver S	Screwdriver L	Handwheel
Quantity in the kit	1	1	1	1
Order no	ZHT0M	ZSD0S	ZSD0L	ZHR01

FURTHER INFORMATION

The myplant bio instrument set

Taking the anatomical conditions and available space into account, the correct position and number of implants, together with a suitable implant diameter and length, should be selected individually for every patient.

A systematic surgical technique for preparing the implant bed has been developed to provide enhanced primary stability (EPS). The implant bed can be prepared in three steps adapted to the bone quality available. This results in the optimisation of primary stability.

Note:
the instruments are not delivered sterile. The instruments must be checked for operational suitability before every use. Please also observe the ‘General application and safety instructions for MEISINGER products in the medical field’ and the ‘Notes on reprocessing (cleaning, disinfecting and sterilising) medical devices from Hager & Meisinger GmbH’. Ensure that the instruments suitable for each specific implant variant are used.

Quick overview of the surgical procedure

	Ø 3.5 mm	Ø 4.0 mm	Ø 4.5 mm	Opt. rot. speed	Torque
Smoothing of the alveolar ridge	 Round bur ORB01			2.000 min^{-1}	-
Initial drilling	 Initial bur OIB01 OIB02			1.000 min^{-1}	-
Marking of the implant axis Ø 2.0 mm	 Twist drill OSB01 OSB02			800 min^{-1}	-
1. Expansion of the implant bed – diameter 2.4 mm for A, M & B implants	 Tri-spade drill A ATS01 ATS02 ATS03			800 min^{-1}	-
2. Expansion of the implant bed – diameter 2.9 mm for M & B implants		 Tri-spade drill M MTS01 MTS02 MTS03		800 min^{-1}	-
3. Expansion of the implant bed – diameter 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 expansion of the implant bed where there is a lack of cancellous bone	 Cortical countersink A AKS01	 Cortical countersink B MKS01	 Cortical countersink C BKS01	50 min^{-1}	max. 50 Ncm
Pre-tapping of the implant thread	 Tap A AGS01	 Tap M MGS04	 Tap B BGS02	15 min^{-1}	max. 50 Ncm
Implant insertion	 Implant A K3566 / K3580 / K3595 / K3511 / K3514	 Implant M K4066 / K4080 / K4095 / K4011 / K4014	 Implant B K4566 / K4580 / K4595 / K4511 / K4514	15 min^{-1}	max. 50 Ncm

Recommended torques for myplant bio prosthodontics

	Product	Torque
	bio closure screw	5 - 7 Ncm
	bio gingiva former	
	Transfer posts	
	Repositioning posts	
	Scan bases	
	Cover screw	
	Occlusal screw	10 Ncm
	Occlusal screw for ceramic	
	bio standard abutment	15 Ncm
	bio titanium base	

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

OVERVIEW OF MATERIALS

Unalloyed grade 4 titanium

Grade 4 titanium is used for healing caps 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

As a material, grade 4 titanium complies with the ISO 5832-2 and ASTM F67 standards.

Grade 5-ELI/grade 23 titanium alloy

Grade 5-ELI/grade 23 titanium alloy is used for implants and 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

As a material, grade 5-ELI titanium alloy complies with the ISO 5832-3 and ASTM F136 standards.

Stainless steel 1.4197

Stainless steel 1.4197 is used for instruments that are used to prepare the implant bed.

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

As a material, stainless steel 1.4197 complies with the ISO 13504 and ASTM F899 standards.

Important information about our ordering services

Order line & consultation hotline

Our order and consultation hotline is at your service at the following times:

Monday – Thursday	8:00 – 18:00
Friday	8:00 – 17:00

When orders are received by the following times, we guarantee that your goods will be despatched that same day:

Monday – Thursday	By 14:00
Friday	By 13:00

Delivery times & shipping charges (Germany)

Standard delivery service

€7.10	Delivery in 1–3 working days

Express delivery service

Delivery on the next working day

€13.50*	Next working day
€16.30*	By 12:00*[1]
€21.50*	By 10:30*[1]
Holidays	No delivery service

*The shipping costs stated are net plus the applicable statutory VAT.

*[1] All delivery times stated are guidelines provided by our shipping partner.

The stated delivery times are approximate times provided by our shipping partners and may vary depending on the situation.

Additional surcharges/special tariffs

Saturday delivery service by noon	€30.00
Fee for cash on delivery	€10.00
Island surcharge	€15.00

(Only standard shipping possible/no express delivery)

Right of return

- Only immaculate, unopened goods in the original packaging
- Right of return within 30 days with a copy of the invoice (valid from the invoice date)

myplant bio implant warranty

The myplant bio warranty provided by myplant GmbH includes a lifetime warranty on all implants in its product range. This is effective in the event of manufacturing and material defects as well as non-osseointegrated implants. Hager & Meisinger GmbH will provide a free replacement implant at no additional charge.

Exclusion criteria

Hager & Meisinger GmbH will reject any type of warranty and liability claims for damage caused by inappropriate handling and failure to comply with the manufacturer's instructions. Responsibility rests exclusively with the user and clinician.

Further exclusion criteria

Implant loss due to external factors (accidents, traumas, mistreatment, etc.). Implant loss caused by failure to heed contraindications (use of medications, drug and alcohol abuse, tobacco consumption, illnesses). For more detailed information, refer to the instructions for use. Further claims and consequential damage such as laboratory costs and clinical follow-up treatment are excluded from the warranty.

Guidelines

All myplant bio items are to be used according to the instructions for use provided by the manufacturer. The use of components from outside the system as well as any type of modification may impair the function of the myplant bio implant system and precludes any warranty or replacement by Hager & Meisinger GmbH. This applies in particular to other application procedures that are not recommended. System faults due to confusion between tools and implants are to be minimized. Colour-coding and/or labelling should therefore be observed. The processing and application of myplant bio products take place outside our control and are solely the responsibility of the user. No liability will be accepted for damage caused during such activities. Technical advice on the application of our products is provided verbally, in writing, via electronic media or through 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 of the responsibility of personally checking the product, its suitability in relation to the indication and training in the field of dentoalveolar surgery/implantology.

Availability

Some of the myplant bio products listed in this document may not be available in all countries. Detailed information is available from myplant GmbH upon request.

Caution

In addition to the warnings included in this document, our products are to be protected against aspiration when used intraorally. Please observe the appropriate instructions for use as well as the manual for surgical and prosthodontic procedures.

Validity

The publication of this document voids all previous versions.

Documentation

You can obtain further information on myplant bio products from the relevant instructions for use or your designated member of the myplant bio team.

Regulatory requirements

Meisinger has been a byword for high-quality medical devices since 1888. The quality management system of a company that manufactures medical devices needs to meet special requirements. These particularly exacting requirements are defined by ISO 13485 and our company works meticulously to meet them. An MDSAP certificate according to ISO 13485:2016 confirms compliance with the requirements of international authorities in the USA (FDA), Canada (Health Canada), Australia (TGA), Japan (MHLW) and Brazil (ANVISA). All medical devices that 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 according to standard specifications. Current certificates can be found on our homepage at www.meisinger.de

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In case of a screw break, please only fill in sections marked with *

WARRANTY FORM
Implantology

1. Customer information *

Name of physician: _____ Customer No.: _____

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? _____ Ø _____ mm

Was the thread tapped? ☐ No ☐ Yes

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

Was a holding key used? ☐ No ☐ Yes

Was primary stability achieved? ☐ No ☐ Yes _____ Ncm

Was osseointegration achieved? ☐ No ☐ Yes

Was augmentation performed during surgery? ☐ No ☐ Yes

if yes: ☐ Sinus lift ☐ Horizontal augmentation Material used: _____

Was a membrane used? ☐ No ☐ Yes

if yes: ☐ Absorbable ☐ Not absorbable Material used: _____

5. Information about the event

What was the hygienic status around the implant? ☐ Very good ☐ Good ☐ Average ☐ Poor

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

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

The following was observed at implant loss

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

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

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

_____

6. Information on the prosthetics

Type of restoration: ☐ Full prosthesis (max.) ☐ Partial prosthesis (max.) ☐ Crown ☐ Bridge
☐ Full prosthesis (mand.) ☐ Partial prosthesis (mand.) ☐ Other: _____

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

Date of temporary 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. Information in case of screw break *

REF Nr. Implant: | LOT Nr. Implant: | REF Nr. Abutment: | LOT Nr. Abutment: | Regio:

Date of screw breakage D D M M Y Y Date of remaining screw removal D D M M Y Y

Was a torque attachment used? ☐ Yes _____ Ncm ☐ No ☐ Not known

Type of restoration: _____

Case description: _____

_____

8. Instruments

Approximate number of applications ☐ First time ☐ 2-5 ☐ 6-10 ☐ >10

Method of cleaning ☐ Manual ☐ Ultrasonic ☐ Thermal disinfector

Method of sterilizatio ☐ Autoclaving ☐ Dry heat ☐ Chemical autoclaving

Which cleaning agent has been used: _____

_____

9. 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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myplant GmbH | Hansemannstr. 10 | 41468 Neuss | Germany
Phone: +49 2131 1259-465 | Fax: +49 2131 2012-222
E-Mail: info@myplant-dental.com | Internet: www.myplant-dental.com

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Notes

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myplant GmbH
Hansemannstr. 10 • 41468 Neuss • Germany
Phone: +49 2131 1259-465 • Fax: +49 2131 2012-222
E-Mail: info@myplant-dental.com • www.myplant-dental.com

Hager & Meisinger GmbH
Hansemannstr. 10 • 41468 Neuss • Germany
Phone: +49 2131 2012-0 • Fax: +49 2131 2012-222
E-Mail: info@meisinger.de • www.meisinger.de

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