

SYMBOLS FOR IMPLANT PROPERTIES AND PROSTHETIC SOLUTIONS



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APPLICATION AREAS

OF THE ENDOSSEOUS DENTAL IMPLANT SYSTEM GCS®

Suitable for crowns, bridges and bars. With the correct surgical procedure and good bone quality, the compression screws design permits to incorporate the restoration in an immediate loading protocol (incorporation of the prosthesis within a maximum of three days). Today, **GCS**[®] implants are routinely used for immediately loaded bridge constructions. The single-piece design saves costs, effort and prevents the problem of screw loosening. In extraction cases, **GCS**[®] and **GBC**[®] are combined.

The prescribed or recommended tightening torques for implants, abutments and screws can be found on our website:

www.implant.com/en/downloads

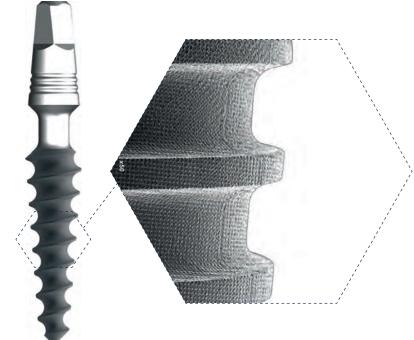




No-Itis® LASER – THE NEW SURFACE GENERATION

The new surface treatment for Dr. Ihde Dental AG implants is created with the latest generation of robotic tools for laser ablation. This new technology of high precision creates roughness in the implant through a mesh of hemispherical micrometric pores, with a defined, always identical size and shape and with a symmetrical distribution.

The result is a more adequate topography, which provides the most suitable conditions for the osseointegration of the implant, but at the same time it is, and behaves like, a smooth surface at a micrometric (cellular) level. This means that while bone grows well on this surface, the adhesion of bacteria to the same surface is significantly reduced.



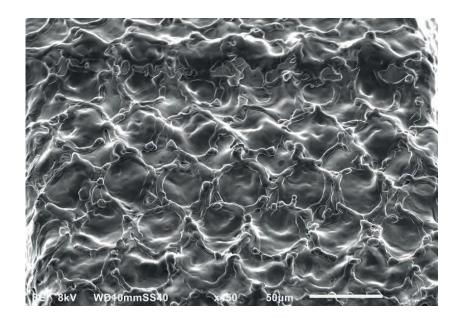
No-Itis® LASER A SMOOTH SURFACE THAT, IN CONTACT WITH THE BONE, IS SHAPED LIKE A ROUGH SURFACE

In the 1990s, rough surfaces on dental implants became increasingly popular – while the risk of bacterial adhesion was blissfully disregarded. This caused the appearance of a new disease, peri-implantitis, which severely compromises the survival of the implants in the long term and which, as a result, requires a renewed intervention on a dissatisfied patient, wasting time and increasing costs. Surfaces like that are not patient-friendly!

The use of the laser technology we developed allows us to create an exactly defined micromorphology on the treated surface, leaving no residue and without altering the properties or composition of the titanium alloy. This creates a mesh of very perfect cavities in terms of the (hemispherical) shape and its dimensions (of 20 to 30 μ m), as well as their distance and distribution. The surface of these cavities as well as the retentions created by laser ablation are smooth as experienced by the bacteria, a characteristic that is assumed to improve the resistance of the implant against bacterial colonisation. This characteristic might also

radically limit the incidence of peri-implantitis. In contact with the bone, however, the laser-ablated surface behaves like a rough surface. Rough implants (e.g., GCS®, Hexacone®) and smooth implants (e.g., GBC®, GCS®) therefore have the same recovery rate.

No-Itis® LASER THE SURFACE THAT INCREASES SURVIVAL RATIOS



Rugosity (Ra)	Definition
≤ 0,4 µm	Smooth
0,5 - 1,0 µm	Machined
1,0 - 2,0 µm	Moderately rough
> 2,0 µm	Rough
Rugosity (Ra)	No-Itis® Laser
0,9 µm	Smooth

According to the classification of surface roughness by Albrektsson and Wenneberg, the Ra value corresponds to a moderately rough surface, and our lasered surface actually has the characteristics and many of the advantages of a smooth implant surface. The NO-ITIS® LASER

No-Itis® LASER

THE MOST ADVANCED SURFACE A SAFE ANSWER AGAINST PERI-IMPLANTITIS, MAINTAINING THE OSSEOINTEGRATION LONG TERM

surface allows the adhesion of the uniform and extended fibrin clot, which then leads to the formation of woven bone. The distribution and size of the concavities favours the accommodation and activity of the osteoblasts, promoting effective osseointegration

STABLE FIBRIN MESH

With the NO-ITIS® LASER, as with traditional rough surface, fibrin filaments are almost exclusively attached to surface peaks forming bridges between them (distance osteogenesis). On the NO-ITIS® LASER surface, fibrin forms as a well developed and defined grid mesh even within the concavities, which favours colonisation of the osteogenic cells directly on the surface of the implant (contact osteogenesis).



Machined surface

Rough surface

Osteogenesis of contact



Distant osteogenesis



No-Itis® Laser Surface

Improved contact osteogenesis

MAXIMUM CONTACT OSTEOGENESIS

Thanks to the good cell adhesion, a normal fibrin mesh can be created, adapted and extended on the surface of the NO-ITIS® LASER. This process activates the formation A UNIQUE SURFACE of osteonal bone, also directly in contact with the implant.

No-Itis® LASER

RAPID OSSEOINTEGRATION

THE IDEAL SURFACE FOR IMMEDIATE OR EARLY LOADING The perfectly symmetrical and reproducible topography of the NO-ITIS[®] LASER surface attracts a greater number of osteogenic cells, allowing them to settle and to proliferate on the implant surface in

a stable and uniform manner. This process activates the formation of bone directly in contact with the implant, resulting in a more dynamic and favourable osseointegration, with greater BIC (Bone implant Contact), and it allows true bone engineering.

- Smooth implant surface
- Less bacterial adhesion

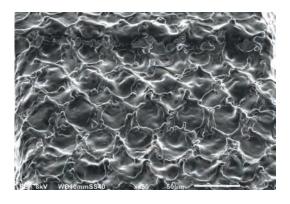
LOWER RISK OF INFECTIONS

- Increased fibrin adhesion
- · More contact osteogenesis on a larger surface

PERFECT OSSEOINTEGRATION

No-Itis® LASER - A CLEAN SURFACE

Unlike standard-surface implants (sandblasting and etching, or blasting and anodising), the implants with the NO-ITIS® LASER surface have a completely clean surface without residues nor contaminants. Due to this modern manufacturing process, no residues of jet particles or traces of the chemicals (acids) or anodisation (oxides) used in the etching process can come into contact with the implant. Eliminating the anodisation also eliminates the risk that the top layer of the coloured implant dissolves mechanically.



No-Itis[®] LASER A CLEAN SURFACE

No-Itis® LASER - THE IDEAL SURFACE FOR BONE CONTACT

The total cleanliness of the NO-ITIS[®] LASER allows the endosseous implant surface to be increased without having to accept the disadvantages of all the traditional methods for surface roughening.

This new surface generation can coexist for some time with others developed by onewaybiomed GmbH, while regularization of production and stocks, and therefore any reference may not be available on the new No-Itis® Laser surface.

GCS® - INSTRUCTION FOR APPLICATION

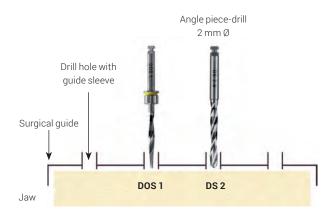
PREPARATORY WORK

Get your lab to make a drilling template with the specified drill holes for the marking hole.

For the pilot hole, use **DOS 1** or **BCD 1** (yellow) as the primary reamer. Prepare the implant bed with the form drills at full length.

Please use an intermittent drilling technique with good NaCl cooling. If necessary, the laboratory can insert guide sleeves can in the drill holes (code **BFH**) through which the precise direction of drilling can be set.

If, due to high drilling resistance in hard bone, it is difficult to reach the complete drilling depth with DOS 1, the correct depth can be reached with the cylinder drill DS 2 (diameter 2 mm).

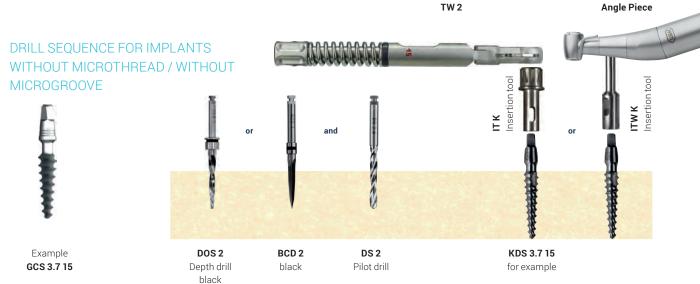


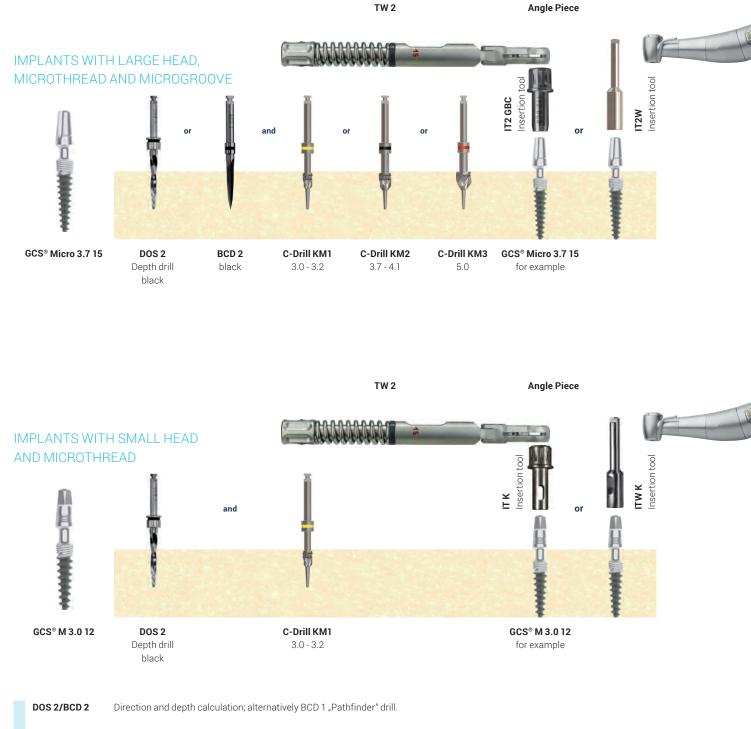
SURGERY

1. Drilling and preparation/compaction of the implant site

DRILL SEQUENCE normal / hard bone			DRILL SE	QUENCE soft	bone		
Pilot drill	Form drill	KDS	Implant	Pilot drill	Form drill	KDS	Implant
		KDS 3.0	GCS 3.0				GCS 3.0
	DOS 2	KDS 3.2	GCS 3.2			KDS 3.0	GCS 3.2
DOS 1		KDS 3.7	GCS 3.7	DOS 1	DOS 2	KDS 3.2	GCS 3.7
	DOS 3 (4)	KDS 4.1	GCS 4.1		D052	KDS 3.7	GCS 4.1
	DOS 5	KDS 5.0	GCS 5.0		DOS 3 (4)	KDS 4.1	GCS 5.0
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In very hard bone the implants should be inserted slighty deeper and then turned back 1/2 round.





Pilot drill DS 2 For use in hard bone in the cortical region only.

KDSPrepare the implant bed in the maxilla stepwise using the appropriate bone-expanding screw and ratchet or motorized insertion tool.
Maximum 40-45 Ncm. Remove the bone-expanding screw again.

GCS® B To create the definitive implant cavity for GCS® B implants, it is imperative to use bone-expanding screws. These screws must be screwed to their full depth. They generate the compression and ensure that sufficient space is created for the implant thread in the cortical region.

All **GCS**[®] implants are used as compression screws. If possible, the hole should be created substantially thinner than the core diameter of the implant, since only in this way can good bone condensation be achieved. The minimum hole diameter depends on the bone density. For this reason, it is not possible to specify drill sequences that can be used favorably for all bone qualities. As a rule, it is necessary to drill much less into the soft maxilla (e.g. the DOS1 drill only can be used for **GCS**[®] implants with diameter 3.0-5.0) than into the well-mineralized mandible, which requires the use of a drilling sequence adjusted to the bone density.

2. Implant packaging



Original packaging



Open the sealed cover at the lid. Remove the label and place it into the patients record.

3. Remove the implant from its packaging



The open pack contains the implant, mounted to a plastic holder. The pack also contains the lab-set.



Remove the implant by holding onto the plastic holder

The implant is fixed to the holder by a break joint.

4. Handling

Hold the implant by the holder and place the insertion tool on the implant head. The endosseous implant surface must not be touched. Pull out the implant with the plug and then twist off the plug with the needle holder at the predetermined breaking point.



IMPLANTS WITH SMALL HEAD

GCS® (straight) / GCS® B (flexible)

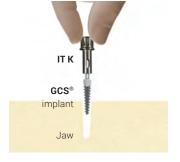


5. Insertion using manual tools

Insert the implant by hand until it is firmly seated in the jaw.



IMPLANTS WITH SMALL HEAD



6. Definitive implant insertion

Using the ratchet, torque ratchet or contra-angle, screw the implant clockwise into the cavity. With **GCS® B**, the use of the torque ratchet is mandatory. The endosseous (blasted) part of the implant must be completely covered by bone. The polished implant neck is located in the mucosa. We recommend screwing the implant into the bone up to 1 mm deeper into the implant neck.

IMPLANTS WITH LARGE HEAD



The head of the bendable **GCS® 3.0 & 3.2**, **GCS® Micro (all diameters)** and **GCS® B** screws can be bent into the desired position after insertion with the aid of the mounted insertion tool and ratchet.

Maximum bend: approx. 15°. Only one bending operation may be performed. In the maxilla, the motorised insertion tool should be used due to its better implant guidance during insertion.



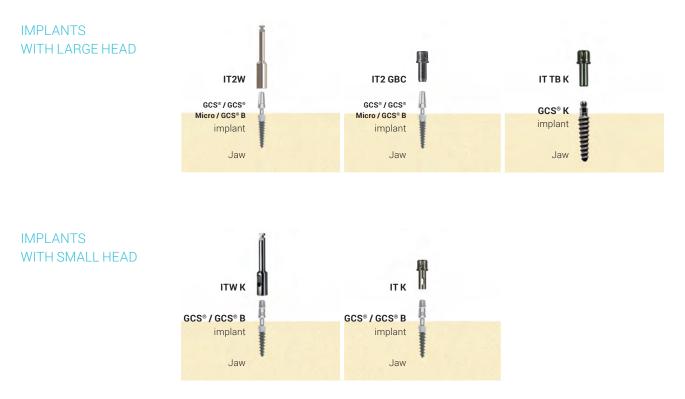
IMPLANTS WITH SMALL HEAD

IMPORTANT NOTE

GCS B[®] implants have a predetermined breaking point integrated into the head. If the preparation with bone-expanding screws was not performed sufficiently, high screwing forces can cause the upper head portion to be torn off.

So that the implant can be screwed out again, an additional square is milled below the breaking point, into which the emergency tool **Tool E** can be inserted. The **Tool E** instrument may only be used to remove the implant.





8. Result

All implant heads (except for the **GCS® K**) can be reshaped by grinding. The implants can be prosthetically supplied immediately if indicated. The definitive superstructure should be cemented within a few days. Immediate prosthetic splinting with a provisional bridge is recommended.

IMPLANTS WITH LARGE HEAD



IMPLANTS WITH SMALL HEAD



9. Impression

IMPLANTS WITH LARGE HEAD

Bridges



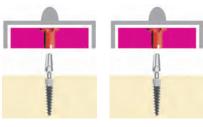
Attachment of the impression post **TSPA 5**, internally round, for **GCS**®



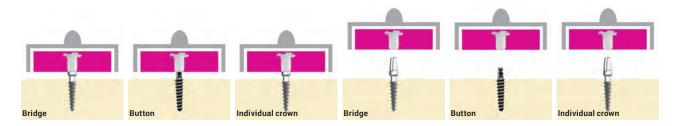
Attachment of the impression post **TSPA 5**, with anti-rotation protection, for **GCS® Micro**

Pressureless impression taking e.g. with **Safeprint**®

Individual crowns



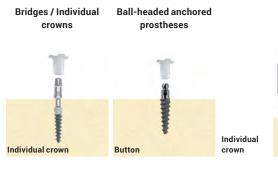
Removal of the individual scoop from the implant post. The impression post is located in the impression material. The impression can be sent to the laboratory.



Pressureless impression taking e.g. with Safeprint®

Removal of the individual scoop from the implant post. The impression post is located in the impression material. The impression can be sent to the laboratory.

IMPLANTS WITH SMALL HEAD



Attachment of the impression post **TSPA 4**, Internally round, for **GCS®, GCS® B** and **GCS® T** Fill **TSPA 4** inside with

Safeprint® IM

Individual crowns

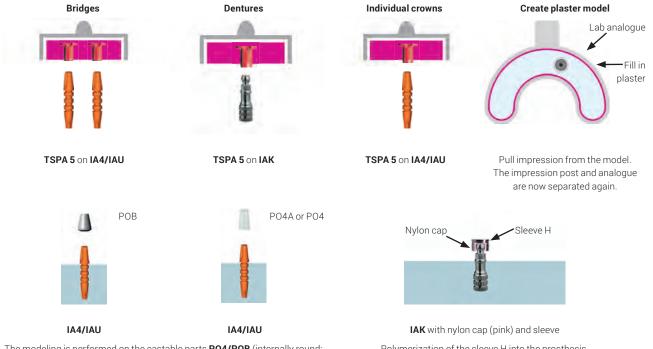


 Attachment of the impression post TSKPA 4, with anti-rotation protection, for GCS[®], GCS[®] B and GCS[®] T

LABORATORY PROCEDURES

Attachment of the impression post onto lab analogues

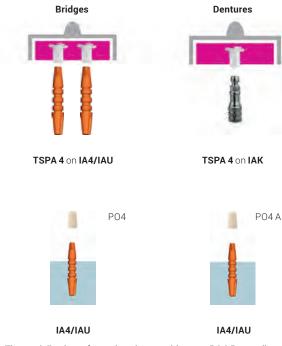
IMPLANTS WITH LARGE HEAD



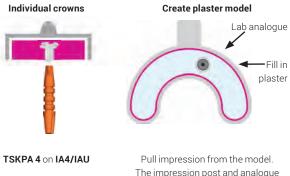
The modeling is performed on the castable parts PO4/POB (internally round; for bridges and bars) or PO4A (edged inside; for individual crowns).

Polymerization of the sleeve H into the prosthesis. Press NC/NC1/NC2 into the sleeve. For initial restorations, NC1 or NC2 should be used.

IMPLANTS WITH SMALL HEAD



The modeling is performed on the castable parts PO4 (internally round; for bridges and bars) or PO4A (edged inside; for individual crowns).



Pull impression from the model. The impression post and analogue are now separated again.

Fill in plaster

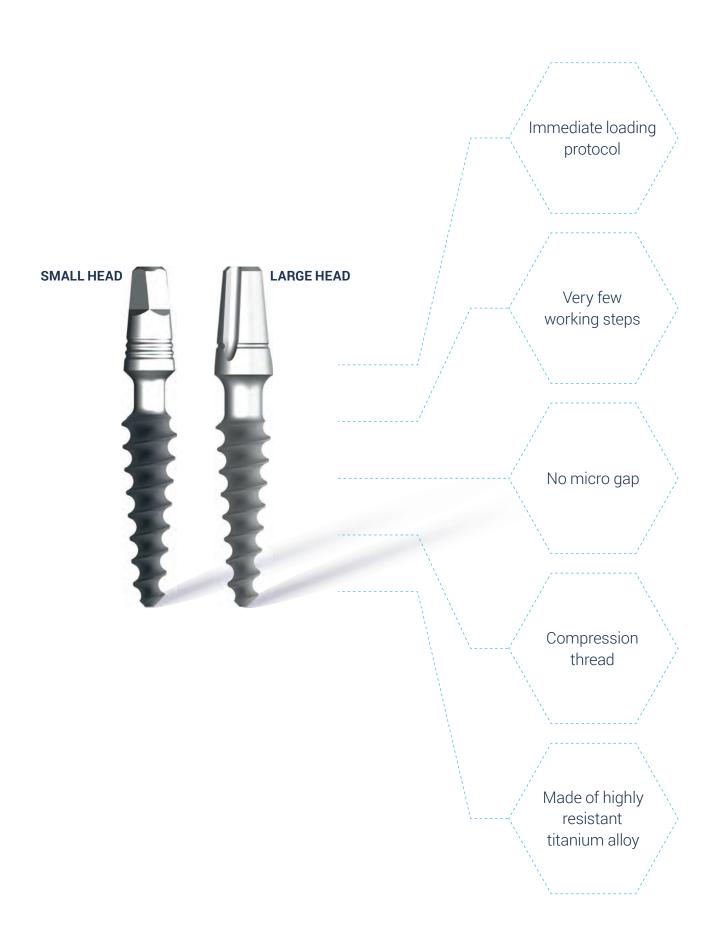


IAK with nylon cap (pink) and Sleeve

Polymerization of the sleeve H into the prosthesis. Press NC/NC1/NC2 into the sleeve. For initial restorations, NC1 or NC2 should be used.



THE ADVANTAGES OF GCS® CLASSIC AND CLASSIC X IMPLANTS



GCS® CLASSIC IMPLANTS

Implants with small head for crowns and bridges.

	а	Description	Enossal Ø	Enossal length	Neck Ø	REF	Price cat.
T	g g	GCS 3.0 10	3.0 mm	10 mm	2.0 mm	BM1030	F
b	_	GCS 3.0 12	3.0 mm	12 mm	2.0 mm	BM1031	F
		GCS 3.0 15	3.0 mm	15 mm	2.0 mm	BM1032	F
		GCS 3.2 12	3.2 mm	12 mm	2.0 mm	BM1033	F
c F		GCS 3.2 15	3.2 mm	15 mm	2.0 mm	BM1034	F
Ť.		GCS 3.7 6	3.7 mm	6 mm	2.5 mm	BM6204	F
-		GCS 3.7 8	3.7 mm	8 mm	2.5 mm	BM6205	F
d		GCS 3.7 10	3.7 mm	10 mm	2.5 mm	BM1035	F
		GCS 3.7 12	3.7 mm	12 mm	2.5 mm	BM1036	F
		GCS 3.7 15	3.7 mm	15 mm	2.5 mm	BM1037	F
		GCS 4.1 8	4.1 mm	8 mm	2.8 mm	BM1038	F
2		GCS 4.1 10	4.1 mm	10 mm	2.8 mm	BM1039	F
1	e	GCS 4.1 12	4.1 mm	12 mm	2.8 mm	BM1040	F
		GCS 4.1 15	4.1 mm	15 mm	2.8 mm	BM1041	F
a) Abutment Ø	3.35 mm	GCS 4.1 17	4.1 mm	17 mm	2.8 mm	BM1042	F
b) Abutment height	6.8 mm	GCS 4.1 19	4.1 mm	19 mm	2.8 mm	BM1043	F
c) Neck length	3.5 mm	GCS 5.0 10	5.0 mm	10 mm	2.8 mm	BM1044	F
d) Enossal length	6 - 19 mm	GCS 5.0 12	5.0 mm	12 mm	2.8 mm	BM1045	F
e) Enossal Ø	3.0 - 5.0 mm	GCS 5.0 15	5.0 mm	15 mm	2.8 mm	BM1046	F
f) Neck Ø	2.0 / 2.5 / 2.8 mm						
g) Square AF (across flats)	1.9 mm				Hend	\neg	nited

GCS 3.0 - 3.2 GCS 3.7 - 5.0 Max. insertion torque 50 Ncm Max. insertion torque 80 Ncm

INCLUSIVE

lab-set REF 462353, consisting of

GCS® implants are delivered incl.

IA4/IAU BM5118

Impression post castable, internally edged, for large head PA X

BM1429 Impression post castable,

Double analogue, plastic

internally round, for small head TSPA 4

BM1394

NOTE This is a standard lab-set and therefore contains parts for both LARGE abutment heads (PA X) and SMALL abutment heads (TSPA 4).

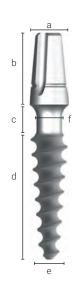


REF

Price cat.

GCS® CLASSIC X IMPLANTS

Large head for easy prosthetic handling.



a) Abutment Ø	3.9 mm
b) Abutment height	7.2 mm
c) Neck length	3.0 mm
d) Enossal length	8 - 19 mm
e) Enossal Ø	3.0 - 5.0 mm
f) Neck Ø	2.0, 2.5, 2.8 mm

GCS X 3.0 10	3.0 mm	10 mm	2.0 mm	BM1110	F
GCS X 3.0 12	3.0 mm	12 mm	2.0 mm	BM1111	F
GCS X 3.0 15	3.0 mm	15 mm	2.0 mm	BM1112	F
GCS X 3.2 12	3.2 mm	12 mm	2.0 mm	BM1113	F
GCS X 3.2 15	3.2 mm	15 mm	2.0 mm	BM1114	F
GCS X 3.7 10	3.7 mm	10 mm	2.5 mm	BM1115	F
GCS X 3.7 12	3.7 mm	12 mm	2.5 mm	BM1116	F
GCS X 3.7 15	3.7 mm	15 mm	2.5 mm	BM1117	F
GCS X 4.1 8	4.1 mm	8 mm	2.8 mm	BM1118	F
GCS X 4.1 10	4.1 mm	10 mm	2.8 mm	BM1119	F
GCS X 4.1 12	4.1 mm	12 mm	2.8 mm	BM1120	F
GCS X 4.1 15	4.1 mm	15 mm	2.8 mm	BM1121	F
GCS X 4.1 17	4.1 mm	17 mm	2.8 mm	BM1107	F
GCS X 4.1 19	4.1 mm	19 mm	2.8 mm	BM1108	F
GCS X 5.0 10	5.0 mm	10 mm	2.8 mm	BM1122	F
GCS X 5.0 12	5.0 mm	12 mm	2.8 mm	BM1123	F
GCS X 5.0 15	5.0 mm	15 mm	2.8 mm	BM1109	F

Enossal length Neck Ø

Enossal Ø



GCS® implants are delivered incl. lab-set REF 462353, consisting of

Description

Double analogue, plastic

IA4/IAU BM5118

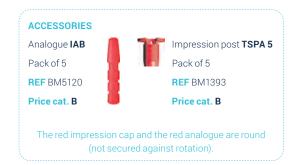


Impression post castable, internally edged, for large head **PAX**

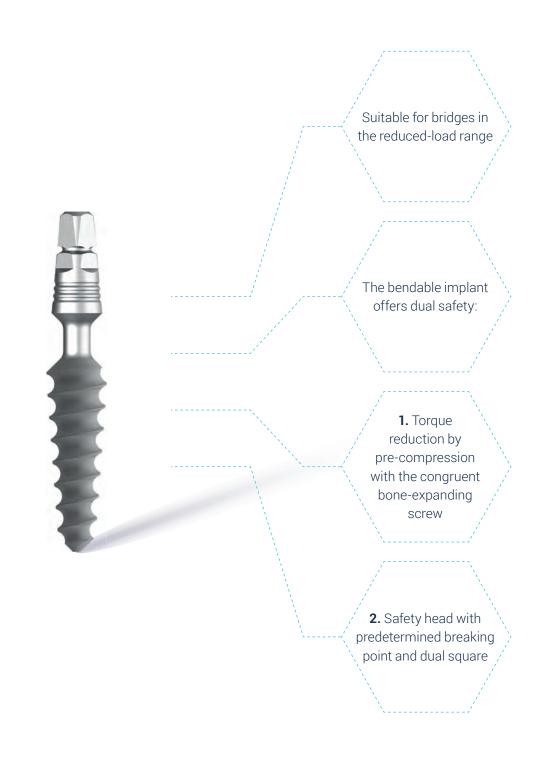
BM1429

Impression post castable, internally round, for small head TSPA 4 BM1394

NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).



THE ADVANTAGES OF GCS® B IMPLANTS



GCS® B IMPLANTS WITH SMALL HEAD FOR BRIDGES

GCS® B implants with bendable neck (use after pre-drilling and preparation with the bone-expanding screw). Suitable for bridges in the reduced-load range (no individual tooth restorations). The bendable implant now offers dual safety:

- Torque reduction by pre-compression with the congruent bone-expanding screw 1.
 - Safety head with predetermined breaking point and dual square 2.

Description	Code KDS	Enossal Ø	Enossal length	REF	Price cat.
GCS B 3.0 15	С	3.0 mm	15 mm	BM1019	F
GCS B 3.2 12	D	3.2 mm	12 mm	BM1020	F
GCS B 3.2 15	E	3.2 mm	15 mm	BM1021	F
GCS B 3.7 12	F	3.7 mm	12 mm	BM1022	F
GCS B 3.7 15	G	3.7 mm	15 mm	BM1023	F
GCS B 4.1 15	L	4.1 mm	15 mm	BM1024	F
GCS B 4.1 17	Μ	4.1 mm	17 mm	BM1025	F

The predetermined fracture site integrated in the abutment prevents the twisting off of the abutment head from the endosseous implant part. The implant socket has to however always be pre-compressed using the bone-expanding screw.





a) Abutment Ø

c) Neck length

e) Enossal Ø

f) Neck Ø

d) Enossal length

b) Abutment height



GCS® implants are delivered incl. lab-set REF 462353, consisting of

IA4/IAU BM5118

Impression post castable, internally edged, for large head PA X

Double analogue, plastic

BM1429

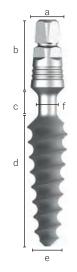
Impression post castable, internally round, for small head TSPA 4

BM1394

NOTE This is a standard lab-set and therefore contains parts for both LARGE abutment heads (PA X) and SMALL abutment heads (TSPA 4).



After insertion, the bendable GCS® B screws can be bent into the desired position using the inserted insertion aid and ratchet. Maximum bend: approx. 15°. Only one bending process may take place. The motor insertion aid should be used in the upper jaw because of the better implant guidance when screwing in.



3.35 mm

6.8 mm

3.0 mm

1.8 mm

12 - 17 mm

3.0 - 4.1 mm



IMPRESSION TAKING AND LABORATORY ACCESSORIES

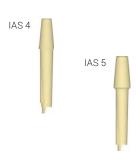
1	Description Impression post made of POM Castable, internally round	Unit Pack of 5	Code TSPA 4*	REF BM1394	Price cat. B
	ALTERNATIVE Impression post made of POM Castable, internally round	Pack of 5	TSPA 4*	BM1372	В
	Impression post Castable, internally edged	Pack of 5	TSKPA 4	BM1395	В
	Double analogue, plastic For large and small head	Pack of 5	IA4/IAU	BM5118	В
	Double analogue, metal For large and small head	1 piece	IA4/IAU	BM5119	А
	Castable abutment and base for provisionals For small head 7 mm high, white, internally round	Pack of 5	P04	BM1317	В
	Castable abutment and base for provisionals 7 mm high, white, internally edged	Pack of 5	PO4A	BM1318	В

***TSPA 4 and 5** For impressions on ground-down implant heads.

This ring-transfer exposes the lower border of the abutment head. The impression is then poured with extra-strong gypsum or epoxi-resin. For this techniques no implant analogues are needed. Material: PP

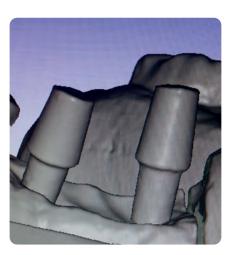
SCANNER ANALOG

Scanner analogue for large and small implant head, self-descriptive. These analogues do not need to be sprayed with spray paint. They can be pulled out of the model with anti-rotation protection. Matching impression posts: **TSPA 4** and **TSPA 5**



Description	F
Scanner analogue IAS 4 For small head	E
Scanner analogue IAS 5 For large head	E

REF	Price cat.
BM5124	B
BM5125	в



Use example for self-descriptive scanner analogue

CEMENTABLE ANGULATION ADAPTER (TI6AL4V)

These adapters are mounted on GCS° implants to compensate for the insertion direction. Plastic cements are preferably used. The implant head must be roughened beforehand. The protruding head parts are then removed. The impression is taken directly on the adapter.



REF

BM1308

Price cat.

С



Description Adapter, 15° For small head	Code AA15 KK	REF BM1303	Price cat. C
Adapter, 25° For small head	AA25 KK	BM1305	С
Adapter, 15° For large head	AA5 15°	BM1197	С
Adapter, 25° For large head	AA5 25°	BM1198	С

CASTABLE CROWN BASE

These adapters are used by the dental technician for modeling of bridge frames. In the metal try-in, the protruding head parts are removed by the dentist.



Description	Height	Code
Adapter 15°	7.5 mm	AAL 15 KK
For small head		
Reducible and castable		
Pack of 5		

LAB ANALOGUE



Description	Code	REF	Price cat.
Abutment analogue for angulation adapter For small head 15° and 25°	AAA	BM1309	В

CASTABLE PART AND IMPRESSION CAP



Description	Code	REF	Price cat.
Castable abutment and transfer for AAA	ΡΑΑΑΑ	BM1310	В
Pack of 5			

KDS BONE EXPANDING SCREWS

For all GCS® B screw implants, bone-expanding screws are available as tools to create the definitive implant cavity. Basically, for each implant prior to insertion of a GCS® B screw implant, a bone compression with the bone-expanding screw should be performed. In addition, with a narrow alveolar ridge, an expansion of the alveolar ridge can be performed with the bone-expanding screw. By inserting the bone-expanding screw, it can be checked whether the GCS® B screw implant can be inserted into the bone easily and fully. Titanium alloy Ti6Al4V, machined. Tighten with IT K, ITS K or ITX K using the torque ratchet TW2 (max. 45 Ncm), or alternatively RAT 2. Package unit: 1 piece, non-sterile

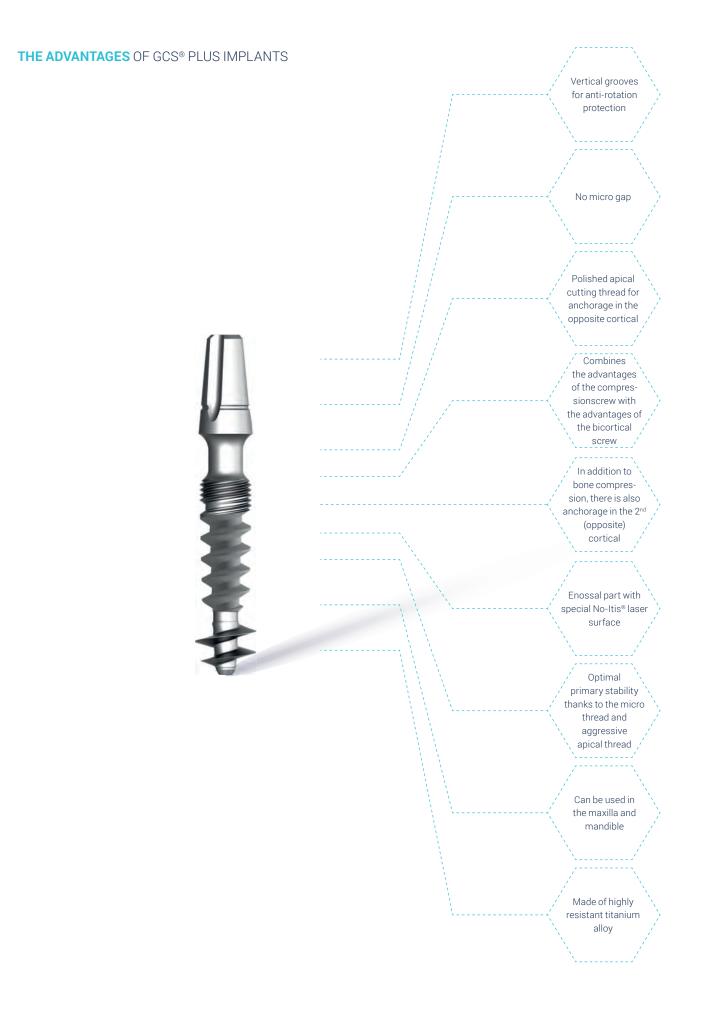


Description	Code KDS	Enossal Ø	Enossal length	Neck Ø	REF	Price cat.
KDS 3.0 10	А	3.0 mm	10 mm	2.0 mm	BM1173	F
KDS 3.0 12	В	3.0 mm	12 mm	2.0 mm	BM1174	F
KDS 3.0 15	С	3.0 mm	15 mm	2.0 mm	BM1003	F
KDS 3.2 12	D	3.2 mm	12 mm	2.5 mm	BM1175	F
KDS 3.2 15	E	3.2 mm	15 mm	2.5 mm	BM1176	F
KDS 3.7 12	F	3.7 mm	12 mm	2.8 mm	BM1177	F
KDS 3.7 15	G	3.7 mm	15 mm	2.8 mm	BM1004	F
KDS 4.1 8	Н	4.1 mm	8 mm	2.8 mm	BM1178	F
KDS 4.1 10	I	4.1 mm	10 mm	2.8 mm	BM1179	F
KDS 4.1 12	К	4.1 mm	12 mm	2.8 mm	BM1180	F
KDS 4.1 15	L	4.1 mm	15 mm	2.8 mm	BM1005	F
KDS 4.1 17	Μ	4.1 mm	17 mm	2.8 mm	BM1181	F
KDS 4.1 19	Ν	4.1 mm	19 mm	2.8 mm	BM1182	F

a) Abutment Ø	3.35 mm
b) Abutment height	6.8 mm
c) Enossal length	8 - 19 mm
d) Enossal Ø	3.0 - 4.1 mm
e) Neck Ø	2.0 - 2.8 mm

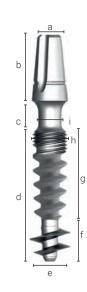
The bone-expanding screws can easily be screwed in using suitable insertion tools and immediately screwed out again after reaching the full insertion depth. Subsequently, the **GCS® B** implant is inserted. With the **GCS® B** (bendable), **the use of bone-expanding screws is mandatory regardless of the region**, so that the shear forces occurring during insertion do not fracture the implant neck.

Do not use for GCS® implants with microthread.



GCS® PLUS IMPLANTS

GCS® PLUS are made in one piece and have a polished apical cutting thread for anchorage in the opposite cortical. GCS® Plus combines the advantages of the compression screw with the advantages of the bicortical screw: in addition to bone compression, there is also anchorage in the 2nd cortical (opposite cortical). Can be used in the maxilla and mandible. Made of titanium alloy Ti6Al4V, laserd. Tighten with **IT2 GBC**.



Neck Ø	Compression thread	Enossal length	REF	Price cat.
2.5 mm	9 mm	12 mm	BM1140	G
2.5 mm	11 mm	14 mm	BM1141	G
2.5 mm	13 mm	16 mm	BM1142	G
2.5 mm	16 mm	19 mm	BM1143	G
2.5 mm	20 mm	23 mm	BM1136	G
2.8 mm	6 mm	9 mm	BM1144	G
2.8 mm	9 mm	12 mm	BM1145	G
2.8 mm	11 mm	14 mm	BM1146	G
2.8 mm	13 mm	16 mm	BM1147	G
2.8 mm	20 mm	23 mm	BM1138	G
2.8 mm	6 mm	9 mm	BM1148	G
2.8 mm	9 mm	12 mm	BM1149	G
2.8 mm	11 mm	14 mm	BM1150	G
2.8 mm	13 mm	16 mm	BM1151	G
	2.5 mm 2.5 mm 2.5 mm 2.5 mm 2.5 mm 2.8 mm 2.8 mm 2.8 mm 2.8 mm 2.8 mm 2.8 mm 2.8 mm 2.8 mm	2.5 mm9 mm2.5 mm11 mm2.5 mm13 mm2.5 mm16 mm2.5 mm20 mm2.8 mm6 mm2.8 mm9 mm2.8 mm11 mm2.8 mm20 mm2.8 mm13 mm2.8 mm9 mm2.8 mm9 mm2.8 mm10 mm2.8 mm9 mm2.8 mm9 mm2.8 mm11 mm2.8 mm9 mm2.8 mm11 mm	2.5 mm 9 mm 12 mm 2.5 mm 11 mm 14 mm 2.5 mm 13 mm 16 mm 2.5 mm 13 mm 16 mm 2.5 mm 16 mm 9 mm 2.5 mm 20 mm 23 mm 2.5 mm 6 mm 9 mm 2.8 mm 9 mm 12 mm 2.8 mm 11 mm 14 mm 2.8 mm 20 mm 23 mm 2.8 mm 13 mm 16 mm 2.8 mm 20 mm 23 mm 2.8 mm 9 mm 12 mm 2.8 mm 9 mm 12 mm 2.8 mm 11 mm 14 mm 2.8 mm 9 mm 12 mm 2.8 mm 11 mm 14 mm	2.5 mm9 mm12 mmBM11402.5 mm11 mm14 mmBM11412.5 mm13 mm16 mmBM11422.5 mm16 mm19 mmBM11432.5 mm20 mm23 mmBM11362.8 mm6 mm9 mmBM11442.8 mm9 mm12 mmBM11452.8 mm11 mm14 mmBM11462.8 mm20 mm23 mmBM11452.8 mm9 mm12 mmBM11462.8 mm6 mm9 mmBM11472.8 mm20 mm23 mmBM11382.8 mm6 mm9 mmBM11482.8 mm9 mm12 mmBM11492.8 mm11 mm12 mmBM11492.8 mm11 mm14 mmBM1150

a) Abutment Ø	3.9 mm
b) Abutment height	7.2 mm
c) Neck length	3.5 mm
d) Enossal length	9 - 23 mm
e) Apical thread Ø	4.5 mm
f) Area for 2 nd cortical engagement	3.0 mm
g) Enossal compression region	6 - 20 mm
h) Enossal Ø	3.7 / 4.1 / 5.0 mm
i) Neck Ø	2.5 / 2.8 mm

GCS[®] implants are delivered incl. lab-set REF 462353, consisting of

Double analogue, plastic

IA4/IAU BM5118



Impression post castable, internally edged, for large head **PA X**

BM1429

Impression post castable, internally round, for small head **TSPA 4**

BM1394

NOTE This is a standard lab-set and therefore contains parts for both LARGE abutment heads (PA X) and SMALL abutment heads (TSPA 4).

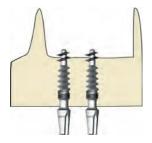


(not secured against rotation).

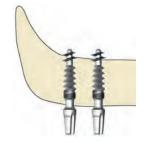
EXAMPLE OF USE OF GCS® PLUS IMPLANTS



Bicortical anchorage of a **GCS® Plus** implant in the atrophied distal mandible.



Bicortical anchorage of a **GCS® Plus** implant in the area of the nasal floor.



Bicortical anchorage of **GCS® Plus** implants (Ø 3.7 and 4.1) in the area of the maxillary sinus.

NOTE - GCS® Plus may only be operated/used by validly authorized users. Only polished implant parts may penetrate a maximum of 1.5 mm into the opposite cortical. For a given indication (min. three stable implants, sufficient bone quality, etc.). **GCS® Plus** are suitable for immediate loading.

AUXILIARY TOOL

Auxiliary tool for determining the plane of bite in relation to the Camper's plane and the bipupillary line during the creation of the upper jaw part of the bite registration. Can be used with wax or silicone.



THE ADVANTAGES OF GCS® TX IMPLANTS

Compression screw implant with an extended polished and bendable neck

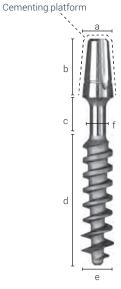
For anchorages in the tuberosity and in regions with large mucosal thickness

Is preferably used without flap preparation

The nominal Ø is reached at the widest part of the compression thread

GCS® TX IMPLANTS

GCS® TX is a compression screw implant with an extended polished and bendable neck (6 mm) for anchorages in the tuberosity and in regions with large mucosal thickness. The roughened thread parts must be completely submerged in the bone. GCS® TX is preferably used without flap preparation. The nominal diameter is reached at the widest part of the compression thread.



orm	Description	Enossal Ø	Enossal length	REF	Price cat.
`. <u>a</u>	GCS TX 3.0 12	3 mm	12 mm	BM1610	F
	GCS TX 3.0 15	3 mm	15 mm	BM1611	F
	GCS TX 3.0 18	3 mm	18 mm	BM1612	F
H	GCS TX 3.7 12	3.7 mm	12 mm	BM1615	F
W	GCS TX 3.7 15	3.7 mm	15 mm	BM1616	F
Harran f	GCS TX 3.7 18	3.7 mm	18 mm	BM1617	F
4	GCS TX 4.0 12	4 mm	12 mm	BM1060	F
	GCS TX 4.0 15	4 mm	15 mm	BM1061	F
2	GCS TX 4.0 18	4 mm	18 mm	BM1062	F
I	GCS TX 4.0 21	4 mm	21 mm	BM1063	F

a) Abutment Ø	3.9 mm
b) Abutment height	7.2 mm
c) Neck length	6 mm
d) Enossal length	12 - 21 mm
e) Max. enossal Ø	4 mm
f) Neck Ø	2 mm

Max. insertion torque 80 Ncm



GCS® implants are delivered incl. lab-set REF 462353, consisting of



IA4/IAU

BM5118

Impression post castable, internally edged, for large head PA X

Double analogue, plastic

BM1429

Impression post castable, internally round, for small head TSPA 4 BM1394

NOTE This is a standard lab-set and therefore contains parts for both LARGE abutment heads (PA X) and SMALL abutment heads (TSPA 4).



ACCESSORIES

Analogue IAB Pack of 5 **REF** BM5120

Price cat. B

Impression post **TSPA 5** Pack of 5

REF BM1393

Price cat. B

The red impression cap and the red analogue are round (not secured against rotation).

INSERTION TOOLS

		Description	Code	REF	Price cat.
	0	Insertion tool long, for large head Use with RAT 2 or TW2	UST 1 M	BM2064	Е
	0	Insertion tool short, for large head Use with RAT 2 or TW2	UST 2 M	BM2110	E
Him	0	Length 23 mm, for GCS and GBC implants	IT2W	BM3339	E
	0	Adapter for implants with large head For handgrip 311431 (see page 50)	Adapter UST 1	BM2063	F

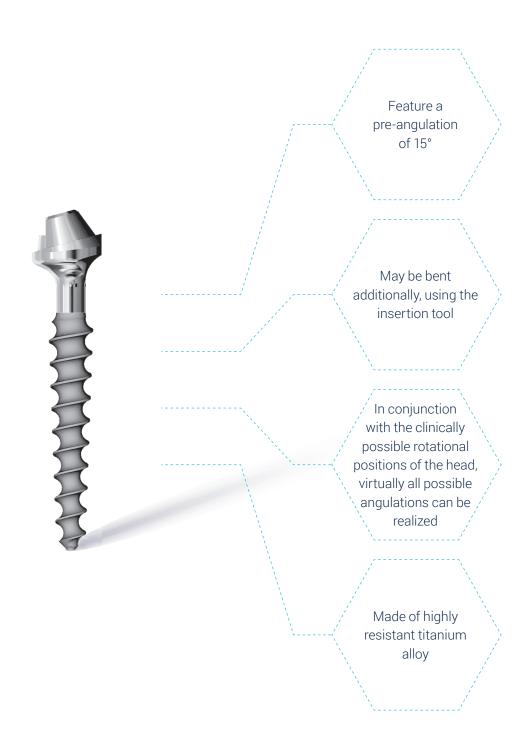
IMPRESSION TAKING AND LABORATORY ACCESSORIES

Description	Unit	Code	REF	Price cat.
Impression post castable, POM Internally round	Pack of 5	TSPA 5*	BM1393	В
Impression post castable Internally edged	Pack of 5	ΡΑΧ	BM1429	В
Double analogue, plastic For large and small head	Pack of 5	IA4/IAU	BM5118	В
Double analogue aus Metal For large and small head	1 piece	IA4/IAU	BM5119	Α
Castable abutment for large head Internally round	Pack of 5	РОВ	BM5121	В

***TSPA 4 and 5** For impressions on ground-down implant heads.

This ring-transfer exposes the lower border of the abutment head. The impression is then poured with extra-strong gypsum or epoxi-resin. For this techniques no implant analogues are needed. Material: PP

THE ADVANTAGES OF GCS® MU IMPLANTS



GCS® MU IMPLANTS

GCS® MU implants feature a pre-angulation of 15 degrees. GCS® MU may be bent additionally, using the insertion tool. In conjunction with the clinically possible rotational positions of the head, virtually all possible angulations can be realized. Material Ti6Al4V.

a .	Description	Enossal Ø	Enossal length	REF	Price cat.
b g	GCS MU 3.0 15	3.0 mm	15 mm	BM1152	L
<u>_</u>	GCS MU 3.2 12	3.2 mm	12 mm	BM1233	L
c f	GCS MU 3.2 15	3.2 mm	15 mm	BM1234	L
Ť 📛	GCS MU 3.7 10	3.7 mm	10 mm	BM1235	L
7	GCS MU 3.7 12	3.7 mm	12 mm	BM1236	L
	GCS MU 3.7 15	3.7 mm	15 mm	BM1153	L
d A	GCS MU 4.1 8	4.1 mm	8 mm	BM1237	L
	GCS MU 4.1 10	4.1 mm	10 mm	BM1238	L
	GCS MU 4.1 12	4.1 mm	12 mm	BM1154	L
	GCS MU 4.1 15	4.1 mm	15 mm	BM1155	L
e e	GCS MU 5.0 10	5.0 mm	10 mm	BM1156	L
	GCS MU 5.0 12	5.0 mm	12 mm	BM1139	L
a) Abutment Ø	4.8 mm		-		
b) Abutment height	3.7 mm		Multi-Unlt		Screw in
c) Trans-mucosal height	3 mm		Ben		sci
d) Enossal length	8 - 15 mm		\bigvee		
e) Enossal Ø	3.0 - 5.0 mm				
f) Neck Ø	2 mm				
g) Height of connecting part	2 mm				
Prosthetic screw	SFK MU				

MULTI-UNIT LAB SET



Description Titanbasis Use with SF K MU	Code T-Base MU	REF BM3169	Price cat.
Castable abutment Use with T-Base and SF KMU	PA2 MU	BM3170	
Prosthetic screw For GCS® MU and GBC® MU	SF K MU	BM3159	
COMPLETE SET		BM3112	E

ACCESSORIES SINGLE-PIECE MULTI-UNIT IMPLANTS

	Description		Code	REF	Price cat.
	Insertion tool for GCS [®] MU, GBC [®] MU and Hexacone [®] Plus MU 15 [°] Use with IT2 GBC, IT2 S GBC, AH MU Tool HT 1.25		ITX MU15	BM3222	G
arrest a	 Insertion tool long For large head Use with RAT2 and TW2, length 19 mm 		UST 1 M	BM2064	E
	 Insertion tool short For large head Use with RAT2 and TW2, length 7 mm 		UST 2 M	BM2110	E
	Adapter for handgrip Fits ITX MU15 (REF BM3222)		Adapter UST 1	BM2063	F
	Description		Code	REF	
	Hex Instrument 1.25, length 14 mm		HTS 1.25	BM3023	С
	Hex Instrument 1.25, length 21 mm	medium	HT 1.25	BM3022	С
	Hex Instrument, length 45 mm	long	HTX 1.25	BM7764	C
	Scan abutment for MU implants Incl. screw SSA MU Sterilisable, two-part, material Ti6Al4V		SAB MU	BM3135	D
	Prosthetic screw for GCS® MU and GBC® MU		SF K MU	BM3159	В
Parts for passive connection of the bridge frame	Castable abutment Use with T-Base and SF K MU		PA2 MU	BM3170	В
1	Titanium base * Use with SF K MU (REF 418164) For GCS® MU, GBC® MU and Hexacone® Plus MU		T-Base MU	BM3169	В
	Prosthetic screw For GCS® MU and GBC® MU		SF K MU	BM3159	В
Parts for UCLA technique	Castable abutment UCLA For direct use on MU implants SF K MU sold separately		PA MU	BM3200	В
Part for UCLA technique & passive connection	Digital lab analogue for MU implants* For GCS® MU, GBC® MU and Hexacone® MU		IA K MU	BM3178	В
I	Long screw for prosthetic use or as pick-up screw for use with HLT MU Tool: HT 1.25, material Ti6Al4V		SFL MU	BM3218	В
	Delivery Incl. SFL MU	Works with all MU implants	HLT MU	BM3152	С
	Temporary base SF K MU or SFL MU sold separately		TC MU	BM3151	D

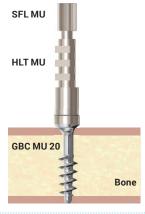
* PLEASE GO TO HTTPS://IMPLANT.COM/EN/DOWNLOADS TO DOWNLOAD THE CORRESPONDING STL FILES SEE PAGE 49 FOR SCANBODIES FOR DIGITAL IMPRESSIONS ON MU IMPLANTS

APPLICATION OF SINGLE-PIECE MULTI-UNIT IMPLANTS

1.

Tighten screw SFL MU with the tool HT 1.25.

Fix the transfer with the long screw, then take pick-up-impression.



T-Base is sandblasted from the outside and cleaned.

The bridge frame is sandblasted from below in the area of the implants.



5.

4.

All T-Base are fixed to the implants with SF K MU or the long screw SFL MU. Then all T-Base are glued with adhesive cement to the bridge frame.

This guarantees a passive fit. Composite excess is removed and the site is polished.



6.

Now the bridge may be screwed on passive with SF K MU.

Screw canals are closed with temporary filling material or composite, taking into consideration that later access must be possible.



Application AH-MU Adapter of insertion tool MU Example for insertion tool ITX MU15 on the implant GBC® MU / GCS® MU. ITX MU15

or T2 GBC/IT GBC + RAT 2 HT 1.25

GBC MU

2.

Connect the transfer to the implant analogue (IA K MU) and pour the impression with gypsum.



3. a

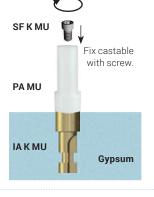
Connect PA MU with SF K MU on the analogue IA K MU. Tighten screw SFL MU with the tool HT 1.25.

Now the modulation can be created and the frame is veneered. Veneering is possible with acryl, composite and ceramics.

3. b

T-Base is positioned over the analogue and screwed on with SF K MU. The cartable PA2 MU is then fitted on top of the T-Base.

Now the modulation is made. Veneering is possible with acryl, composite and ceramics.



Castable is

positioned on T-Base.

Gypsum

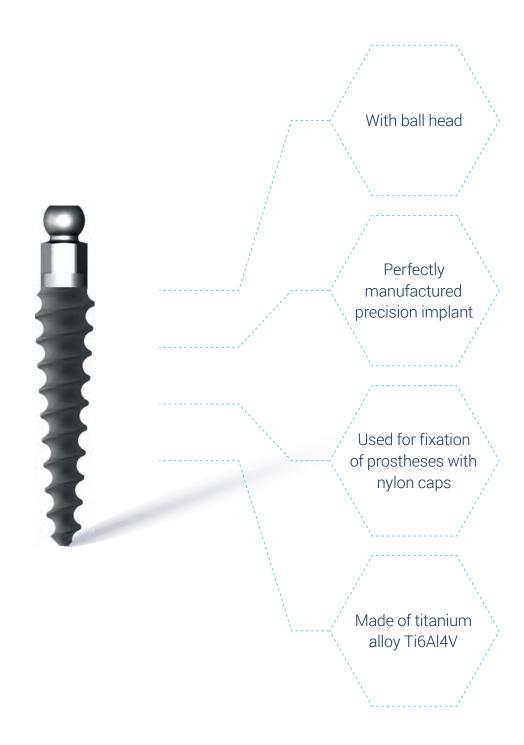
PA2 MU

SF K MU

T-Base

IAKMU

THE ADVANTAGES OF GCS® K IMPLANTS



GCS® K IMPLANTS

Perfectly manufactured precision implant made of highly fracture-resistant titanium alloy Ti6Al4V. **GCS® K** implants with ball head are used for fixation of prostheses with nylon caps.



Description	Code KDS	Enossal Ø	Enossal length	REF	Price cat.
GCS K 3.0 12	В	3.0 mm	12 mm	BM1169	F
GCS K 3.0 15	С	3.0 mm	15 mm	BM1168	F
GCS K 3.7 12	F	3.7 mm	12 mm	BM1170	F
GCS K 3.7 15	G	3.7 mm	15 mm	BM1171	F
GCS K 4.1 15	L	4.1 mm	15 mm	BM1172	F

a) Ball head Ø	2.5 mm
b) Abutment height	4.1 mm
c) Length	5.6 mm
d) Enossal length	12 - 15 mm
e) Enossal Ø	3.0 / 3.7 / 4.1 mm
f) Height of hexagon	1.8 mm

ACCESSORIES

Description IAK Lab analogu	e	Unit	Code IAK	REF BM1324	Price cat. B
Nylon cap trans (EXTERNAL PRO	parent, Pull-off force ca. 1200g DDUCT)	Pack of 2	NC	465028	A1
Nylon cap pink, I (EXTERNAL PRO	Pull-off force ca. 800g DDUCT)	Pack of 2	NC 1	465029	A1
Nylon cap yellov (EXTERNAL PRO	v, Pull-off force ca. 500g DDUCT)	Pack of 2	NC 2	465030	A1
Green, strong	Nylon caps R-NC With increased friction strength	Pack of 2	R-NC	465034	A1
Pink, medium	Only with reduced diameter ball ≤ 2.3 mm (EXTERNAL PRODUCT)	Pack of 2	R-NC 1	465033	A1
Orange, soft		Pack of 2	R-NC 2	465032	A1
Metal sleeve for (EXTERNAL PRO			н	465031	В
Giessbare Kugel	for einteiligen Abdruck with Stegver	bindung	PA SB	BM6652	A

BALL ADAPTER (SPARE BALL)





Ball adapter for GCS® K implants, cementable



REFPrice cat.BM1328B

INSERTION TOOLS

	Description For GCS, GCS B, KDS	Type long	Length 20 mm	Code IT K	REF BM1336	Price cat. D
	For GCS, GCS B, KDS	extralong	45 mm	ІТХ К	BM1337	D
	For GCS, GCS B, KDS	short	7 mm	UST 1 S	BM1338	D
Hex	For GCS, GCS B, KDS Only for W&H contra-angle with new drive	contra-angle/ hex	23 mm	ІТШН К	BM1339	D
	For GCS, GCS B, KDS	contra-angle	23 mm	ІТ К	BM1340	D
	For GCS K	long	20 mm	ІТ ТВ К	BM1345	D
	For GCS B Emergency tool for retrieving GCS® B	long	20 mm	Tool E	BM3336	D

INSTRUMENTS AND **TOOLS**



Description	Length	Code	REF	Price cat.
Drill extension Extends by 19 mm		DX 2	BM1349	D
Standardized probe. 1 mm scale For radiological measurements	22 mm	PDG	BM1350	Α
Radiological measure pin Fits DOS 1		RMS	BM1364	Α
Ratchet for all Hex instruments and insertion tools		RAT2	BM1352	к
Torque wrench 10-70 Ncm		TW2 *	BM1356	S

* It is recommended to have the torque ratchets recalibrated by us once a year.

HARD METAL BONE CUTTER

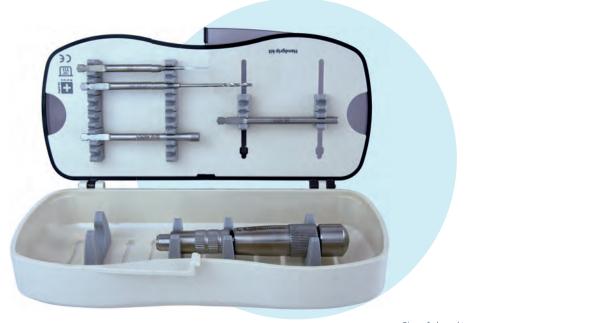
Description	Length	Code	REF	Price cat.
Hard metal bone cutter short, for FG	30 mm	SHMC S	BM6026	F
Hard metal bone cutter long, for FG	36 mm	SHMC L	BM6027	F

HANDGRIP SELF LOCKING, CANNOT BE DISMANTLED

Please note the cleaning instructions on www.implant.com/en/downloads

			DRILLS				
		RRB 1	Description Adapter	Length 100 mm	Code BCD 1 Adapter	REF BM1222	Price cat. F
	Length 110 mm		Twist Drill	110 mm	Twist Drill 2.0	BM1220	F
	REF BM1360 Price cat.		INSERTION TOOL				
	v		Description For GCS®, GCS® B, KDS, GBC 3.5, GBC 4.5	Length 70 mm	Code Adapter UST 2	REF BM2062	Price cat. D
U			For GCS [®] X, GCS [®] TX, GCS [®] Plus, GBC 3.6, GBC 4.6, ab > 5.5	70 mm	Adapter UST 1	BM2063	F

HANDGRIP TRAY



Size of closed tray **W** 195 mm **D** 90 mm **H** 45 mm For all autoclaves

Description	Length	REF	Price €
BCD 1 Adapter	100 mm	BM1222	
Twist Drill 2.0	110 mm	BM1220	
Adapter UST 2	70 mm	BM2062	
Adapter UST 1	70 mm	BM2063	
Handgrip	110 mm	BM1360	
Handgrip tray w/o content		BM2061	upon request
Handgrip tray with content		SBM2061	upon request

Please read our detailed instructions for cleaning and re-sterilization of surgical instruments on https://implant.com/en/downloads **INSTRUMENT T**RAY FOR GCS[®] AND GBC[®]



Size of closed tray **W** 175 mm **D** 145 mm **H** 65 mm For all autoclaves. Autoclaveable up to 134° C, not suitable for dry heat sterilizers.

Description	System	Head	REF	Description	System	REF	Price €
IT2 GBC	GCS/GBC	large	BM2064	Twist Drill 2.0 30	GBC *	BM1362	
IT2 S GBC	GCS/GBC	large	BM2110	Twist Drill 2.0 21	GBC *	BM1361	
IT2 W	GCS/GBC	large	BM3339	Twist Drill 2.5 21	GBC *	BM1363	
IT K	GCS/GBC	small	BM1336	BCD 1	GCS/GBC	BM2100	
UST 1 S	GCS/GBC	small	BM1338	BCD 2	GCS/GBC	BM2101	
ITW K	GCS/GBC	small	BM1340	BCD 3	GCS/GBC	BM2102	
ITWH K	GCS/GBC	small	BM1339	BCDX 1	GCS/GBC	BM2103	
DOS 1	GCS		BM1330	BCDX 2	GCS/GBC	BM2104	
DOS 2	GCS		BM1331	BCDX 3	GCS/GBC	BM2105	
DOS 3	GCS		BM1332	RMS	GCS/GBC	BM1364	
DOS 4	GCS		BM1333	RMS	GCS/GBC	BM1364	
DOS 5	GCS		BM1334	DX 2	GCS/GBC	BM1349	
C-Drill KM 1	GCS		BM1071	TW2	GCS/GBC	BM1356	
C-Drill KM 2	GCS		BM1072				
C-Drill KM 3	GCS		BM1073	Instrument tray w/	o content	BM4264	upon request
DS 2	GCS		BM1359	Instrument tray wit	th content	SBM4264	upon request
ІТ ТВ К	GCS		BM1345	* Tho	ontont for the cu	ustem GBC® is on	tional

* The content for the system GBC® is optional

DRILLSTOP TRAY

	N	lot suitab	le for c	dry heat s	terilizers	Description	REF	Price €
						Drillstopp B	BM1501	
Tiefe	Drills	Drillstop	Tiefe	Drills	Drillstop	Drillstopp C	BM1502	
	3.0 (3.2) DOS 1	к	GCS 4. 8	.1 DOS 3	L	Drillstopp D	BM1503	
10	DOS 1	н	0 10	DOS 3	K	Drillstopp F	BM1505	
15	DOS 1	D	12 15	DOS 3 DOS 4	н к	Drillstopp H	BM1507	
GCS	3.7 DOS 2	1Z	17	DOS 4	н	Drillstopp K	BM1510	
10	DOS 2	к Н	19	DOS 4	F	Drillstopp L	BM1511	
15	DOS 2	D	GCS 5.	.0 DOS 5 (6)	к	Drill DOS 1	BM1330	
vos			12	DOS 5 (6)	н	Drill DOS 2	BM1331	
INDEDENTALT	-		15	DOS 5 (6)	D	Drill DOS 3	BM1332	
						Drill DOS 4	BM1333	
山村学家/在 一个	1 Ju	Le				Drill DOS 5	BM1334	
	and nat and contract	or 1				Drill DOS 6	BM1335	
1001 Och						Tray with content	BM4209	498.00

IT HAS BEEN SCIENTIFICALLY PROVEN

Heatless® drills by Dr. Ihde Dental generate 55 % less heat than traditional bone drills from other manufacturers. This makes it possible to use higher rotational speeds: between 3,000 and 5,000 rpm are recommended with good external cooling and intermittent drill technique.

STARTER TRAY



Description	REF	Price €
IT K	BM1336	
UST 1 S	BM1338	
C-Drill KM 1	BM1071	
C-Drill KM 2	BM1072	
C-Drill KM 3	BM1073	
UST 1 M	BM2064	
UST 2 M	BM2110	
DOS 1	BM1330	
DOS 2	BM1331	
DOS 3	BM1332	
BCDX 1	BM2103	
Torque wrench TW2	BM1356	
HT 1.25	BM3022	optional content
ITX MU 15	BM3222	opt cor
Starter tray w/o content	BM6500	upon request
Starter tray with content	SBM6500	upon request

INDICATIONS GCS® II GCS® MICRO

- · Anchorage of crowns, bridges and bars, with the presence of adequate bone supply in terms of bone quality, bone width and bone height
- Anchorage of prostheses via bar and button anchorage systems
- Not for use in combination with simultaneous bone augmentations

RESTRICTIONS FOR GCS® B APPLICATION

- · These two implant types may only be used as support implants in the reduced-load area
- $\cdot \quad \text{Splinting of at least three and possibly several implants for cross arch stabilisation}$
- At least one $\textbf{GCS}^{\texttt{0}}$ or $\textbf{GCS}^{\texttt{0}}$ Micro implant must be involved in the construction
- The prosthetic restoration must be securely fixed (with definitive cements)
- Not to be used for segmented bridges without the involvement of at least two $\textbf{GCS}^{\texttt{0}}$ screws
- If in doubt, angulation adapters on $\mathbf{GCS}^{\texttt{o}}$ screws are preferable to the $\mathbf{GCS}^{\texttt{o}}$ \mathbf{B} implant
- Not to be used for additional abutments in combination with natural teeth
- · Not to be used under off-axis load as well as in deep-bite cases in the maxillary and mandibular anterior region
- Max. width of occlusal surface 5 mm
- Not to be used as terminal abutments
- Bendable up to 13 degrees

NOTES ON THE CARE OF SURGICAL STEEL INSTRUMENTS

Surgical steel instruments can quickly become damaged if inadequately or improperly cared for. Only the special solvents for cleaning surgical steel should be used; in case of doubt, consult **Dr. Ihde Dental GmbH / AG**.

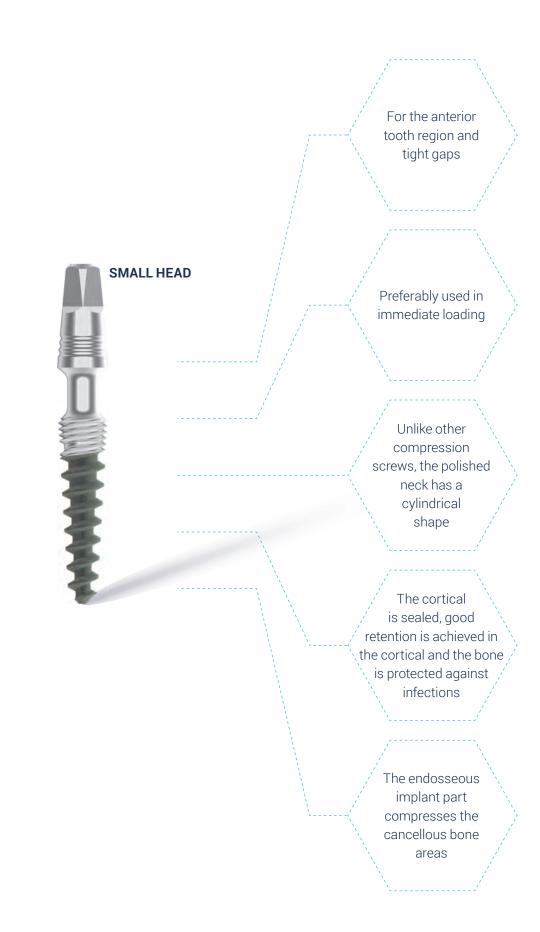
The following are not recommended:

- · Disinfectants/cleaners with a high chlorine content
- · Disinfectants/cleaners with a high oxalic acid content

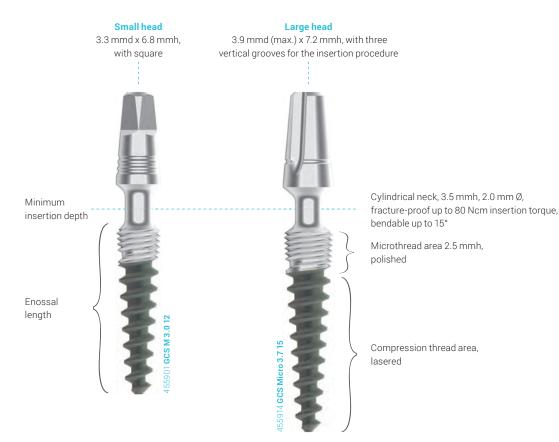
For instruments with colour coding, the following are <u>NOT</u> recommended:

- · Excessively high solvent concentrations, disinfectants/cleaners with the components mentioned above
- · Excessive temperatures during cleaning and sterilization (no dry heat sterilization)

THE ADVANTAGES OF GCS® M IMPLANTS



GCS® M AND MICRO IMPLANTS



MATERIAL

TiGAL4V, also known as "Grade 5", is the high-purity version of the conventional 6/4 Ti alloy, which is used for more than 50% of all metallic human implants. This material is the first choice for all applications which require high stability, corrosion resistance and mechanical strength. This is why today's most modern dental implant designs are made of this material. This titanium alloy is superior to the alternatively used pure titanium in terms of stability by more than 25%. Also regarding biocompatibility and the support of bone cell growth, this titanium alloy shows advantages compared to pure titanium.

FUNCTIONALITY

The one-piece GCS[®] M / GCS[®] Micro dental implant is preferably used in immediate loading. Unlike other compression screws, the polished neck has a cylindrical shape. Thus, the cortical is sealed, good retention is achieved in the cortical and the bone is protected against infections. At the same time, the endosseous implant part compresses the cancellous bone areas.

NOTE The smooth microthread must be completely submerged below the bone level. The cylindrical neck must extend into the bone at least 1 mm deep. Therefore, the implant must be selected so that at least 1.5 mm more usable vertical bone is present than the nominal length of the implant. **Example** For GCS Micro 3.7 15, 17 mm of usable vertical bone must be present. If in doubt, a shorter implant should be selected so as to ensure a sufficient insertion depth.

DRILLING PROCEDURE

The pilot hole is made with the drills of the GCS® system. Except in very dense mandibular bone, the pilot hole is usually sufficient with BCD1 or DOS1.

INSERTION

The implant can be inserted most easily with the handgrip (REF 311431) and the adapter (REF 900 037). When using the ratchet RAT2, small or medium insertion tools are used. Max. torque is 80 Ncm.

THE IMPLANTS ARE SUPPLIED WITH TWO DIFFERENT HEAD SIZES

GCS[®] M implants are supplied with a small head; they also fit in small individual tooth gaps. GCS[®] Micro implants are supplied with a large head. This head permits easy and speedy prosthetic restoration.

GCS® M IMPLANTS WITH SMALL ABUTMENT HEAD

GCS® M with small head for the anterior tooth region and tight gaps. Material Ti6Al4V.



Description	Enossal Ø	Enossal length	Neck Ø	Drill *	REF	Price cat.
GCS M 3.0 10	3.0 mm	10 mm	2 mm		BM6252	F
GCS M 3.0 12	3.0 mm	12 mm	2 mm	DOS 1	BM6253	F
GCS M 3.0 15	3.0 mm	15 mm	2 mm	or	BM6254	F
GCS M 3.2 12	3.2 mm	12 mm	2 mm	BCD 1	BM6255	F
GCS M 3.2 15	3.2 mm	15 mm	2 mm)		BM6256	F
GCS M 3.7 6	3.7 mm	6 mm	2 mm		BM6250	F
GCS M 3.7 8	3.7 mm	8 mm	2 mm	DOS 2	BM6251	F
GCS M 3.7 10	3.7 mm	10 mm	2 mm	or	BM6257	F
GCS M 3.7 12	3.7 mm	12 mm	2 mm	BCD 2	BM6258	F
GCS M 3.7 15	3.7 mm	15 mm	2 mm)		BM6259	F

* In very hard bone, it may be additionally necessary to make a cylindrical hole with a twist Drill 2.5 mmd to a depth of 2.5 mm.

a) Abutment Ø	3.35 mm
b) Abutment height	6.8 mm
c) Neck length	3.5 mm
d) Enossal length	6 - 15 mm
e) Enossal Ø	3.0 - 3.7 mm
f) Neck Ø	2.0 mm
g) Square AF (across flats)	1.9 mm

Max. insertion torque 80 Ncm



GCS[®] implants are delivered incl. lab-set REF 462353, consisting of



Double analogue, plastic

IA4/IAU BM5118

Impression post castable, internally edged, for large head PA X

BM1429



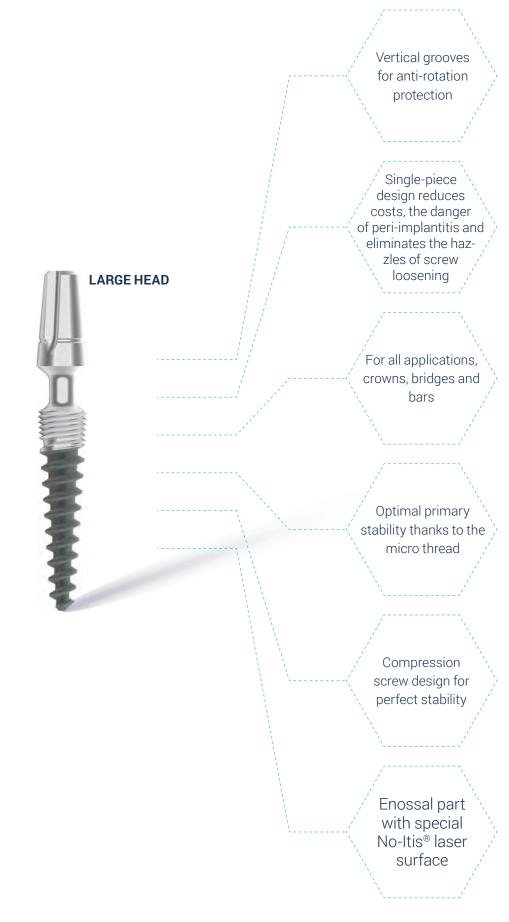
Impression post castable, internally round, for small head **TSPA 4**

BM1394

NOTE This is a standard lab-set and therefore contains parts for both **LARGE** abutment heads (**PA X**) and **SMALL** abutment heads (**TSPA 4**).



THE ADVANTAGES OF GCS® MICRO IMPLANTS



GCS® MICRO IMPLANTS WITH LARGE ABUTMENT HEAD

GCS® Micro with large head for all applications. Material Ti6Al4V.



Description	Enossal Ø	Enossal length	Neck Ø	Drill *	REF	Price cat.
GCS Micro 3.7 6	3.7 mm	6 mm	2.0 mm	DOS 2 / BCD 2	BM1460	F
GCS Micro 3.78	3.7 mm	8 mm	2.0 mm	DOS 2 / BCD 2	BM1461	F
GCS Micro 3.7 10	3.7 mm	10 mm	2.0 mm	DOS 2 / BCD 2	BM1462	F
GCS Micro 3.7 12	3.7 mm	12 mm	2.0 mm	DOS 2 / BCD 2	BM1463	F
GCS Micro 3.7 15	3.7 mm	15 mm	2.0 mm	DOS 2 / BCD 2	BM1464	F
GCS Micro 4.1 8	4.1 mm	8 mm	2.0 mm	DOS 3 / BCD 3	BM1470	F
GCS Micro 4.1 10	4.1 mm	10 mm	2.0 mm	DOS 3 / BCD 3	BM1471	F
GCS Micro 4.1 12	4.1 mm	12 mm	2.0 mm	DOS 3 / BCD 3	BM1472	F
GCS Micro 4.1 15	4.1 mm	15 mm	2.0 mm	DOS 3 / BCD 3	BM1473	F
GCS Micro 5 10	5.0 mm	10 mm	2.0 mm	DOS 5	BM1475	F
GCS Micro 5 12	5.0 mm	12 mm	2.0 mm	DOS 5	BM1476	F

* In very hard bone, it may be additionally necessary to make a cylindrical hole with a twist Drill 2.5 mmd to a depth of 2.5 mm.

a) Abutment Ø	3.9 mm
b) Abutment height	7.2 mm
c) Neck length	3.5 mm
d) Enossal length	6 - 15 mm
e) Enossal Ø	3.7 - 5.0 mm
f) Neck Ø	2.0 mm

Max. insertion torque 80 Ncm



GCS® implants are delivered incl. lab-set REF 462353, consisting of



IA4/IAU BM5118

Impression post castable, internally edged, for large head **PA X**

Double analogue, plastic

BM1429

Impression post castable, internally round, for small head TSPA 4 BM1394

NOTE This is a standard lab-set and therefore contains parts for both LARGE abutment heads (PA X) and SMALL abutment heads (TSPA 4).





IMPRESSION TAKING AND LABORATORY ACCESSORIES

FOR SMALL HEAD	Description Impression post castable, POM Internally round	Unit Pack of 5	Code TSPA 4	REF BM1394	Price cat. B
	Impression post castable, POM Internally round	Pack of 5	TSPA 4	BM1372	В
	Castable abutment and base for provisionals For small head 7 mm high, white, internally round	Pack of 5	P04	BM1317	В
	Double analogue, plastic For large and small head	Pack of 5	IA4/IAU	BM5118	В
	Double analogue, metal For large and small head	1 piece	IA4/IAU	BM5119	A
FOR LARGE HEAD	Impression post castable Internally edged	Pack of 5	ΡΑΧ	BM1429	В
	Castable abutment for large head Internally round	Pack of 5	POB	BM5121	В



TITANIUM CAPS



Description	Material	Code	REF	Price cat.
Titanium cap, radio opaque For small head	Ti6Al4V weldable	MA4	BM6024	В
Titanium cap, radio opaque For large head	Ti6Al4V weldable	MA5	BM6025	В

CORTICAL MILLING FOR GCS® M AND GCS® MICRO



Description		Code	REF	Price cat.
C-Drill KM1 3.0 - 3.2	Cortical milling	C-Drill KM1	BM1071	E
C-Drill KM2 3.7 - 4.1	Cortical milling	C-Drill KM2	BM1072	E
C-Drill KM3 5.0	Cortical milling	C-Drill KM3	BM1073	E

00/11/202					
					View from top
Description	Scanbody-4 Cylyndrical, for small head	Description	Scanbody-5 Cylyndrical, for large head	Description	Scanbody-MU Cylyndrical
Systems	GCS®, GBC®	Systems	GCS [®] , GBC [®]	Systems	GCS® MU, GBC® MU, GIH® MU
REF	BM1561	REF	BM1562	REF	BM1563
Price cat.	B (Pack of 5)	Price cat.	B (Pack of 5)	Price cat.	B (Pack of 5)
	P			8	View from top
Description	Flag-Scanbody SCB4 For small head For intra-oral scans	Description	Flag-Scanbody SCB5 For large head For intra-oral scans	Description	Flag-Scanbody SCB MU Incl. screw SFK MU (418164) For intra-oral scans
Systems	GCS [®] , GBC [®]	Systems	GCS [®] , GBC [®]	Systems	GCS® MU, GBC® MU, GIH® MU
REF	BM5126	REF	BM5127	REF	BM5128
Price cat.	C (Pack of 5)	Price cat.	C (Pack of 5)	Price cat.	B (1 piece)

SCANBODIES MATERIAL PEEK/POM

Please go to https://implant.com/en/downloads to download the corresponding STL files.

HEATLESS® DRILLS DOS FOR IMPLANTS WITH CONICAL CORE

Surgical steel, colour-coded, depth-coded and autoclaveable. The drill is marked with laser depth markings. Use between 3,000 and 5,000 rpm with good cooling and intermittent drill technique. Due to the extremely high cutting performance, you can work without pressure.

DOS 1	DO
2 5 500 M	DO
	DO
	DO
	DO
	DO

Description	Colour	Max. working length	REF	Price cat.
DOS 1	yellow	17 mm	BM1330	D
 DOS 2	black	17 mm	BM1331	D
DOS 3	red	17 mm	BM1332	D
DOS 4	blue	21 mm	BM1333	D
DOS 5	green	17 mm	BM1334	D
DOS 6	transparent	15 mm	BM1335	D

DOS 6 This drill is 2 mm shorter at the tip. It can therefore drill up to 2 mm deeper into hard bone than nominally indicated on the drill. Therefore, the conical bone cavity is only circularly extended in the crestal area without increasing the drilling depth.

INSTRUMENTS AND TOOLS

Description Insertion tool short, for large head Use with RAT 2 and TW2	Length 7 mm	Code UST 2 M	REF BM2110	Price cat. E
Insertion tool long, for large head Use with RAT 2 and TW2	19 mm	UST 1 M	BM2064	E
Insertion tool for large head Use with contra-angle	23 mm	IT2W	BM3339	E
Insertion tool long, for small head Use with RAT 2 and TW2	20 mm	ІТ К	BM1336	D
Insertion tool short, for small head Use with RAT 2 and TW2	7 mm	UST 1 S	BM1338	D
Insertion tool for small head Use with contra-angle	23 mm	ITW K	BM1340	D
Torque wrench 10 - 70 Ncm		TW2	BM1356	S
Adapter for large head Use with handgrip	70 mm	Adapter UST 1	BM2063	F
Adapter for small head Use with handgrip	70 mm	Adapter UST 2	BM2062	D
For machine reprocessing, cannot be dismantled Clean in an ultrasonic bath at 45° with an alkaline cleaning agent	110 mm		BM1360	v

For adapter, self-locking



EN

MANUFACTURER'S INFORMATION regarding the preparation of resterilisable medical devices compiles with EN ISO 17664

Please read carefullyi

Medical devices which may be re-processed are

- taals for abulments and sarews
 taaques control.Instruments and tabchets
 Instruments for preparing endosteous bone cavilies (drills,
 cutters)

- cutterit) Bone expansion arenew, and distractors Diritiguide stews. Abutments and areaws, provided they do not remain in/ with the patient between individed reactment appoint-ments and are not used on other patients. They thoud be toted by the operator between the treatment appoint-ments...a, logather with the patient's file. Kanval instruments for the plagement of implants and bone preparation.

Re-usability Frequent re-processing has influence on the product espe-cially if high temporariums are applied for sterilisation. Dilits for barne cavities should be used anly. 10 times, feats and ratchest may be used adong at they this the after "and in ag-neral the operator is responsible for the decision of ke-wing and re-processing of instrument. Damagad instruments and responsibility of the manufactiver is valid. If these restictions are individed.

- Legal bases The following legal bases, regulations and recommenda-tiom are applied with regard to this products mentioned, above; (Cermany) Diractive Syst42 ECC Medical device regulation (which) is volid in the country where the medical device) have for threathen of whene-the functionality of the medical device is being evoluc-hed.
- red) Bundesgesundheitsblaft (Federal Health Gazette) 2001 -44:1115-1126

44:1115-1126 Hygiene requirements for the processing of medical devices. (Recommendation the Commission for Hospital Hygiens (Recommission for Konsterhoutsyglend) at the Robert-Acot-Institute and the Federal Ministry for Drugs and Medical Devices (Rondesministeriums for Arzaelmittel und Medizin-produkte)).

Legalinformation: Implants and ather components of the implant system Timplants and ather components of the implant system implants according to the Contential on Darial/Intergic implants according to the Contential of Darial/Intergic implants according to the Contential of Darial/Intergic implants according to the Contential of Darial Munich, see www.implant/Baundation.org/an/contential. Administration of the manufacture (or sustead by the II) for the use of the system. This genomed for further and continu-our aducations allow valid for advising patients before and atter the placement of the Implants.

aur aduction II alla valid for advimig patients before and after the backgreement of the implants. **Barner Barner Barne**

Care instructions of surgical steel instruments Surgical iffeel instruments can quickly became damaged with inadequate or incorrect care. Only commercially available solvents should be used for surgical steet. If in dou-ble actions is exemptioner of CarbII.

availabile solvents should be used for surgical steel: if in dou-bic andract newsylaland GMDH. The following are not recommended: • Dilundection/cleaning agent with a nigh anionine content • Dilundection/cleaning agent with a nigh analic acta content file following are not recommended for instruments with

- content The following are not recommended for instrument's with orbor coding 1 500 high tolvent concentrations, asir(feation/cleaning agent with the inpredient mentioned acove 1 Too high temperatures with machanical cleaning and sta-miscilicar never higher than 135° C

Conditioning Coatrix insulfiles mult be removed from the products immediately offer use (within 1-2 nrs maximum). Singleat residue (Boats avergillows hume residue) should not be in a disinfectual avergillows hume residue) should not be in a disinfectual abultan immediately offer sought, for tem-poristy (Nonge and pre-disinfection) disarching immediately residue (Coatrianination should then be example). The product of the source of the source of the source of pre-disinfection in the source of the source of the pre-disinfection in the source of the source of the agent. Contamination should then be extended from the in-struments uncertained be attempted free (otherwise fixation of blood and contamination), how growen effectory (source of blood and contamination), how growen effectory (source find for use, for manual removed of contamination use only actions of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of the source of the source of the table of the source of these. If the correlation composed the source of the influences is the observation of the source of the influences is the source of the influences is the source of the source o

- Encrustations must be thoroughly removed using nylon
- builtes. Enculted blood can alta be disolved using hydrogen peroxide 3% Instrument disintectant (esideus can be removed by rin-ung teveral times with varies.

Cleaning/disintection Fan cleaning and disintection onewsyblarmed GmbH re-commends the use of: Instrument disintectory (reaction) and the district loading. IS minutes in a 0% consentration or disil disinte-tection, when using other products fan cleaning and disin-tection.

Ensure when using other products for cleaning and distin-fection. • Not the products are basically utilizate for the cleaning and dishelicent of (intraments • Inot the cleaning and disinfection agent # if applicable-is suitable for Utilizativic cleaning (ine foraming) • that a cleaning and disinfection agent with preven affi-cacy (e.g. Deffer of RA opproved and CE Mork) is used • that the chemicals used are compatible with the intru-ments; ablind cleaning solutions though the pretened. A preequality for the use of a centioned cleaning distin-fection agent is very low bacterial previous free disting for by the monutacture of the cleaning-diminetion open must be singly achieved to utilize of owners to bacteria (the anity healt) mixed abilitions (max. 0.35 enclation units (m) water (is, aquite adds (is add), aquity adds (in adds) and (it is add) and (it is add) the the disinfacted before each use. **Process: Cleaning and disinfaction**

Process: Cleaning and disinfection

Automotic cleaning in a cleaning and disinfection unit in combination with the cleaning agent recommended by the unit manufacturer. Procedure: Insert the instruments so that the liquid can flow but of the arian tubes and blind holes. Set the cycle and adhere to the unit manufacturer's wall and this times; The cleaned components through be examined for vibible air when remo-ving the instruments: If increasing repeat the cycle or olean manually.

Manual cleaning 1. Innoraginity clean divintection/cleaning agent from the in-strument by inding them with water and, if required with the still of a soft sylon bash. <u>Illusionic cleanner</u> floors the companent in a backet, avoid accentic, bhadows. Add on entymatic, cleaning agent to the vater and clean the companents of a lam-portative of 40–50° C in the ultrasonic cleaner (35-40 kHz). for 3 minutes. Ensure that the acmpanents are immersed completely in the water without bubble. 2. Then remove the instruments from the cleaning solution and rinks them thercought (minimum 1 min), under rom-ning water. Use fully desainated water for this stoge. If possible

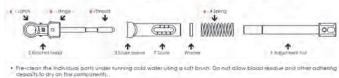
- posible 3. Then dry the instruments with compressed bir 4. Check the instruments visually and repeat the cleaning stage. If necessary 5. Pack the instrument as soon as possible after removal (see Section "Fackging". If necessary after drying again of a cleaningation.

Clean (acction). Document the approval.

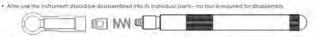
Mechanical cleaning. Cleaning, disinfaction and drying in accordance with DIN ENGD 55637.2005 and DIN EN 5883/2006 Pre-cleaning: Place the disasembled instruments in cold water for 5 minutes. The bitwork the disasembled instru-ments with a soft nyion bissis under water to remove course impunities. Impunities. Mechanical cleaning: e.g. using the Miele 8535 CD unit at 55° C for 3minutes (programme Varia TD) with an enzymatic cleaner.

Schematic diagram of the TW/TW2 forque wrench

· Attenuse the instrument should be discussed mbled into its incluidual parts - no tool is required for disassembly



Schematic diagram of the RAT2 ratchet



Pre-clean the individual parts under running cold water using a soft brush. Do not allow blood residue and offer adhering deposition to dry on the components, The ratchet should be outloclaved in the disastembled stofe and reastembled immediates use.

BIOMED

Important points • All instruments must be skellised after cleaning. • When settings multi-part instruments in an autoclave without a anying programme. It is estential that the instru-ments are adways skellided in a disassembled totel • The instruments phasial always be checked for contains • The scaling of the instruments must dill be wildle after the mitigation otherwise the instruments should be replaced. • Regrations of the instruments whole disasterity scales of all instruments with caling working is particularly calical. This capalities aspecially to Internally coaled citils placement oids and instruments with caling the start working and all instruments with activities to particularly calical. This capalities aspecially to Internally coaled citils placement oids and instrument with the instrument any calied and in a start be coaled be ordered to the water supply cavity cannot be checked with internally calied in the particular the any and the start has with an ans patient. With all after instrument it must be emissed the coalies are completely clean. Null-patient placement oids should be disasterabled for cleaning. It

possible

Control Check all instruments offer cleaning and cleaning/disintec-tion for containen, domoged surfaces, chipping, domoge to the shape (e.g. bent and non-concentric running instru-ments), damoged or blurb (blades) as well as containnation and dispart any damoged instruments, instruments that are still contained must be cleaned and displice(red again. Then check the function and integrity of the instruments. If is not necessary to apply care products (e.g. oil) to instruments and abutments or screws.

and bulkments or sorws. Special appects to abserve with drills and cutters theorogapy controls, there annotations of 10 times. Inderciptly critical, there instrument, after each use for cleaninest (including the internet), acoling stactions in pon-cluding and the shorzness of the blacks. The wear of banes drills depends on the indrivers of the black. The wear of banes drills depends on the indrivers of the black. The doubt drills should only be used once. There is a constru-tical control of the drills. If the reaction of the indrivers the loss of controls of the drills of the physical controls to banes the drills. If the reaction of the physical controls table solution. Drills should not be kept in the physical controls is a solution. Drills should not be kept in the physical controls is the drill affect of one for the trills of the drill affect on the loss. • Never drop the drill affectly on the file. The drills should not be central during ultrasopic cleaning.

Packaging Soft of the instruments in the sterilisation tray and then pock ihem in single-use sterilisation packaging (single or double packaging) and/ar sterilisation container, which • complies with DIN EN 858-201/CIIN EN ISO/ANSI AAA/ILISO (1607

- (162) a suboble for Heam Herification (temperature resistant up to rain, 1376 C (2079 FL) adequate stream cerneability) grandete adequate patiention of the instruments and sis-rification packaging against mechanical damage * 5 regularity serviced according to the manufacturer's (h-tituctions (terrefision) contained)

Sterilisation Method: Fractional pré-vacuum procedure

	(according to ISO 17665 or ISO 13060), in unit that complies with EN 285	1
femperature:	Heat to 132" C: max, 137" C	

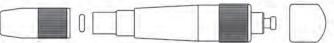
In the description of the second seco

Slorage After steam in the instruments must be slored dry and dusthes in the stealikation pockaging. The instruments should also be protected appingt sunging and heat. The mountains therape befold (specify date) dependent on reveal tochors and must be determined and validated by the user.

Internation on Must be determined and vollacited by the user, Internation on Anadiing multi-part instruments Multi-part instruments multi-be discussmissed before sterilitä-from, Presse note the schematic aliagatam below. Matte Support the cover screw and tennesse the push-road, The push-road and ratched housing (inner and outler) reveal be that additional and the transmission of the push-road, the push-road and ratched housing (inner and outler) reveal be that additional and the transmission of the push-road, that additional and the transmission of the road-tion of the places of the the volet vacour can escobe and that the vatched or its parts are easi lying in water. After serialization - generally just before the baginning of implant-placement, the ratched is the other vacour of the ratched should then be checked before beginning surgery.

Schematic diagram of the handle REF 311430 (can be disassembled)

al ports - no tool is required for disass



Pre-clean the individual parts under running cold water using a saft bruth. Do not allow blaad tesidue deposits to arty on the components. The handle should be astociaved in the assocembled state and in advir before use. and other adhering

Schemalic diagram of the handle REF 311431 (cannot be disassembled)



Fina-clean the instrument under running cold water using a soft brush. De not allow bloodnesidue and other adhering depositive for any on the handle. The handle should be thoroughly cleaned manually using an vitrasonic cleaner before mechanical cleaning including utilitationic cleaner (see above) and mechanical cleaning thould be performed in yeargode.



Warrings Wardo not I now of any wornings, provided the instructions for via are followed for the products to be used as well as the corresponding disinfection and cleaning agent.

enewaybiamed GmbH reserves the right to change the de-sign of the products and components or their packaping, adapt instructions for use as we'll as renegatisate prices and delivery conditions (Lability is initiated to the use of defective products. Any further chains are excluded).

Further information about the preparation of medical pro-ducts a available in the internet at www.rki.de or www.a-k-).

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Date at the latest revision: 2021-03

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If implants are reprocessed, there is a risk of the development of infections, because no validated method for processing exists. Implants therefore may not be reprocessed.

NON

Non-sterile

Compilation and explanation of symbols on the packaging:



Batch No.















Rx ONLY

Intended for use

by dentists or

surgeons only











REF

Store in a dry place

Store tightly keep closed

Do not use if packing is damaged

Do not resterilize

Manufacturer

Production date

Catalogue number

Single use product

products.

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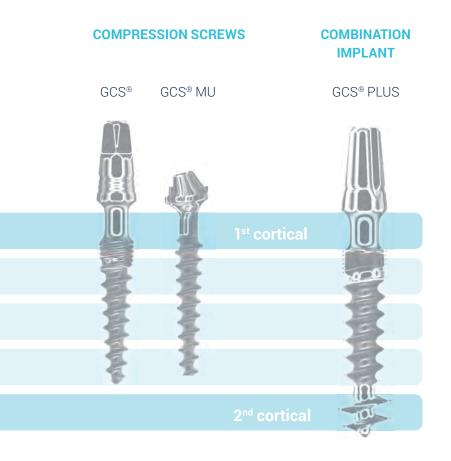
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