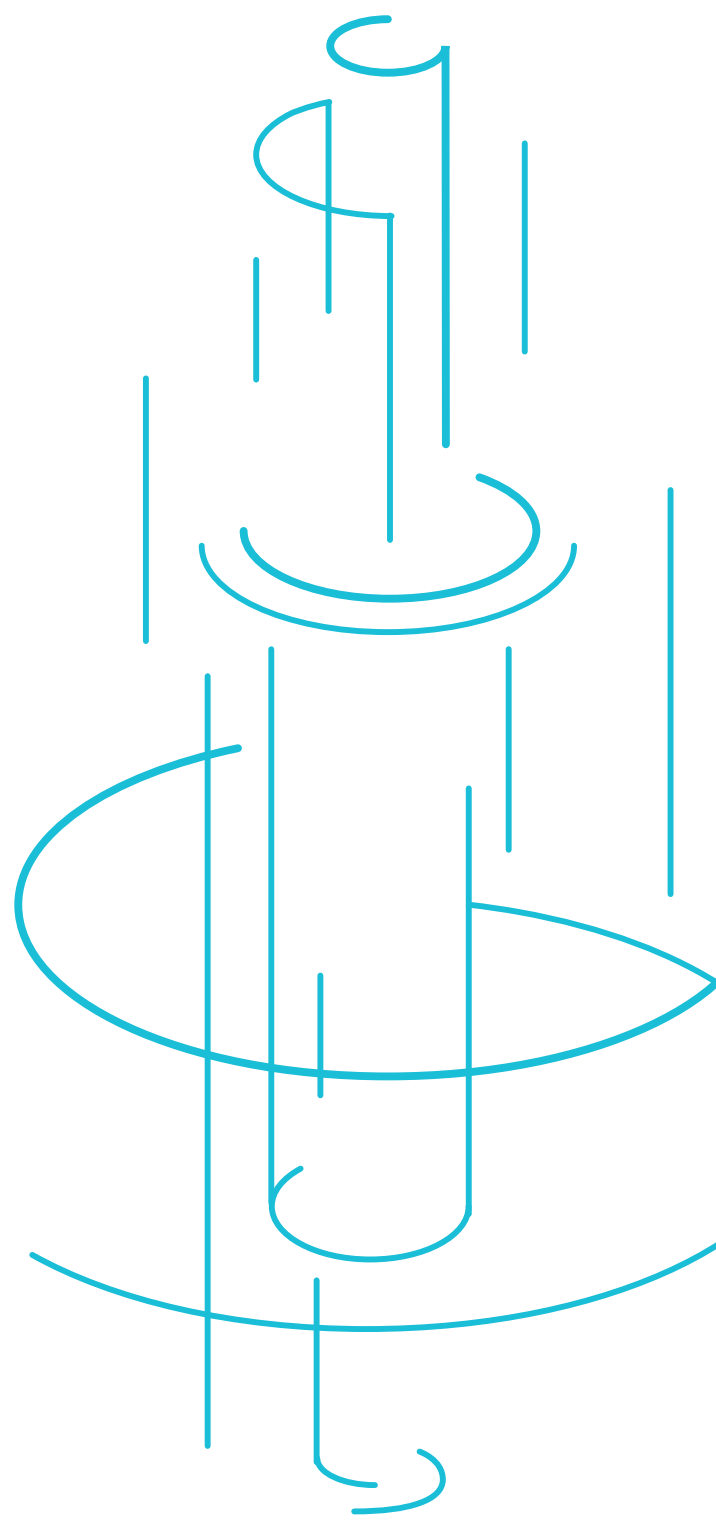


ONEWAY
BIOMEED



IMMEDIATE LOADING single part implants
DENTAL IMPLANT SYSTEM GIO, GCO AND GIW

SYMBOLS FOR IMPLANT PROPERTIES AND PROSTHETIC SOLUTIONS

Small Abutment Head



Multi-Unit Abutment



Apical Wide Thread



Large Abutment Head



Micro Thread



For Screw-in Prosthetics



Ball Abutment



Bendable



For Cemented Prosthetics



Localicer® Abutment



ONEWAY
BIOMED

THE ADVANTAGES

OF THE ENDOSSEOUS DENTAL IMPLANT SYSTEMS **GIO**, **GCO** and **GIW**

GIO, **GCO** and **GIW** implants consist of highly break-proof titanium alloy Ti6Al4V. **GIO** is a successful implant with octagon socket and 8° inner cone for rotationally-secured suprastructures. The surface is roughened in the endosseous region. **GCO** is a precision conical implant with octagon socket and 8° inner cone. Compression screw thread for stable endosseous anchorage. For rotationally-secured suprastructures. **GIW** implants with internal octagon and 8° inner cone are for anti-rotation super-structures.

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

www.implant.com/en/downloads



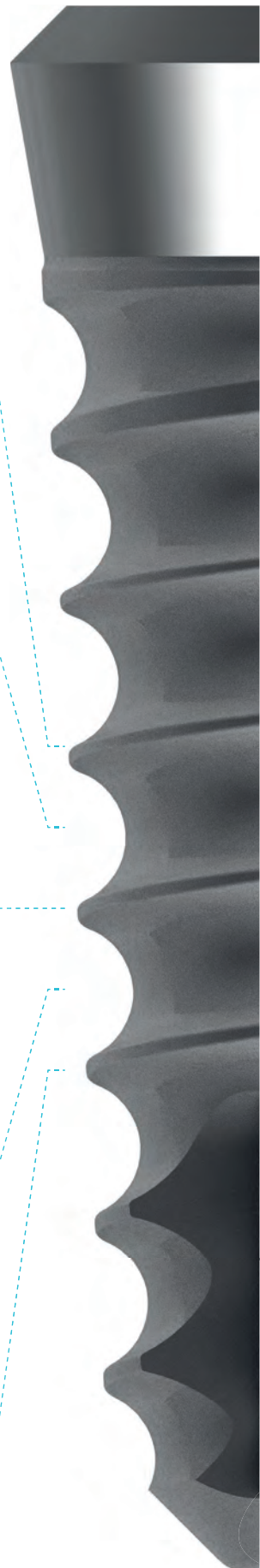
Secure rotation protection by precision inner octagon

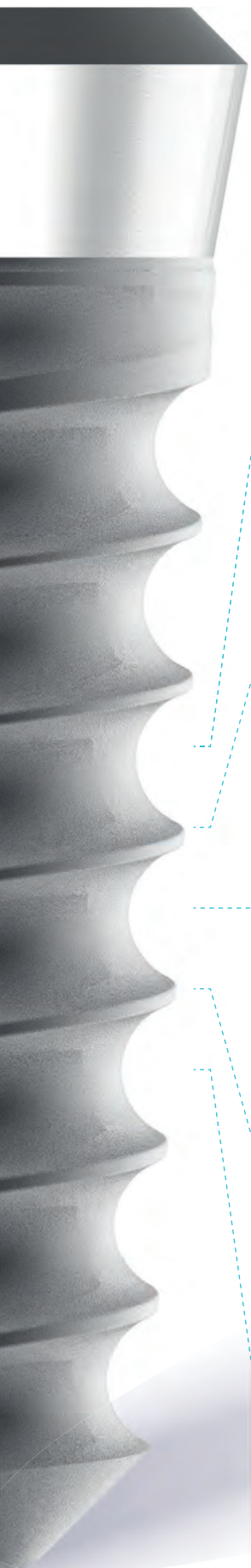
Tightness due to 8° inner cone

Universal application for permanent and removable prosthodontics

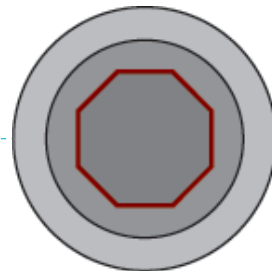
Made of highly resistant titanium alloy

Smart instrument tray





Internal octagon



Wide range of sizes:

GIO

Enossal length
Enossal Ø

7 - 17 mm
3.3 - 4.8 mm



GCO

Enossal length
Enossal Ø

7 - 15 mm
3.7 - 4.8 mm



GIW

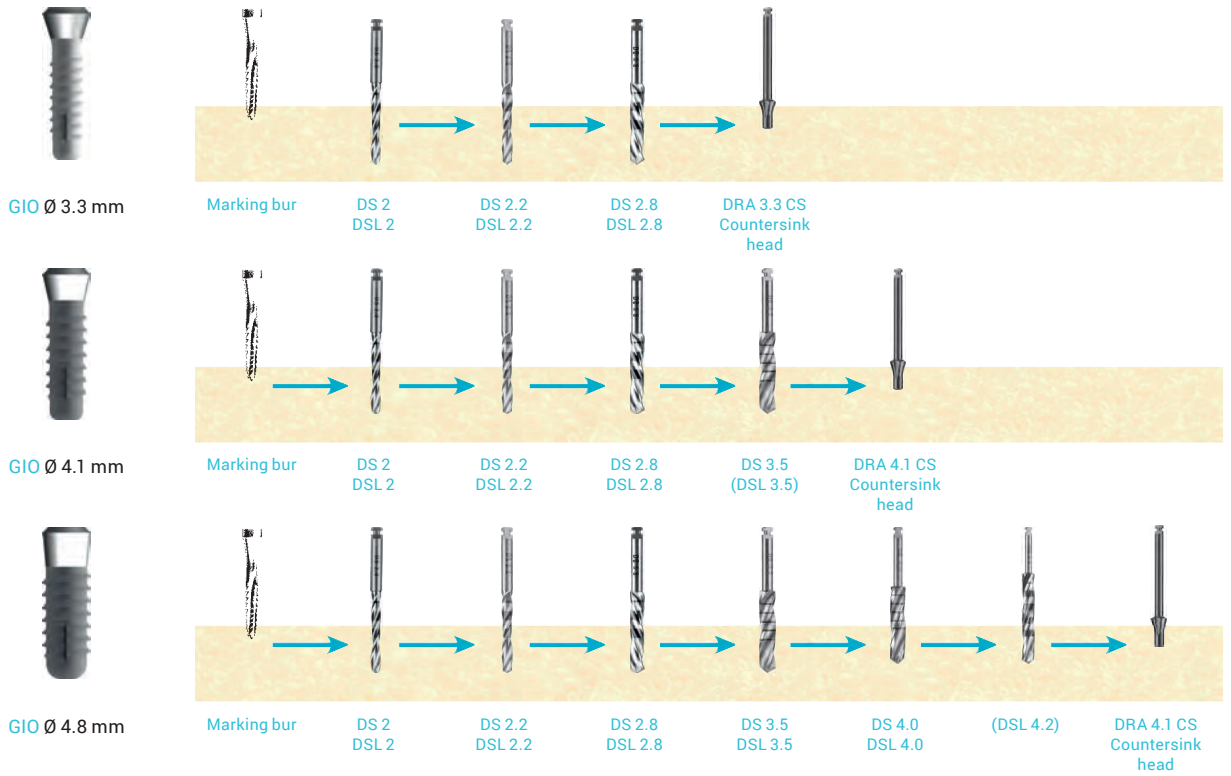
Enossal length
Enossal Ø

9 - 15 mm
4.8 mm

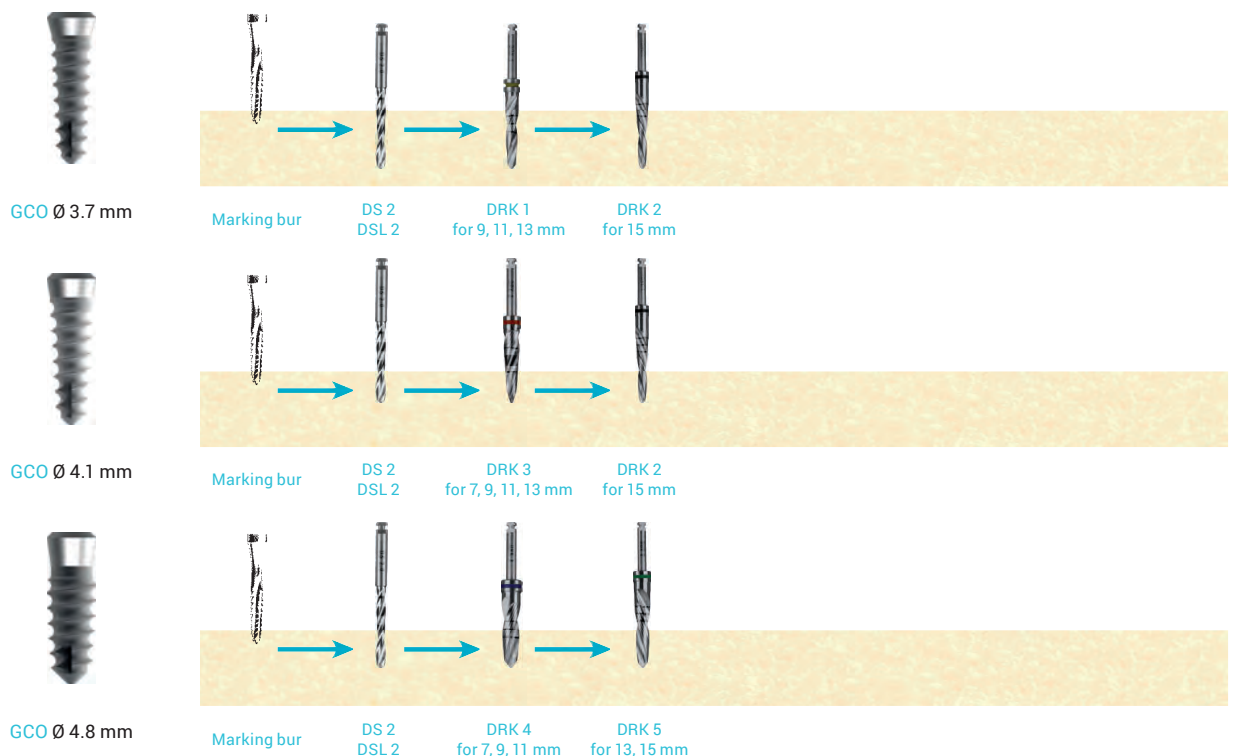


SURGERY

1.1a. Recommended drill sequences for **GIO implants**

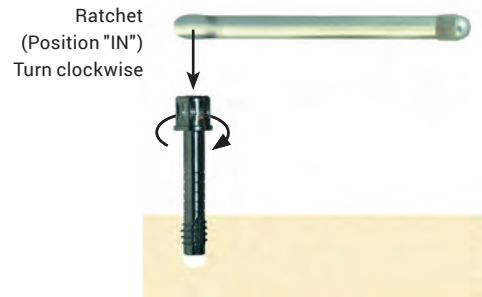


1.1b. Recommended drill sequences for **GCO implants**



1.2 Tap for lower jaw (only for use with GIO)

- TAP 1 Size 3.3 (for implants Ø 3.3 mm)
 Size 4.1 (for implants Ø 4.1 mm)
 Size 4.8 (for implants Ø 4.8 mm)



2. Implant packaging GIO/GCO



Original packaging



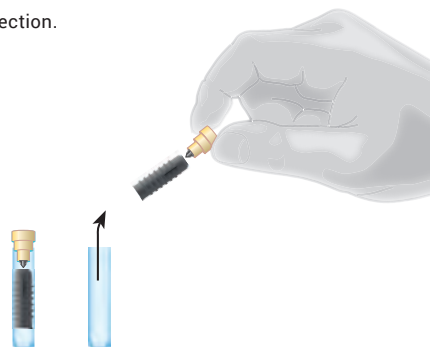
Open package using the flap. Remove the label and stick it into your patient's record.



The opened package contains the implant in a sterile tube (primary package).

3. Removing the implant from the sterile tube

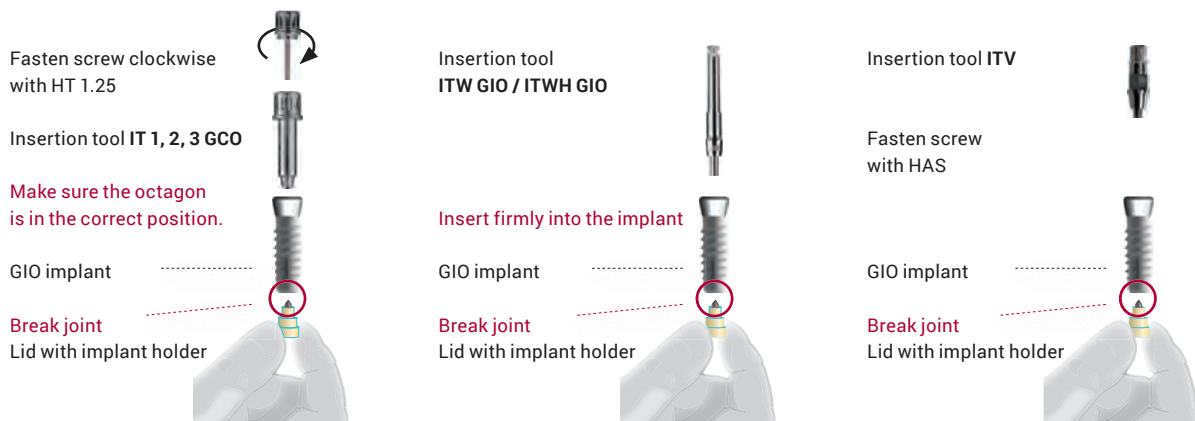
1. Open the lid. The implant is connected to the lid through a breakable section.
2. Remove the implant without touching the inner walls of the tube.



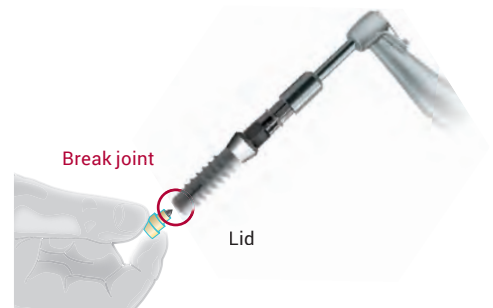
4. Handling

Assembling the placement aid

Attach the insertion tool to the implant (GIO or GCO) by holding the Lid, to which the implant is secured, with your other hand.



After you have attached the insertion tool, firmly hold the lid in your hand and break the implant off the lid. Insert the implant manually until it fits tightly into the jaw.



5. Insertion

Using the ratchet or contra-angle handpiece: screw the implant clockwise into the bone cavity. The endosseous part of the implant must be **completely** covered by the bone. The polished implant neck is located partially outside of the bone or at bone level. We recommend to screw min. 1 mm of the polished implant neck inside of the bone.



6. Remove insertion tool from implant

Release of the insertion tool or the contra-angle handpiece from the implant:

Using HT 1.25 loosen the screw in the insertion tool while loading the insertion tool IT GCO in insertion direction with the ratchet.

Pull insertion tool off the implant and separate from the contra-angle hand piece.

Attach IT ITV Ratchet adapter with RAT2 ratchet to the ITV insertion tool. Using the HAS flat wrench firmly hold the lower hexagon of the ITV. Remove the ITV from the implant using the ratchet ("Out" position).



IT ITV and ratchet in "OUT" position for loosening.



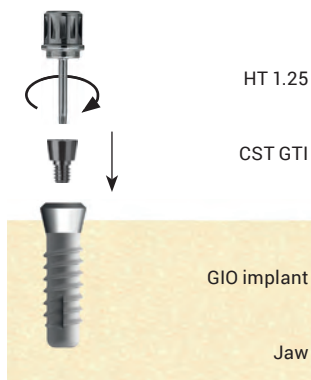
6. Result

The implant is fully inserted and ready for healing.

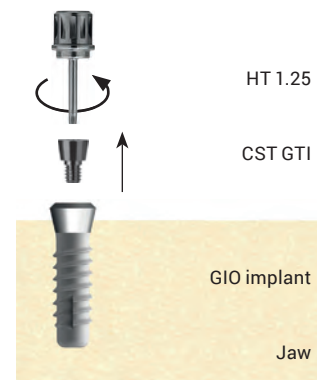


8. Post-operative treatment

Close the implant with a cover screw CST GTI (tool: HT 1.25)



After the healing period: Remove cover screw



9. Impression taking

9.1 Impression taking with perforated, individual impression tray

The long pick up screw must be clearly visible, when the impression try is inserted over the impression post.

The impression material must be removed in the area of the screw access prior to hardening.

9.2 Prior to impression taking

Impression taking with an A silicone® such as Safeprint®.

The use of open or closed impression trys is possible.

9.3 Impression taking

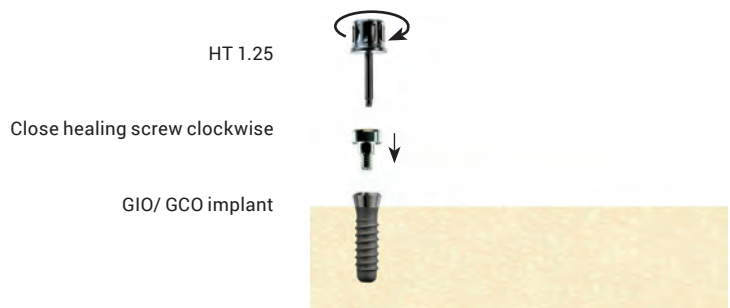
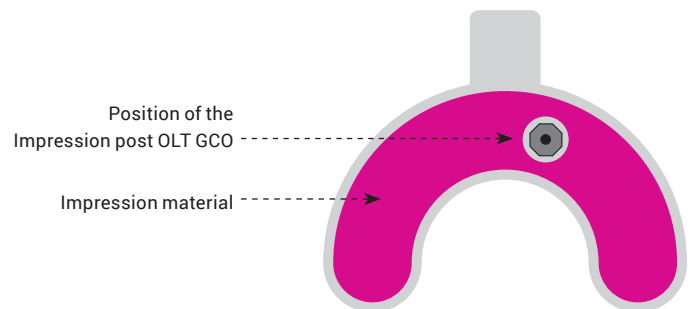
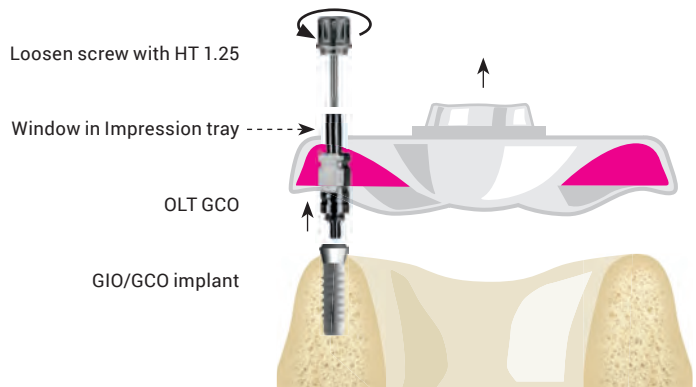
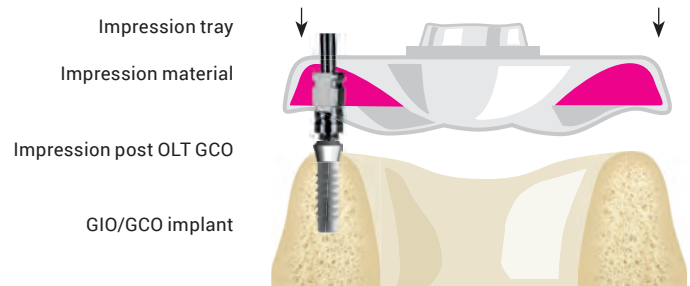
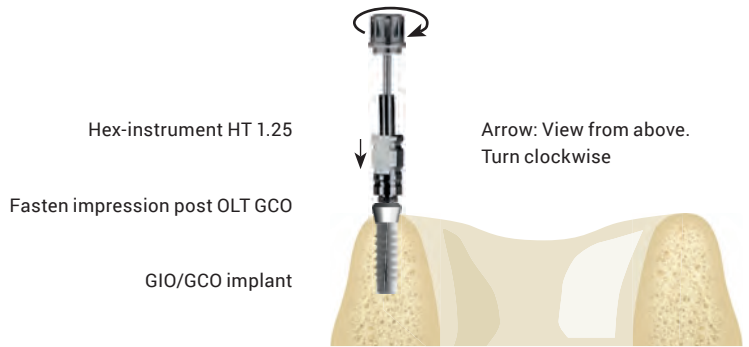
Remove OLT GCO from the implant. OLT GCO remains in the impression.

9.4

View of the impression post OLT GCO in the impression (Pick up method)

9.5

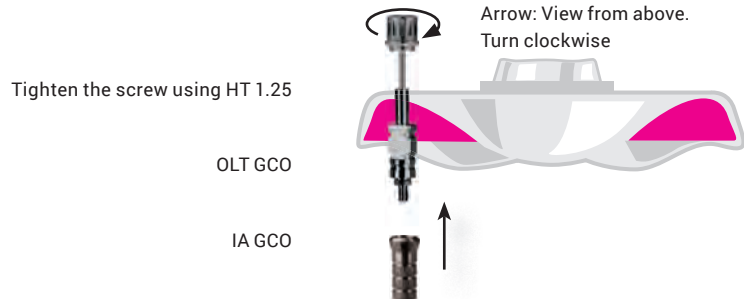
After the impression is taken, the implant is closed with a healing screw (HS) and the impression is sent to the laboratory.



10. Further processing in the laboratory

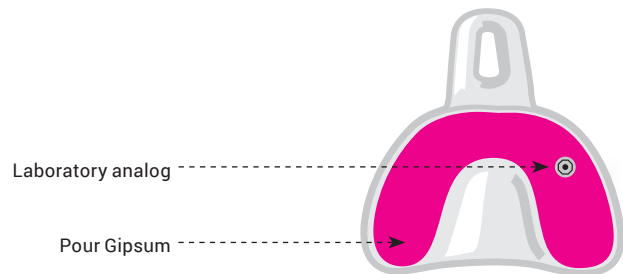
10.1

Screw IA GCO against the impression post.



10.2

The impression is casted. Then the transfer OLT GCO is unscrewed from the laboratory analogue IA GCO.



10.3

The laboratory analogue is now in the proper position and orientation in the putty.



10.4

Positioning the solid secondary part TLA GCO (straight) or angulated TLA15 GCO, TLA20 GCO or TLA25 GCO, at which the optimal position and adequate angulation must be determined.

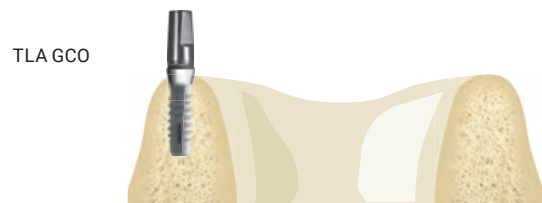
Note

The octagon must be completely entered into the analogue. Ensure correct position of the octagon.



10.5

Ensure proper position of the abutment when transferring into the mouth. Tightening torque of the screw during fastening on the implant with: 25 Ncm.



GIO IMPLANTS

Successful implant with octagon socket and 8° inner cone. Connection type: Inner cone + internal octagon / head-Ø: 4.8 mm. Made from titanium alloy ASTM F 136-13/ISO 5832-3. For rotationally-secured supra-structures. Surface is roughened in endosseous region.

| | | Description | Enossal Ø | Enossal length | REF | Price cat. | |
|--|-------------------|--------------------|------------|----------------|---------------|---------------|---|
| | | GIO 3.3 9 | 3.3 mm | 9 mm | BM4010 | F | |
| | | GIO 3.3 11 | 3.3 mm | 11 mm | BM4011 | F | |
| | | GIO 3.3 13 | 3.3 mm | 13 mm | BM4012 | F | |
| | | GIO 3.3 15 | 3.3 mm | 15 mm | BM4013 | F | |
| | | GIO 4.1 7 | 4.1 mm | 7 mm | BM4014 | F | |
| | | GIO 4.1 9 | 4.1 mm | 9 mm | BM4015 | F | |
| | | GIO 4.1 11 | 4.1 mm | 11 mm | BM4016 | F | |
| | | GIO 4.1 13 | 4.1 mm | 13 mm | BM4017 | F | |
| | | GIO 4.1 15 | 4.1 mm | 15 mm | BM4018 | F | |
| | | GIO 4.1 17 | 4.1 mm | 17 mm | BM4019 | F | |
| | a) Head Ø | 4.8 mm | GIO 4.8 7 | 4.8 mm | 7 mm | BM4020 | F |
| | b) Aesthetic head | 1.8 mm | GIO 4.8 9 | 4.8 mm | 9 mm | BM4021 | F |
| | c) Enossal length | 7 - 17 mm | GIO 4.8 11 | 4.8 mm | 11 mm | BM4022 | F |
| | d) Enossal Ø | 3.3 / 4.1 / 4.8 mm | GIO 4.8 13 | 4.8 mm | 13 mm | BM4023 | F |



Delivery incl. surgical screw CST GTI

NOTE IN CONTRAINDICATIONS implants made from c.p. titanium are in general less force resistant compared to those made from titanium alloy. implants having a nominal diameter of less than 3.8 mm are not indicated for single tooth replacement, independently if they are made from c.p. titanium or from titanium alloy. implants Typ GCO 3.7 and GIO 3.3 should be used as supporting implants.

GCO 3.7 mm and GIO 3.3 mm implants may not be used in the molar region and not as single tooth implants with off axis load. GCO 3.7 mm and GIO 3.3 mm implants are used as supporting implants, for example to increase the number of abutments in immediate load situation. Never use GCO 3.7 mm and GIO 3.3 mm implants when cantilevers are involved. GCO 3.7 and GIO 3.3 are not for single tooth replacement.

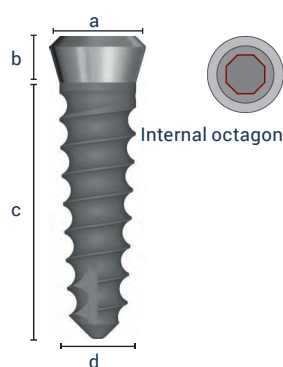
Note the following contra-indications:

GCO 3.7, GIO 3.3: Do not use in areas where off-axis load is present. Do not use in areas with strong chewing forces. Do not use in flexion areas of the jaws.

GCO IMPLANTS



Precision conical implant with octagon socket and 8° inner cone. Octagonal system. Connection type: Inner cone + internal octagon / head-Ø: 4.8 mm. Strengthened titanium alloy (Ti6Al4V) according to ASTM F 136/ISO 5832-3 or Ti6 Al7 Nb. Compression screw thread and internal cone 8° for stable endosseous anchorage





- a) Head Ø 4.8 mm
- b) Aesthetic head 1.8 mm
- c) Enossal length 7 - 15 mm
- d) Enossal Ø 3.7 / 4.1 / 4.8 mm

| Description | Enossal Ø | Enossal length | REF | Price cat. |
|-------------|-----------|----------------|---------------|------------|
| GCO 3.7 9 | 3.7 mm | 9 mm | BM6510 | F |
| GCO 3.7 11 | 3.7 mm | 11 mm | BM6511 | F |
| GCO 3.7 13 | 3.7 mm | 13 mm | BM6512 | F |
| GCO 3.7 15 | 3.7 mm | 15 mm | BM6513 | F |
| GCO 4.1 7 | 4.1 mm | 7 mm | BM6514 | F |
| GCO 4.1 9 | 4.1 mm | 9 mm | BM6515 | F |
| GCO 4.1 11 | 4.1 mm | 11 mm | BM6516 | F |
| GCO 4.1 13 | 4.1 mm | 13 mm | BM6517 | F |
| GCO 4.1 15 | 4.1 mm | 15 mm | BM6518 | F |
| GCO 4.8 9 | 4.8 mm | 9 mm | BM6524 | F |
| GCO 4.8 11 | 4.8 mm | 11 mm | BM6525 | F |
| GCO 4.8 13 | 4.8 mm | 13 mm | BM6526 | F |
| GCO 4.8 15 | 4.8 mm | 15 mm | BM6527 | F |



Delivery incl. surgical screw CST STI

SURGICAL ACCESSORIES FOR GIO, GCO

| Description | Code | REF | Price cat. |
|--|----------------|---------------|------------|
|  Cover screw. Tighten with HT 1.25 For 2 mm gingival height, cylindrical | CST GTI | BM6554 | A |
| | HS2 GTI | BM6549 | B |
|  Gingivaformer Tighten with HT 1.25 For 4 mm gingival height, cylindrical | HS4 GTI | BM6550 | B |
| | HS5 GTI | BM6551 | B |

TEMPBASE® ABUTMENTS FOR PROVISIONAL RESTORATIONS







Temporary basis for GIO® and GCO®. With anti-rotation, PEEK, individually grindable. For cemented crowns and bridges. Tighten with **HT 1.25**.

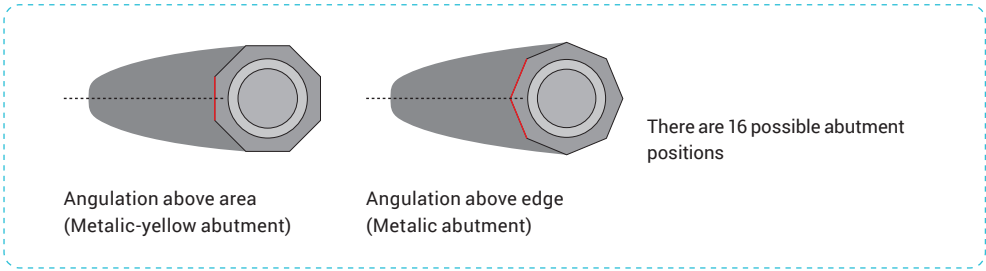


| | | | |
|---|------------------|---------------|----------|
| TempBase® for GIO, GCO, 2 mm gingival height, incl. screw | TPB 2 GIO | BM6547 | D |
| TempBase® for GIO, GCO, 4 mm gingival height, incl. screw | TPB 4 GIO | BM6548 | D |

ABUTMENTS FOR CEMENTED PROSTHETICS FOR GIO, GCO

With octagon. Anti-rotation, screw-in abutment with pre-assembled screw for cemented crowns or bridges.. Tighten with **TT 1.25**.

| | Description | Code | REF | Price cat. |
|---|--|------------|--------|------------|
|  | Straight abutment, 6 mm height above implant | TLA GCO | BM4042 | D |
|  | 15° angled. The angulation runs axial above the edge of the octagon | TLA15 GCO | BM4040 | E |
|  | 15° angled. The angulation runs axial above the area of the octagon Metalic-yellow | TLA15F GCO | BM4050 | E |
|  | 20° angled. The angulation runs axial above the edge of the octagon | TLA20 GCO | BM3177 | E |
|  | 25° angled. The angulation runs axial above the edge of the octagon | TLA25 GCO | BM4041 | E |
|  | 25° angled. Die angulation runs axial above the area of the octagon Metalic-yellow | TLA25F GCO | BM4069 | E |



| Description | Impression post With Pick-Up screw | Lab analogue Inner octagon | Synthetic base Castable 7.4 mm high For TLA GCO | Synthetic base Castable 4 mm high For TLA15 GCO | Synthetic base Castable 4 mm high For TLA20 GCO | Synthetic base Castable 4 mm high For TLA25 GCO |
|-------------|------------------------------------|----------------------------|---|---|---|---|
| Code | OLT GCO | IA GCO | PS | PS 15 | PS 20 | PS 25 |
| REF | BM6571 | BM6572 | BM6575 | BM6576 | BM6577 | BM6578 |
| Price cat. | B | B | A | A | A | A |

| Description | Unit | Code | REF | Price cat. |
|-------------------------------------|---------|--------|--------|------------|
| Replacement screw for OLT GCO, long | 1 piece | SF 767 | BM6661 | B |

ALTERNATIVE Screw SF OLT, short, 14.5 mm for OLT GCO 1 piece SF OLT BM6579 B

With cone (without anti-rotation). One piece abument with solid thread.



Description

One-piece abutment with solid thread, for cemented crowns or bridges, height above implant 6.0 mm, 8° incline. Can be shortened or trimmed. Flat on one side. Direct impression or transfer to lab analogue IA STI. Tighten with **HT 1.25**.

Code

TCA GTI

REF

BM6594

Price cat.

D



Description

Impression post
9 mm high

Impression post
13 mm high

Lab analogue
With conus

Plastic base,
Castable, 7.4 mm

Code

TS GTI

TSX GTI

IA GTI

PS

REF

BM6599

BM6600

BM6601

BM6575

Price cat.

B

B

B

A

SOLID ABUTMENTS



Description

Flat on one side for increased rotation stability, 6° Incline
Tighten with **IT TCA**

Height above implant

4 mm

5.5 mm

7 mm

Colour

yellow

grey

blue

Code

SA4 GTI

SA5 GTI

SA7 GTI

REF

BM6617

BM6618

BM4044

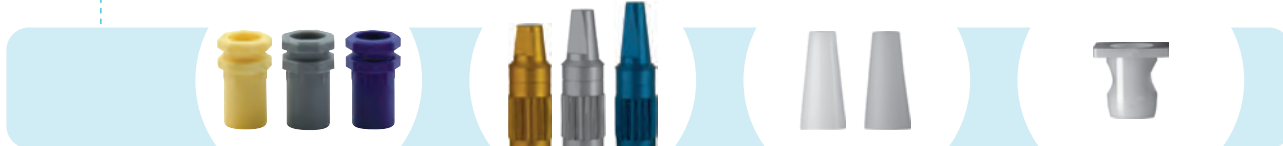
Price cat.

C

C

C

Tightening torque 30 Ncm. For the impression taking on the abutment use:



Description

Colour coded transfer post for SA-abutments

Abutment analogue

Castable abutment
10 mm high, reducible

Gingiva retractor,
Pack of 4

Use with **REF 460230**

Use with **TZ SA4, 5, 7**

Anti-rotation (PA SA)
Internally round (PA SR)

Use instead of retraction cord

Code

TZ SA4, 5, 7

AA SA4, 5, 7

PA SA/ PA SR

REF

BM6620, BM6621, BM6622

BM6623, BM6624, BM6625

BM6626, BM6627

BM1319

Price cat.

A

B

A

B

Endosseous dental implant systems **GIO, GCO and GIW**

With cone (without anti-rotation). Single-piece abutments with fixed thread and vertical cement escape grooves.


| | Description | Height above implant | Colour | Code | REF | Price cat. |
|---|---------------------|----------------------|--------|----------|--------|------------|
|  | | 4 mm | yellow | TCA4 GTI | BM6628 | C |
| | 6° incline | 5.5 mm | grey | TCA5 GTI | BM6629 | C |
| | Tighten with IT TCA | 7 mm | blue | TCA7 GTI | BM6630 | C |

Tightening torque 30 Ncm. The impression taking is carried out on the abutment directly.



| Description | Abutment analogue Use with TCA 4 | Abutment analogue Use with TCA 5 | Abutment analogue Use with TCA 7 | Castable abutment 10 mm high Reducible, white |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|---|
| Code | AA TCA 4 | AA TCA 5 | AA TCA 7 | PA TCA |
| REF | BM1101 | BM1102 | BM1321 | BM4030 |
| Price cat. | B | B | B | A |

ABUTMENTS FOR SCREW-IN PROSTHETICS

| | Description | Code | REF | Price cat. |
|---|--|---------|--------|------------|
|  | With outer octagon and octagon Abutment with double threaded screw and octagon for crowns, bridges and bases. Anti-rotation anchorage of the prosthetics and to the implant. Height above implant 1.5 mm. Tighten with HT 1.25 | OSA GCO | BM6580 | E |
| | With outer octagon and conus Singel piece , octagonal screw-in abutment for anti-rotational anchorage of the prosthetics. For crowns, bridges and bar connectors. Impression taking must be taken on the abutment. Height above implant 1.5 mm. Tighten with HT 1.77 / HTX 1.77 . Tightening torque 30-35 Ncm | OSA GTI | BM6650 | D |



| Description | Transfer post For OSA GCO/STI | Screw For anchorage of TST GTI | Lab analogue For OSA GCO/STI | Castable abutment 10 mm high, pack of 5 | Screw for fixation |
|-------------|----------------------------------|--------------------------------------|---------------------------------|--|--------------------------------------|
| Code | TST GTI | SF 365 | OA GTI | Internally edged PAOA | Internally round PAOR |
| REF | BM6581 | BM6582 | BM6584 | BM6586 | BM6587 |
| Price cat. | B | B | B | B | B |
| | | | | | SF 350 or SF 365 BM6588 or BM6582 |

PROTECTION CAP FOR OSA STO AND OSA STI**Description**

Protection cap made of plastic, white
Screwable and reducible
For OSA GCO or OSA GTI, 3 mm high

Unit

Pack of 5

Code

CGCO

REF

BM6636

Price cat.

B

BAR COMPONENTS**Description**

Bar coping made of CoCrMo for all S-implants
Height above implant 5.5 mm
Screw directly onto implant with SF 350 or SF 365

REF

SK C GTI

Price cat.

C



Bar sleeve made of POM, castable, large
3.0 mm high, 2.2 mm wide, 55 mm long

REF

PA SP1

Price cat.

C



Titanium bar matrix for PA SP1, 55 mm long

REF

SP6

Price cat.

C

CONICAL CROWNS AND BRIDGES**Description**

Bur cylinder for bridges (internally round), height above implant 8 mm, 6 mm Ø
Screw onto OSA GTI or OSA GCO with screw SF 350

REF

KKR

Price cat.

B



Bur cylinder for crowns (internal octagon), height above implant 5 mm, 7 mm Ø
Screw onto OSA GTI or OSA GCO with screw SF 350

REF

FZ 5

Price cat.

B



Bur cylinder for crowns (internal octagon), height above implant 7 mm, 7 mm Ø
Screw onto OSA GTI or OSA GCO with screw SF 350

REF

FZ 7

Price cat.

B

TITANIUM BASE FOR CAD CAM

Titanium base for GIO and GCO. Material Ti6Al4V, anti-rotation. Tighten with **TT 1.25**.

**Description**

Height 3.9 mm above implant shoulder
Incl. screw SF N62

Code

MB4 GIO

REF

BM7759

Price cat.

D

RETENTIVE BALL ABUTMENTS



Description

Ball abutment fits all nylon caps
Head Ø 2.5 mm, height above implant 3 mm
Tighten with **HT 1.25**

Ball abutment fits zu nylon caps
Head Ø 2.5 mm, height above implant 3.6 mm
Tighten with **Tool E** (alternatively with **HAS 2**)

Code **REF** **Price cat.**

TB GTI **BM6653** **D**

TB3 GTI **BM6655** **D**

Impression taking with transfer post

Direct impression taking



Description

Lab analogue

Transfer post
Tighten with **HT 1.25**

Ball analog

Code

IA GTI

TS GTI

IAB

REF

BM6601

BM6599

BM7763








Price cat.

B

B

C

ACCESSORIES FOR BALLHEAD ABUTMENTS

| Description | Unit | Code | REF | Price cat. |
|---|-------------|---------------|---------------|-------------------|
|  Nylon cap transparent, Pull-off force ca. 1200g (EXTERNAL PRODUCT) | Pack of 2 | NC | BM1325 | A1 |
|  Nylon cap pink, Pull-off force ca. 800g (EXTERNAL PRODUCT) | Pack of 2 | NC 1 | BM1326 | A1 |
|  Nylon cap yellow, Pull-off force ca. 500g (EXTERNAL PRODUCT) | Pack of 2 | NC 2 | BM1327 | A1 |
|  Green, strong Nylon caps R-NC With increased friction strength Only with reduced diameter ball ≤ 2.3 mm | Pack of 2 | R-NC | BM3090 | A1 |
|  Pink, medium (EXTERNAL PRODUCT) | Pack of 2 | R-NC 1 | BM3089 | A1 |
|  Orange, soft | Pack of 2 | R-NC 2 | BM3088 | A1 |
|  Metal sleeve for all nylon caps (EXTERNAL PRODUCT) | | H | BM1329 | B |

RETENTIVE BALL ABUTMENTS



Description

Ball abutment fits gold cap GC
Head Ø 2.3 mm, height above implant 3.4 mm
Tighten with **Tool E** (alternatively with **HAS 2**)

Code

TB2 GTI

REF

BM6654

Price cat.

D

Impression taking with transfer post

Direct impression taking



Description

Lab analogue with conus

Transfer post
Tighten with **HT 1.25**

Ball analog

Gold cap

Code

IA GTI

TS GTI

IAB 2

GC

REF

BM6601

BM6599

BM7771

BM1106

Price cat.

B

B

C

upon request

LOCALICER®

Abutment for removable prosthetics. We recommend a minimum of six implants per jaw and the use of a single denture as splint when using LOC abutments. Tighten with **HT 1.77**.



Description

LOC S 2.5

LOC S 4

Height

2.5 mm

4.0 mm

REF

BM6592

BM6593

Price cat.

D

D

ACCESSORIES FOR LOCALICER®



Description

Analogue + impression set

Set with 5 caps + 1 housing ([EXTERNAL PRODUCT](#))

Pull-off force

Yellow 600 g, Pink 1.200 g, Transparent 1.800 g, Violet 2.700 g
Black has no retention and is designed for temporary solutions for up to one month

Code

AA LOC

NCS

REF

BM3142

BM3143

Price cat.

C

D

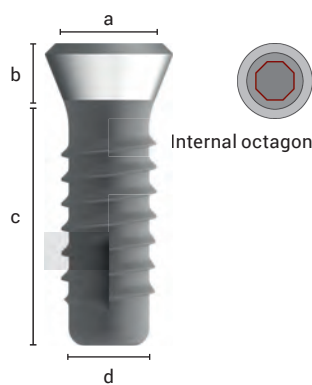
GIW IMPLANTS



OCTAGONAL SYSTEM

Implant with internal octagon and 8° internal cone. For anti-rotation superstructures. Highly fracture resistant titanium alloy (Ti6Al4V) according to ASTM F 136 / ISO 5832-3.

These implants with a head diameter of 6.5 mm can be used, if adequate bone is available, for posterior single crowns with the width of one premolar in dentate and partially/fully edentulous ridges as for superstructures retained by bars and ball attachments.



| Description | Enossal Ø | Enossal length | REF | Price cat. |
|-------------|-----------|----------------|---------------|------------|
| GIW 4.8 9 | 4.8 mm | 9 mm | BM4049 | F |
| GIW 4.8 11 | 4.8 mm | 11 mm | BM4045 | F |
| GIW 4.8 13 | 4.8 mm | 13 mm | BM4046 | F |

- a) Head Ø 6.5 mm
- b) Aesthetic head 1.8 mm
- c) Enossal length 9 - 13 mm
- d) Enossal Ø 4.8 mm


Delivery incl. surgical screw CST GIW



SURGICAL ACCESSORIES FOR GIW

| Description | Code | REF | Price cat. |
|---|----------------|---------------|------------|
|  Cover screw. Tighten with HT 1.25 | CST GIW | BM4051 | B |
|  Gingivaformer Tighten with HT 1.25 For 2 mm gingival height Cylindrical | HS2 GIW | BM4052 | B |
|  Gingivaformer Tighten with HT 1.25 For 4 mm gingival height Cylindrical | HS4 GIW | BM4053 | B |

TITANIUM BASE FOR CAD CAM

| Description | Code | REF | Price cat. |
|---|----------------|---------------|------------|
|  Titanium base for GIW, Material Ti6Al4V, anti-rotation. Height 3.9 mm above implant shoulder. Incl. screw SF N62 Tighten with TT 1.25 | MB4 GIW | BM7762 | D |

ABUTMENTS FOR CEMENTED PROSTHETICS FOR GIW

Anti-rotation screw-in abutment incl. screw, for cemented crowns and bridges. Tighten with TT 1.25



| Description | Code | REF | Price cat. |
|---|-----------|--------|------------|
| Straight abutment | TLA GIW | BM4054 | D |
| 15° angled abutment The 15° line angle runs axially across the edge of the octagon | TLA15 GIW | BM4055 | E |



| Description | Code | REF | Price cat. |
|--|----------|--------|------------|
| Impression post with Pick-Up screw Tighten with HT 1.25 | OLT GIW | BM4056 | B |
| Lab analogue | IA GIW | BM4057 | B |
| Plastic base Castable For TLA GIW | PA GIW | BM4059 | A |
| Plastic base Castable For TLA15 GIW | PA15 GIW | BM4060 | A |

| Description | Code | REF | Price cat. |
|---|--------|--------|------------|
| Replacement screw for TLAs of all S-implants | SF TLA | BM6598 | B |
| Replacement screw for impression post OLT GIW | SF 767 | BM6661 | B |
| ALTERNATIVE Screw SF OLT, short, 14.5 mm for OLT GIW | SF OLT | BM6579 | B |

SOLID ABUTMENTS



| Description | Height above implant | Code | REF | Price cat. |
|---|----------------------|---------|--------|------------|
| Flattened on one side for increased rotational stability 6° angled Tighten with HT 1.77 | 4 mm | SA4 GIW | BM4061 | C |
| | 6 mm | SA6 GIW | BM4062 | C |



| Description | Code | REF | Price cat. |
|---|------------|--------|------------|
| Transfer post for SA6 abutment | TZ SA6 GIW | BM4063 | A |
| Abutment analogue Brown anodized For TZ SA6 GIW | AA SA6 GIW | BM4064 | B |
| Plastic base Castable | PA GIW | BM4059 | A |

RETENTIVE BALL ATTACHMENTS



Description

Ball abutment, fits all nylon caps
Head Ø 2.5 mm
Height above implantat 3 mm
Tighten with **HT 1.25**

Code **REF** **Price cat.**
TB GIW **BM4068** **D**



Ball abutment, fits all nylon caps
Head Ø 2.5 mm
Height above implantat 3.45 mm
Tighten with **Tool E** (alternatively with **HAS 2**)

TB3 GIW **BM4066** **D**

Impression taking with transfer post

Direct impression taking



Description

Lab analogue with conus

Transfer post
Tighten with **HT 1.25**

Ball analog

Code

IA GIW

TS GIW

IAB

REF

BM4057

BM4065

BM7763

Price cat.

B

B

C

ACCESSORIES FOR BALLHEAD ABUTMENTS



Description

Nylon cap transparent, **Pull-off force** ca. 1200g
(EXTERNAL PRODUCT)

Unit

Pack of 2

Code

NC

REF

BM1325

Price cat.

A1



Nylon cap pink, **Pull-off force** ca. 800g
(EXTERNAL PRODUCT)

Pack of 2

NC 1

BM1326

A1



Nylon cap yellow, **Pull-off force** ca. 500g
(EXTERNAL PRODUCT)

Pack of 2

NC 2

BM1327

A1



Green, strong Nylon caps R-NC
With increased friction strength
Only with reduced diameter ball
≤ 2.3 mm

Pack of 2

R-NC

BM3090

A1



Pink, medium
(EXTERNAL PRODUCT)

Pack of 2

R-NC 1

BM3089

A1



Orange, soft

Pack of 2

R-NC 2

BM3088

A1







Metal sleeve for all nylon caps
(EXTERNAL PRODUCT)

H




BM1329

B

DRILL SEQUENCES CYLINDRICAL IMPLANTS

| Implants | Enossal Ø | recommended drill sequences |
|--|-----------|---|
|  GIO | 3.3 mm | DS 2 BM1359 → DS 2.2 BM1405 → DS 2.8 BM1404 → DRA 3.3 CS BM1378 |
| | | DSL 2 BM6555 → DSL 2.2 BM6556 → DSL 2.8 BM6557 → DRA 3.3 CS BM1378 |
|  GIO | 4.1 mm | DS 2 BM1359 → DS 2.2 BM1405 → DS 2.8 BM1404 → DS 3.5 BM1375 → DRA 4.1 CS BM1379 |
| | | DSL 2 BM6555 → DSL 2.2 BM6556 → DSL 2.8 BM6557 → (DLS 3.5) (BM6559) → DRA 4.1 CS BM1379 |
|  GIO | 4.8 mm | DS 2 BM1359 → DS 2.2 BM1405 → DS 2.8 BM1404 → DS 3.5 BM1375 → DS 4.0 BM1376 → (DS 4.2) (BM1377) → DRA 4.1 CS BM1379 |
| | | DSL 2 BM6555 → DSL 2.2 BM6556 → DSL 2.8 BM6557 → DLS 3.5 BM6559 → DSL 4.0 BM6560 → (DSL 4.2) (BM6561) → DRA 4.1 CS BM1379 |
|  GIW | 4.8 mm | DS 2 BM1359 → DS 2.2 BM1405 → DS 2.8 BM1404 → DS 3.5 BM1375 → DS 4.0 BM1376 → (DSL 4.2) (BM6561) → DRA 4.8 CSW BM6568 |
| | | DSL 2 BM6555 → DSL 2.2 BM6556 → DSL 2.8 BM6557 → DSL 3.5 BM6559 → DSL 4.0 BM6560 → (DSL 4.2) (BM6561) → DRA 4.8 CSW BM6568 |

DRILL SEQUENCES CONICAL IMPLANTS

| Implants | Enossal Ø | Length in mm | recommended drill sequences |
|--|-----------|--|--|
|  GCO | 3.7 mm | 9 / 11 / 13 | DS 2 BM1359 → DS 2.2 BM1405 → DRK 1 BM6562 → DRA 3.3 CS BM1378 |
| | | | DSL 2 BM6555 → DSL 2.2 BM6556 → DRK 1 BM6562 → DRA 3.3 CS BM1378 |
| | | 15 | DS 2 BM1359 → DS 2.2 BM1405 → DRK 2 BM6563 → DRA 3.3 CS BM1378 |
|  GCO | 4.1 mm | 7 / 9 / 11 / 13 | DSL 2 BM6555 → DSL 2.2 BM6556 → DRK 2 BM6563 → DRA 3.3 CS BM1378 |
| | | | DS 2 BM1359 → DS 2.2 BM1405 → DRK 3 BM6564 → DRA 4.1 CS BM1379 |
| | | 15 | DSL 2 BM6555 → DSL 2.2 BM6556 → DRK 3 BM6564 → DRA 4.1 CS BM1379 |
|  GCO | 4.8 mm | 7 / 9 / 11 | DS 2 BM1359 → DS 2.2 BM1405 → DRK 2 BM6563 → DRA 4.1 CS BM1379 |
| | | | DSL 2 BM6555 → DSL 2.2 BM6556 → DRK 4 BM6565 → DRA 4.1 CS BM1379 |
| | | 13 / 15 | DS 2 BM1359 → DS 2.2 BM1405 → DRK 4 BM6565 → DRA 4.1 CS BM1379 |
| | | DSL 2 BM6555 → DSL 2.2 BM6556 → DRK 5 BM6566 → DRA 4.1 CS BM1379 | |
| | | DSL 2 BM6555 → DSL 2.2 BM6556 → DRK 5 BM6566 → DRA 4.1 CS BM1379 | |

PLEASE NOTE that GCO is by design a compression screw and a drill sequence can not be recommended for all bone qualities. In low density bone a smaller drill is recommended.

GUIDE JACKET**Description**

BFH 2.0 guide jacket 2.0 mmd

Unit

Pack of 5

Material

Ti6Al4V

REF**BM7100****Price cat.****B**

BFH 2.5 guide jacket 2.5 mmd

Pack of 5

Ti6Al4V

BM7101**B**

BFH 3.0 guide jacket 3.0 mmd

Pack of 5

Ti6Al4V

BM7102**B**

BFH 3.2 guide jacket 3.2 mmd

Pack of 5

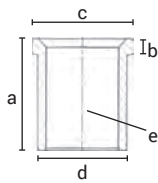
Ti6Al4V

BM7103**B**

BFH 3.5 guide jacket 3.5 mmd

Pack of 5

Ti6Al4V

BM7104**B**

a) Length

5 mm

b) Height of step

0.7 mm

c) Max. Ø top

3.7 - 5 mm

d) Nominal Ø

3 - 4.4 mm

e) Ø of drilling in the drill template

2.05 - 3.55 mm

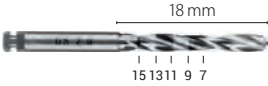


PATHFINDER DRILLS

| | Description | Type | Working length | REF | Price cat. |
|---|-------------|-------------|----------------|--------|------------|
|  | BCD 1 | non sterile | 15 mm | BM2100 | C |
|  | BCDX 1 | non sterile | 15 mm | BM2103 | C |

TWIST DRILL (EXTERNALLY IRRIGATED) FOR GIO, GIW







Surgical steel, laser marked. Non sterile. For lifetime extension and consistent cutting performance and easy removal of contaminated areas. Maximum speed with external cooling 700 rpm. Drills can be used without cooling at 50 rpm on green contra-angle handgrip.

These drills are made of premium material using state-of-the-art precision milling machines. The benefit for you and your patients: Extremely good and durable cutting performance due to sophisticated geometry of the blades.

| | Description | Length | Working length | Drill Ø | REF | Price cat. |
|---|-------------|---------|----------------|---------|--------|------------|
|  | DS 2 | 32.5 mm | 17 mm | 2 mm | BM1359 | D |
|  | DS 2.2 | 36.5 mm | 18 mm | 2.2 mm | BM1405 | D |
|  | DS 2.8 | 36.5 mm | 18 mm | 2.8 mm | BM1404 | D |
|  | DS 3.2 | 36.5 mm | 18 mm | 3.2 mm | BM1403 | D |
|  | DS 3.5 | 36.5 mm | 18 mm | 3.5 mm | BM1375 | D |
|  | DS 4.0 | 36.5 mm | 18 mm | 4.0 mm | BM1376 | D |
|  | DS 4.2 | 36.5 mm | 18 mm | 4.2 mm | BM1377 | D |
|  | DSL 2 | 45.5 mm | 27 mm | 2 mm | BM6555 | D |
|  | DSL 2.2 | 45.5 mm | 27 mm | 2.2 mm | BM6556 | D |
|  | DSL 2.8 | 45.5 mm | 27 mm | 2.8 mm | BM6557 | D |
|  | DSL 3.2 | 45.5 mm | 27 mm | 3.2 mm | BM6558 | D |
|  | DSL 3.5 | 45.5 mm | 27 mm | 3.5 mm | BM6559 | D |
|  | DSL 4.0 | 45.5 mm | 27 mm | 4.0 mm | BM6560 | D |
|  | DSL 4.2 | 45.5 mm | 27 mm | 4.2 mm | BM6561 | D |

-55%
heat**HEATLESS® DRILLS DRK FOR GCO IMPLANTS**




Form drills made from surgical steel (SS), length and color coded, resterilizable. Note the information in the **Instructions for Use** for hygiene and preparation requirements with medical products intended for multiple use in implantology. Pilot drilling using DS2, DSL2 or Pathfinder (see previous page).

| | Description | System | Colour | Length | Implantat 0 | REF | Price cat. |
|---|-------------|--------|----------|-----------------|--------------|---------------|------------|
|  | DRK 1 | GCO | yellow | 9, 11, 13 mm | 3.7 mm | BM6562 | D |
|  | DRK 2 | GCO | black | 15, 17, 19 mm | 3.7 / 4.1 mm | BM6563 | D |
|  | DRK 3 | GCO | red | 7, 9, 11, 13 mm | 4.1 mm | BM6564 | D |
|  | DRK 4 | GCO | blue | 7, 9, 11 mm | 4.8 mm | BM6565 | D |
|  | DRK 5 | GCO | green | 13, 15 mm | 4.8 mm | BM6566 | D |
|  | DRK 6 | GCO | metallic | 21, 23, 25 mm | 3.7 / 4.1 mm | BM6567 | D |






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.

COUNTERSINK HEADS

| | Description | System | Type | Implantat 0 | REF | Price cat. |
|---|-------------|----------|-------------|-------------|---------------|------------|
|  | DRA 3.3 CS | GIO | non sterile | 3.3 mm | BM1378 | D |
|  | DRA 4.1 CS | GIO, GCO | non sterile | 4.1 mm | BM1379 | D |
|  | DRA 4.8 CSW | GIW | non sterile | 4.8 mm | BM6568 | D |

TAP (MADE OF CRONIDUR) FOR GIO, GIW

| | Description | Finish | Length | Implantat 0 | REF | Price cat. |
|---|-------------|---------|--------|-------------|---------------|------------|
|  | TAP1 3.3 | 9-17 mm | 34 mm | 3.3 mm | BM1381 | D |
|  | TAP1 4.1 | 9-17 mm | 34 mm | 4.1 mm | BM1382 | D |
|  | TAP1 4.8 | 9-17 mm | 30 mm | 4.8 mm | BM1383 | D |
|  | TAP2 3.3 | 9-17 mm | 23 mm | 3.3 mm | BM6569 | D |
|  | TAP2 4.1 | 9-17 mm | 23 mm | 4.1 mm | BM6570 | D |

DRILLSTOP TRAY

Autoclaveable up to 134° C, not suitable for dry heat sterilizers.





| Depth | Drillstop | |
|-------|-----------|-----|
| | DS | DSL |
| 7 | K | O |
| 9 | H | N |
| 11 | F | M |
| 13 | C | L |
| 15 | A | K |
| 17 | | H |
| 19 | | F |
| 21 | | C |
| 23 | | A |

| Description | REF | Price € |
|-------------------|--------|---------|
| Drillstop A | BM1500 | |
| Drillstop C | BM1502 | |
| Drillstop F | BM1505 | |
| Drillstop H | BM1507 | |
| Drillstop K | BM1510 | |
| Drillstop L | BM1511 | |
| Drillstop M | BM1512 | |
| Drillstop N | BM1513 | |
| Drillstop O | BM1514 | |
| Drill DS 2.8 | BM1404 | |
| Drill DS 3.2 | BM1403 | |
| Drill DS 3.5 | BM1375 | |
| Drill DS 4.0 | BM1376 | |
| Drill DS 4.2 | BM1377 | |
| Drill DSL 2.8 | BM6557 | |
| Drill DSL 3.2 | BM6558 | |
| Drill DSL 3.5 | BM6559 | |
| Drill DSL 4.0 | BM6560 | |
| Drill DSL 4.2 | BM6561 | |
| Tray with content | BM6677 | 779.00 |

INSERTION TOOLS FOR GIO, GCO, GIW

| | Description | Type | Length | Index | For | REF | Price cat. |
|---|---|-----------------------|--------|---------|---------------------------|--------|------------|
|  | IT1 GCO | long | 20 mm | HT 1.25 | | BM1384 | K |
|  | IT2 GCO | short | 12 mm | HT 1.25 | | BM1385 | K |
|  | IT3 GCO | medium | 16 mm | HT 1.25 | | BM1386 | K |
|  | ITW GIO | contra-angle | 23 mm | | | BM1389 | F |
|  | ITWH GIO | contra-angle / hex | 23 mm | | | BM1391 | F |
| | This instrument is with an additional hex for force transmission to the contra-angle handpiece equipped. Fits to W&H contra-angle handpiece only. | | | | | | |
|  | ITV | short | 11 mm | | GIO, GCO | BM1390 | C |
|  | IT ITV | Ratchet adapter | | | Adapter for ITV | BM1365 | D |
|  | Adapter | short / contra-angle | 22 mm | | ITV 500850 | BM1366 | D |
|  | Adapter | long / contra-angle | 32 mm | | ITV 500850 | BM1367 | D |
|  | Adapter | medium / contra-angle | 27 mm | | ITV 500850 | BM1368 | D |
|  | HAS | square | 85 mm | | ITV | BM1373 | H |
|  | IT TCA | long | 20 mm | direct | SA GTI, TCA GTI | BM1322 | D |
|  | Tool E | long | 20 mm | direct | TB2 GTI, TB3 GTI, TB3 GIW | BM3336 | D |

INSTRUMENTS FOR SCREWS

| | Description | Type | Length | Ø | Code | REF | Price cat. |
|---|-----------------|--------------------------------|--------|---------|-----------|--------|------------|
|  | Hex instrument | long | 21 mm | 1.25 mm | HT 1.25 | BM3022 | C |
|  | Hex instrument | long, for contra-angle | 26 mm | 1.25 mm | HT 1.25 M | BM3047 | C |
|  | Hex instrument | short | 14 mm | 1.25 mm | HTS 1.25 | BM3023 | C |
|  | Hex instrument | extralong | 45 mm | 1.25 mm | HTX 1.25 | BM7764 | C |
|  | Hex instrument | long | 19 mm | 1.77 mm | HT 1.77 | BM3024 | C |
|  | Hex instrument | extralong | 45 mm | 1.77 mm | HTX 1.77 | BM1070 | C |
|  | Hex instrument | long, for contra-angle | 28 mm | 1.77 mm | HT 1.77 M | BM3048 | C |
|  | Torx-Instrument | for GIO, GCO and GIW abutments | 21 mm | 1.25 mm | TT 1.25 | BM3027 | C |

TOOLS

| | Description | Type | Code | REF | Price cat. |
|---|------------------------------|---|-------|--------|------------|
|  | Guide jacket | For pilot drill, Titanium 10 mm, 2.2 mm Ø. Pack of 5 | BFH | BM6537 | B |
|  | X-ray measuring sphere | Surgical steel, Ø 5 mm Pack of 5 | RM | BM3006 | A |
|  | Drill extension contra-angle | Extends by 19 mm | DX2 | BM1349 | D |
|  | Punch | For contra-angle, 4.9 mm Ø | PUW1 | BM3002 | C |
|  | Standardized probe | Scale 1 mm for radiographical measuring for cylindrical implant types, 22 mm | PDG | BM1350 | A |
|  | HAS | Flat spanner for ITV insertion tool, square-end, 85 mm | HAS | BM1373 | H |
|  | HAS 2 | Flat spanner for ball attachments TB2 GT1, TB3 GT1 and TB3 GIW, 85 mm | HAS 2 | BM1392 | H |
|  | Ratchet | For all Hex instruments and insertion tools, without torque | RAT 2 | BM1352 | K |
|  | Torque wrench | Torque wrench 10 - 70 Ncm for all insertion tools, hex- and torx instruments | TW2 | BM1356 | S |
|  | Universal adapter | For all contra-angle instruments Use with ratchet RAT 2. Max. 30 Ncm | UAW | BM3026 | E |

STARTER TRAY

Autoclaveable up to 134° C, not suitable for dry heat sterilizers. This surgical kit contains all drills and tools for first works with the S-System.
Material: autoclavable plastic.



| Description | Code | REF | Price € |
|----------------------------------|------------|---------|--------------|
| Insertion tool for ratchet | IT3 GCO | BM1386 | |
| Insertion tool for contra angle | ITWH GIO | BM1391 | |
| Hex-instrument | HT 1.25 | BM3022 | |
| Torx instrument | TT 1.25 | BM3027 | |
| Pilot drill | BCD 1 | BM2100 | |
| Form drill | DS 2.2 | BM1405 | |
| Form drill | DS 2.8 | BM1404 | |
| Form drill | DS 3.5 | BM1375 | |
| Form drill | DS 4.2 | BM1377 | |
| Countersink head | DRA 4.1 CS | BM1379 | |
| Standardized probe | PDG | BM1350 | |
| Standardized probe | PDG | BM1350 | |
| Torque wrench | TW2 | BM1356 | |
| Starter tray with content | | BM6501 | upon request |
| Starter tray w/o content | | SBM4009 | upon request |

ONEWAY BIOMED

We are certified DIN EN ISO 13485, and annex II of EEC Directive 93/42 EWG (2007).
 Due to technical reasons the product dimensions shown in this brochure might deviate from reality.
GIO, GCO and **GIW** are registered trademarks.
 In case that implants would be reprocessed (cleaned, resterilized) infections could occur,
 because no validated procedures for reprocessing are available.

(The products of this catalogue are CE marked (class I) and CE 1936 marked (class IIa and IIb) according to 93/42/EC Directive).

Commercial products that are not monitored by our notified body are declared as third-party products.

Compilation and explanation of symbols on the packaging:



Batch No.



Sterilized by gamma radiation



Non-sterile



Intended for use by dentists or surgeons only



Single use product



Instruction for use



Expiry date



Store in a dry place



Store tightly keep closed



Do not use if packing is damaged



Do not resterilize



Manufacturer



Production date



Catalogue number



Secure rotation protection by
precision inner octagon and
internal cone 8°

Reliable insertion - ease of use

Universal application for
permanent and removable
prosthodontics

ONEWAY
BIOMED



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