Bio3 Implants – is a dedicated team of professionals in dentistry and implantology with 20 years' experience

Your customer’s smile is our mutual success!
Bio3 IMPLANTS CONNECTION

BIO3 TAPERED IMPLANT SYSTEM PROVIDES AN IDEALLY TIGHT CONNECTION BETWEEN THE IMPLANT AND THE ABUTMENT

Researches show that sand-blasted and acid-etched surface stimulates bone tissue growth throughout the entire implant body, which provides high mechanical stability and osseointegration in much shorter terms. These unique properties allow to perform orthopedic rehabilitation at an earlier stage and reduce the risk in the process of implant placement under one-stage protocol.

Bio3 IMPLANTS SURFACE

1800 magnification

3000 magnification

5000 magnification

The surface of an implant is formed by a coarse sandblasting with corundum particles, leading to a macro-roughness of the Titanium surface. Further it is etched with acid to get micro-roughness. As a result, micro-fractures of 2-4 microns are formed, and the processed area acquires an ideal surface relief for cells engraftment. This surface is not microporous, therefore it provides space for tissue inclusion, which reduces bacteria growth.

Bio3 Implants surface has been developed to achieve a high percentage of bone-to-implant contact.
Bio3 IMPLANTS COMPANY

Bio3 IMPLANTS

Bio3 Implants is the synergy of the best achievements of the German dentistry school and innovative global developments.

Bio3 Implants GmbH is a German company, which offers dentists the best solutions of the highest quality and accuracy in implantology. We develop, produce and implement reliable and quality implant systems of premium line with conical connection.

Bio3 Implants team tends to make implantation simple, easy, high-quality and highly gentle for the patient. To achieve this goal the company develops innovative premium quality products as well as provides its customers with a high standard service.

Reliability and quality

Bio3 Implants conducts continuous and systematic quality control of all products which is confirmed by international quality standards ISO 13485:2016.

During the past years the company extended its production with the most advanced high-tech equipment. Technological cycle of Bio3 Implants production is ensured by high standards of German quality.

All products go through several stages of quality control.

Identification and warranty

Each Bio3 Implants product is assigned with a unique serial number that allows to track the history of the product manufacturing from the first to the final stage. Bio3 Implants provides a lifetime warranty on all its products. Each implant includes Warranty Card, Product certificate and a manual for the patient.

Compactness and availability

We offer a simple and reliable solution for all possible clinical situations. The doctors use only one surgical kit to perform operations on all implant types. Bio3 implant system has 2 platforms for implants with conical connection and internal hexagon fixation for absolute stability.

Service and Training

The company pays big attention to the service support of our clients in all countries of the world. Bio3 Implants organizes specialized lectures, specialized educational courses and programs, as well as workshops and seminars for implantologists, prosthodontists and dental technicians in multiple different countries.

We are proud of Baden-Württemberg to be the homeland of our production alongside with world-known German brands. Our team is always happy to invite you to take a tour of our factory in the beautiful city of Pfrazheim.
The utmost protection of our implants is ensured by a double security package. Each implant is kept in an individual Titanium sleeve placed in a sterilized blister to avoid any contacts with foreign particles.
Bio3 IMPLANT PROGRESSIVE
Tapered dental implants range

Conical connection with inner hex provides precise implant-abutment contact and results in excellent compression reduction in a cervical part of the implant.

Conical connection is completely isolated from bacteria and shows excellent results in compression reduction in implant cervical part.

CHARACTERISTICS

Spiral-shaped aggressive thread guarantees a better primary stability of an implant. It is recommended for III and IV bone tissue types.

Conical implant body perfectly complies with the drill shape for more precise bone fitting. Non-invasive apical implant part prevents from anatomical damage during sinus lifting procedure.

2 Platforms:
Standard: D3.3 mm, D3.8 mm
Wide: D4.2 mm, D5.0 mm
Platform switching
Internal Hexagon

SURFACE

The surface of Bio3 implants is achieved by sandblasting and acid etching according to the latest quality norms and regulations.

APICAL PART

Precise design of implant apical part prevents from bone structure damage and gives an opportunity to decrease the time of surgical treatment.
**ATTENTION!**
It is used for installation in front parts (incisors)
Bio3 IMPLANT PROGRESSIVE

Standard platform

ATTENTION!
It is used for installation in front parts (incisors)

RECOMMENDED DRILLING SPEED

<table>
<thead>
<tr>
<th>Drills</th>
<th>600-1200</th>
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<th>600-800</th>
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TITANIUM COVER SCREW 2.1
is included in each implant set

Implantation Protocol *

* The Protocol does not replace an appropriate training.
** It is used in I and II bone types.
## Bio3 IMPLANT PROGRESSIVE

**Wide platform**

### Diameter
- **4.2**

### Internal Hex
- **2.5**

### Titanium Cover Screw
- **2.5**
  - Is included in each implant set

### Recommended Drilling Speed

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Drilling Speed</th>
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<tbody>
<tr>
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<td>PTIB4.2/7.10</td>
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<td>PTIB4.2/7.15</td>
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<td>PTIB4.2/7.13</td>
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</table>

**Implantation Protocol**

* The Protocol does not replace an appropriate training.
** It is used in I and II bone types.

---

**Premium Dental Implants**
Bio3 IMPLANT PROGRESSIVE

Wide platform

Diameter
5.0

Internal Hex
2.5

Wide Platform

Titanium Cover Screw 2.5
is included in each implant set

Recommended Drilling Speed

<table>
<thead>
<tr>
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<th>D1</th>
<th>D1</th>
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</table>

Implantation Protocol *

* The Protocol does not replace an appropriate training.
** It is used in I and II bone types.
Bio3 IMPLANT ADVANCED
Bio3 IMPLANT ADVANCED
Tapered dental implants range

Conical connection with inner hex provides precise implant-abutment contact and results in excellent compression reduction in a cervical part of the implant.

Spiral-shaped and self-tapping implant with classical triangle thread of two recurrent lengths. It was developed for a better primary stability and is applicable for various bone types.

Conical implant body perfectly complies with the drill shape for more precise bone fitting. Non-invasive apical implant part prevents from anatomical damage during sinus lifting procedure.

2 Platforms:
- Standard: D3.3 mm, D3.8 mm
- Wide: D4.2 mm, D5.0 mm
- Platform switching
- Internal Hexagon

The surface of Bio3 implants is achieved by sandblasting and acid etching according to the latest quality norms and regulations.

Precise design of implant apical part prevents from bone structure damage and gives an opportunity to decrease the time of surgical treatment.
Bio3 IMPLANT ADVANCED

ATTENTION!
It is used for installation in front parts (incisors)

PRODUCT CODE
- AT13.3.10. 10 mm
- AT13.3.11.5 11.5 mm
- AT13.3.13 13 mm

DIAMETER 3.3
INTERNAL HEX 2.1
TITANIUM COVER SCREW 2.1
is included in each implant set

RECOMMENDED DRILLING SPEED

<table>
<thead>
<tr>
<th>Drill 1.5</th>
<th>Drill 2.0</th>
<th>Drill 2.8</th>
<th>Drill 3.0</th>
<th>Profile en P3.3</th>
<th>Bone tip Ø5.3</th>
<th>Advanced 3.3</th>
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<tr>
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</tbody>
</table>

Implantation Protocol *

* The Protocol does not replace an appropriate training.
** It is used in I and II bone types.
Bio3 IMPLANT ADVANCED

Standard platform

ATTENTION!
It is used for installation in front parts (incisors)

DIAMETER
3.8

INTERNAL HEX
2.1

STANDARD
PLATFORM

PRODUCT CODE
AT13.8.8.
AT13.8.10.
AT13.8.11.5.
AT13.8.13.

LENGTH

2.1

Diameter

2.8

TITANIUM COVER SCREW 2.1
is included in each implant set

RECOMMENDED DRILLING SPEED

<table>
<thead>
<tr>
<th>D1</th>
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<td>D4</td>
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</tbody>
</table>

Implantation Protocol.*

* The Protocol does not replace an appropriate training.

** It is used in I and II bone types.
Bio3 IMPLANT ADVANCED

Wide platform

PRODUCT CODE

ATIB4.2/8.

ATIB4.2/10.

ATIB4.2/11.5.

ATIB4.2/13.

8 mm

10 mm

11.5 mm

13 mm

DIAMETER

4.2

INTERNAL HEX

2.5

TITANIUM COVER SCREW 2.5

is included in each implant set

RECOMMENDED DRILLING SPEED

D1 800-1200
D2 600-800
D3 600-800
D4 800-1000

D1 1000-1200
D2 800-1000
D3 800-1000
D4 800-1000

D1 500-700
D2 500-700
D3 500-700
D4 500-700

D1 1000-1200
D2 1000-1200
D3 1000-1200
D4 1000-1200

D1 400-600
D2 400-600
D3 400-600
D4 400-600

Implantation Protocol.*

* The Protocol does not replace an appropriate training.
** It is used in I and II bone types.
Bio3 IMPLANT ADVANCED

Wide platform

Diameter 5.0
Internal Hex 2.5

Product Code
- AT15/8: 8 mm
- AT15/10: 10 mm
- AT15/11.5: 11.5 mm
- AT15/13: 13 mm

Recommended Drilling Speed

<table>
<thead>
<tr>
<th>Drill</th>
<th>Speed</th>
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<tbody>
<tr>
<td>D1</td>
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<tr>
<td>D3</td>
<td>600-1200</td>
</tr>
<tr>
<td>D4</td>
<td>600-1200</td>
</tr>
</tbody>
</table>

- AT15/8: 600-800
- AT15/10: 600-800
- AT15/11.5: 600-800
- AT15/13: 600-800

Implantation Protocol:
* The Protocol does not replace appropriate training.
** It is used in I and II bone types.

Titanium Cover Screw 2.5
is included in each implant set.
## GINGIVA HEALING ABUTMENTS

### Standard Platform

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
<th>FULL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFS2</td>
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<td>2 mm</td>
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</tr>
<tr>
<td>GFS3</td>
<td>4.2 mm</td>
<td>3 mm</td>
<td>9.45 mm</td>
</tr>
<tr>
<td>GFS4</td>
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<td>4 mm</td>
<td>10.45 mm</td>
</tr>
<tr>
<td>GFS5</td>
<td>4.2 mm</td>
<td>5 mm</td>
<td>11.45 mm</td>
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<tr>
<td>GFS7</td>
<td>4.2 mm</td>
<td>7 mm</td>
<td>13.45 mm</td>
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</table>

### Internal Hex

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
<th>FULL LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFS2</td>
<td>5.5 mm</td>
<td>2 mm</td>
<td>7.72 mm</td>
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<tr>
<td>GFS3</td>
<td>5.5 mm</td>
<td>3 mm</td>
<td>8.73 mm</td>
</tr>
<tr>
<td>GFS4</td>
<td>5.5 mm</td>
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</tr>
<tr>
<td>GFS5</td>
<td>5.5 mm</td>
<td>5 mm</td>
<td>10.73 mm</td>
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</table>

### Healing Cap

Healing cap for standard platform (2.1 mm) with two diameters – 4.2 mm and 5.5 mm. It is installed using universal or hand prosthetic insertion driver.
# GINGIVA HEALING ABUTMENTS

**Wide platform**

<table>
<thead>
<tr>
<th>STANDARD</th>
<th>GFB2</th>
<th>GFB3</th>
<th>GFB4</th>
<th>GFB5</th>
<th>GFB7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIAMETER</strong></td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td><strong>LENGTH</strong></td>
<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
<td>5 mm</td>
<td>7 mm</td>
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<tr>
<td><strong>FULL LENGTH</strong></td>
<td>8.45 mm</td>
<td>9.45 mm</td>
<td>10.45 mm</td>
<td>11.45 mm</td>
<td>13.45 mm</td>
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</tbody>
</table>

**MATERIAL** Titanium Grade 5

Healing cap for wide platform (2.5 mm) with two diameters – 5.1 mm and 5.5 mm. It is installed using universal or hand prosthetic insertion driver.

<table>
<thead>
<tr>
<th>WIDE</th>
<th>GFB/W2</th>
<th>GFB/W3</th>
<th>GFB/W4</th>
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</thead>
<tbody>
<tr>
<td><strong>DIAMETER</strong></td>
<td>5.5 mm</td>
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<td>5.5 mm</td>
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</tr>
<tr>
<td><strong>LENGTH</strong></td>
<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
<td>5 mm</td>
</tr>
<tr>
<td><strong>FULL LENGTH</strong></td>
<td>7.9 mm</td>
<td>8.9 mm</td>
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</table>

**MATERIAL** Titanium Grade 5
GINGIVA HEALING NARROW ABUTMENTS

Standard platform

MATERIAL: Titanium Grade 5

| DIAMETER | 3.2 mm |
| LENGTH | 10.5 mm |

INTERNAL HEX 2.1

MATERIAL: Titanium Grade 5

| DIAMETER | 4.0 mm |
| LENGTH | 10.5 mm |

INTERNAL HEX 2.5

Ensures ideal gingival margin.

Suitable for any variants of the following dental prosthetics.

PRODUCT CODE GFNS

PRODUCT CODE GFNB

Material: Titanium Grade 5
STRAIGHT ANATOMIC ABUTMENTS

Standard platform

<table>
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<td></td>
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<td>GAAS/W-1</td>
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<td>DIAMETER</td>
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<td>5.5 mm</td>
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<tr>
<td>SHOULDER</td>
<td>1 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>11.55 mm</td>
<td>11.55 mm</td>
</tr>
</tbody>
</table>

Anatomic titanium abutment for standard platform (2.1 mm) with 1. 2. 3 mm shoulders that has two shoulder diameter widths – 4.2 mm and 5.5 mm. It is installed using universal or hand prosthetic insertion driver.

Wide platform

<table>
<thead>
<tr>
<th></th>
<th>GAAB1</th>
<th>GAAB2</th>
<th>GAAB3</th>
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<tr>
<td>DIAMETER</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td>SHOULDER</td>
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<tr>
<td>LENGTH</td>
<td>12.4 mm</td>
<td>13.4 mm</td>
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</table>

Anatomic titanium abutment for wide platform (2.5 mm) with 1. 2. 3 mm shoulders. It is installed using universal or hand prosthetic insertion driver.
## Straight Abutments

### Standard Platform

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length</th>
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<tbody>
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<td>Wide</td>
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<td>Standard</td>
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<tr>
<td>Standard</td>
<td>8.7 mm</td>
<td>15.55 mm</td>
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<td>Standard</td>
<td>11.7 mm</td>
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<tr>
<td>Standard</td>
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</table>

**Material**: Titanium Grade 5

Titanium straight abutment for standard platform (2.1 mm). It is installed using universal or hand prosthetic insertion driver.

### Wide Platform

<table>
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<th>Length</th>
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<tr>
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<td>10.07 mm</td>
<td>17.12 mm</td>
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<tr>
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<td>3.85 mm</td>
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<tr>
<td>Standard</td>
<td>3.85 mm</td>
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**Material**: Titanium Grade 5

Titanium straight abutment for wide platform (2.5 mm). It is installed using universal or hand prosthetic insertion driver.
**ANGLED ABUTMENTS 15°**

**Standard platform**

<table>
<thead>
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</table>

**MATERIAL** Titanium Grade 5

Angled anatomic titanium abutment 15° for standard platform (2.1 mm) with 1. 2. 3 mm shoulder or without it. It is installed using universal or hand prosthetic insertion driver.

**Wide platform**

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<tr>
<td>SHOULDER</td>
<td>1 mm</td>
<td>2 mm</td>
<td>3 mm</td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>12.85 mm</td>
<td>11.55 mm</td>
<td>12.2 mm</td>
<td>13.2 mm</td>
</tr>
<tr>
<td>ANGLE</td>
<td>15°</td>
<td>15°</td>
<td>15°</td>
<td>15°</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

Angled anatomic titanium abutment 15° for wide platform (2.5 mm) with 1. 2. 3 mm shoulder or without it. It is installed using universal or hand prosthetic insertion driver.
### ANGLED ABUTMENTS 25°

#### Standard platform

**PRODUCT CODE**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Shoulder</th>
<th>Length</th>
<th>Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAAS25</td>
<td>3.35 mm</td>
<td>10.9 mm</td>
<td>25°</td>
</tr>
<tr>
<td>EAAS2502</td>
<td>4.2 mm</td>
<td>11.75 mm</td>
<td>25°</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

Angled anatomic titanium abutment 25° for standard platform (2.1 mm) with 2 mm shoulder or without it. It is installed using universal or hand prosthetic insertion driver.

#### Wide platform

**PRODUCT CODE**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Shoulder</th>
<th>Length</th>
<th>Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAAB25</td>
<td>3.85 mm</td>
<td>12.8 mm</td>
<td>25°</td>
</tr>
<tr>
<td>EAAB2502</td>
<td>5.1 mm</td>
<td>12.15 mm</td>
<td>25°</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

Angled anatomic titanium abutment 25° for wide platform (2.5 mm) with 2 mm shoulder or without it. It is installed using universal or hand prosthetic insertion driver.
### MULTI-UNITS FOR SINGLE CONSTRUCTION

*Antirotational Aesthetic Abutment S/W

#### Standard platform

**MATERIAL** Titanium Grade 5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAAS1</td>
<td>4.7 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>VAAS2</td>
<td>4.7 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>VAAS3</td>
<td>4.7 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

Each abutment set includes:

- PROSTHETIC SCREW
- CS VAAS/S cover screw

INTERNAL HEX 2.1

* is not included in the set

The abutment is used to renew a single construction. Screw in with a maximum force of 20 newton.

#### Wide platform

**MATERIAL** Titanium Grade 5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAAB1</td>
<td>4.7 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>VAAB2</td>
<td>4.7 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>VAAB3</td>
<td>4.7 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

Each abutment set includes:

- PROSTHETIC SCREW
- CS VAAB/S cover screw

INTERNAL HEX 2.5

* is not included in the set

The abutment is used to renew a single construction. Screw in with a maximum force of 20 newton.
MULTI-UNITS FOR FIXED BRIDGE
*Antirotational Aesthetic Abutment S+/W+

### Standard platform

**PRODUCT CODE**

<table>
<thead>
<tr>
<th>VAAS1+</th>
<th>VAAS2+</th>
<th>VAAS3+</th>
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<tr>
<td><strong>DIAMETER</strong></td>
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<td>4.3 mm</td>
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<tr>
<td><strong>LENGTH</strong></td>
<td>1 mm</td>
<td>2 mm</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

The abutment is used to restore a fixed bridge with screw retention. Screw in with a maximum force of 20 newton.

**INTERNAL HEX** 2.1

**CS VAAS/B** cover screw

* is not included in the set

### Wide platform

**PRODUCT CODE**

<table>
<thead>
<tr>
<th>VAAB1+</th>
<th>VAAB2+</th>
<th>VAAB3+</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIAMETER</strong></td>
<td>4.3 mm</td>
<td>4.3 mm</td>
</tr>
<tr>
<td><strong>LENGTH</strong></td>
<td>1 mm</td>
<td>2 mm</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

**Titanium sleeve for screw retained abutment / angulated multi-unit**

<table>
<thead>
<tr>
<th>GIMV</th>
</tr>
</thead>
</table>

**Casting sleeve for screw retained abutment / angulated multi-unit**

<table>
<thead>
<tr>
<th>CSMU</th>
</tr>
</thead>
</table>

**Healing Cap**

<table>
<thead>
<tr>
<th>Healing Cap for screw retained abutment / angulated multi-unit</th>
<th>Healing Cap Wide for screw retained abutment / angulated multi-unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIMA</td>
<td>GIMA-W</td>
</tr>
</tbody>
</table>

**Burnout plastic sleeve**

<table>
<thead>
<tr>
<th>Plastic TCMS</th>
</tr>
</thead>
</table>

**Temporary PEEK sleeve**

<table>
<thead>
<tr>
<th>TGMN 1</th>
</tr>
</thead>
</table>

**Laboratory Analog**

<table>
<thead>
<tr>
<th>IAEN</th>
</tr>
</thead>
</table>

**Transfer**

<table>
<thead>
<tr>
<th>SOKM15</th>
</tr>
</thead>
</table>

* Screw for GIMA is included

**INTERNAL HEX** 2.5

**CS VAAB/S** cover screw

* is not included in the set
ANGLED MULTI-UNITS FOR FIXED BRIDGE 17°

*Titanium basis for multi-unit S/W

**Standard platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBMS1701</td>
<td>4.35 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>TBMS1702</td>
<td>4.35 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>TBMS1703</td>
<td>4.35 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

Each multi-unit basis set includes:

- Prosthetic Screw

Angled multi-unit 17° of a standard/wide platform is intended for the construction with screw retention during the treatment of partial or full dentia. It is used in cases where the implant is placed at an angle. A multifunctional torque wrench is used for the installation.

**Wide platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBMB1701</td>
<td>4.35 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>TBMB1702</td>
<td>4.35 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>TBMB1703</td>
<td>4.35 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

Each multi-unit basis set includes:

- Prosthetic Screw

**Titanium sleeve for screw retained abutment / angulated multi-unit**

- GIMV

**Cartable sleeve for screw retained abutment / angulated multi-unit**

- CSMU

**Healing Cap**

- For screw retained abutment / angulated multi-unit
- For screw retained abutment / angulated multi-unit
- For screw retained abutment / angulated multi-unit

**Healing Cap Wide**

- GIMA

**Burnout plastic sleeve**

- Plastic TCMS

**Temporary PEEK sleeve**

- TGMN 1

**Laboratory Analog**

- IAEN

**Transfer**

- SOKM15

*Screw for GIMA is included*
**ANGLED MULTI-UNITS FOR FIXED BRIDGE 30°**

*Titanium basis for multiunit S/W*

### Standard platform

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBMS3001</td>
<td>4.3 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>TBMS3002</td>
<td>4.3 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>TBMS3003</td>
<td>4.3 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

Each multi-unit basis set includes:

- **PROSTHETIC SCREW**

Angled multi-unit 30° is intended for the construction with screw retention during the treatment of partial or full edentia. It is used in cases when the implant is placed at an angle. A multifunctional torque wrench is used for the installation.

### Wide platform

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBMB3001</td>
<td>4.3 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>TBMB3002</td>
<td>4.3 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>TBMB3003</td>
<td>4.3 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

Each multi-unit basis set includes:

- **PROSTHETIC SCREW**

* Screw for GIMA is included
MANUAL I. SINGLE CONSTRUCTION MULTI-UNITS

Using temporary PEEK sleeve for screw retained abutment

1. Temporary PEEK sleeve
2. SSA (Retaining screw)
3. PEEK Sleeve
4. Screw retained abutment
5. Temporary crown

Using burned-out plastic sleeve for individual construction production

1. Plastic VAAS
2. SAES15
3. Prosthetic screw
4. Transfer
5. Impression material
6. Open tray impression
7. Implant
8. Bone
9. Retaining screw
10. Burned-out plastic sleeve
11. Crown
12. Gypsum model
13. Analogs
14. Implants
15. Bone
MANUAL II. FIXED BRIDGE CONSTRUCTION

Using titanium sleeve

1. Gypsum
   - Analogs

2. Titanium sleeve
   - Retrieval screw
   - Model

3. Gypsum
   - Analogs
   - Denture

4. Bone
   - Implants
   - Denture
   - Intra-oral fixation

IAEN

GIMV
BALL ATTACHMENTS

Standard platform

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter</th>
<th>Shoulder Length</th>
<th>Full Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Grade 5</td>
<td>4.2 mm</td>
<td>2 mm</td>
<td>9.95 mm</td>
</tr>
<tr>
<td></td>
<td>4.2 mm</td>
<td>3 mm</td>
<td>10.95 mm</td>
</tr>
<tr>
<td></td>
<td>4.2 mm</td>
<td>4 mm</td>
<td>11.95 mm</td>
</tr>
<tr>
<td></td>
<td>4.2 mm</td>
<td>5 mm</td>
<td>12.95 mm</td>
</tr>
<tr>
<td></td>
<td>4.2 mm</td>
<td>6 mm</td>
<td>13.95 mm</td>
</tr>
</tbody>
</table>

2.1

Each ball attachment should be supported by metal cap with 3 caps applied in the following sequence: Metal → Soft → Standard → Hard to ensure the most comfortable adaptation of the patient to his new dental prosthesis.

Wide platform

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter</th>
<th>Shoulder Length</th>
<th>Full Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Grade 5</td>
<td>5.0 mm</td>
<td>2 mm</td>
<td>10.6 mm</td>
</tr>
<tr>
<td></td>
<td>5.0 mm</td>
<td>3 mm</td>
<td>11.6 mm</td>
</tr>
<tr>
<td></td>
<td>5.0 mm</td>
<td>4 mm</td>
<td>12.6 mm</td>
</tr>
<tr>
<td></td>
<td>5.0 mm</td>
<td>5 mm</td>
<td>13.6 mm</td>
</tr>
<tr>
<td></td>
<td>5.0 mm</td>
<td>6 mm</td>
<td>14.6 mm</td>
</tr>
</tbody>
</table>

Ball attachment for overdentures and removable dentures fixation for standard platform (2.1 mm) as an element for dental prosthetics on two or more implants. It is installed using universal or hand prosthetic insertion driver.

2.5

Ball attachment for overdentures and removable dentures fixation for wide platform (2.5 mm) as an element for dental prosthetics on two or more implants. It is installed using universal or hand prosthetic insertion driver.
LOCATORS

Standard platform

INTERNAL HEX 2.1

Each ball attachment should be supported by metal cap with 3 caps applied in the following sequence: Metal ↔ Soft ↔ Standard ↔ Hard to ensure the most comfortable adaptation of the patient to his new dental prosthesis.

<table>
<thead>
<tr>
<th>DIAmeter</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shoulder Length</td>
<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
<td>5 mm</td>
<td>6 mm</td>
</tr>
<tr>
<td>Full Length</td>
<td>8.2 mm</td>
<td>9.2 mm</td>
<td>10.2 mm</td>
<td>11.2 mm</td>
<td>12.2 mm</td>
</tr>
</tbody>
</table>

Locators for overdentures and removable dentures fixation for standard platform (2.1 mm) as an element for dental prosthetics on two or more implants. It is installed using universal or hand prosthetic insertion driver.

Wide platform

INTERNAL HEX 2.5

<table>
<thead>
<tr>
<th>DIAmeter</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
<th>3.85 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shoulder Length</td>
<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
<td>5 mm</td>
<td>6 mm</td>
</tr>
<tr>
<td>Full Length</td>
<td>8.2 mm</td>
<td>9.2 mm</td>
<td>10.2 mm</td>
<td>11.2 mm</td>
<td>12.2 mm</td>
</tr>
</tbody>
</table>

Locators for overdentures and removable dentures fixation for wide platform (2.5 mm) as an element for dental prosthetics on two or more implants. It is installed using universal or hand prosthetic insertion driver.
TITANIUM BASIS WITH A PLASTIC CAP

**Standard platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TBKS1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATERIAL</strong></td>
<td>Titanium Grade 5</td>
</tr>
<tr>
<td><strong>INTERNAL HEX</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>DIA</strong></td>
<td>4.5 mm</td>
</tr>
<tr>
<td><strong>LEN</strong></td>
<td>7.7 mm</td>
</tr>
</tbody>
</table>

Each abutment set includes:
- Prosthetic Screw

**Wide platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TBKB1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATERIAL</strong></td>
<td>Titanium Grade 5</td>
</tr>
<tr>
<td><strong>INTERNAL HEX</strong></td>
<td>2.5</td>
</tr>
<tr>
<td><strong>DIA</strong></td>
<td>4.5 mm</td>
</tr>
<tr>
<td><strong>LEN</strong></td>
<td>7.7 mm</td>
</tr>
</tbody>
</table>

Each abutment set includes:
- Prosthetic Screw
Titanium basis with a burnout plastic cap simplifies the technician’s work, while the crown is being modeled, as it is burnt out and is not subject to compression or deformation.

This suprastructure is used for manufacturing of individual crowns bonded to the standard base. A plastic sleeve burns out at high temperatures saving the accuracy between a titanium base and future crown. The impression obtained by the standard direct method is passed to the technical laboratory along with the suprastructure.

Step 1:
A lab technician makes a gypsum model and fixates a Titanium platform to it together with a plastic cap.

Step 2:
A lab technician forms a wax model of the future crown on the cap.

Step 3:
A formed wax model along with the cap is being removed by lab technician from the titanium basis.

Step 4:
The model along with the cap is transmitted to the laboratory for the future crown basis casting.

Step 5:
In the casting laboratory a sprue is being attached to the wax. The sprue in its turn is attached to the main sprue, forming the sprue tree.

Step 6:
A metal ring is being put on the sprue tree. This metal ring will serve as a form for filling the investment material.

Step 7:
The form with the sprue tree is filled in with investment material (special high-temperature pulp for casting).

Step 8:
After solidification of the investment material, the form is placed into a muffle furnace. The wax and the ash-free sleeve are burnt out at a temperature of 900-1100 °C forming a blow hole for future casting.

Step 9:
The blow hole, formed by burning out of wax and plastic, is filled with the necessary metal fluid alloy or ceramic. Using the method of vacuum or centrifugal casting, the blow holes are filled in with dental alloy (CoCr or NiCr).

Step 10:
The crown is released from sprues. After sandblasting, it is covered by ceramic to undergo heat treatment.

Step 11:
Prefabricated crown is bonded to the titanium platform with chemical cure composite.
PROSTHETICS FOR CAD/CAM

**Standard platform**

**Premill Abutment**
- **For ARUM**
  - **Diameter:** 10 mm
  - **Functional Length:** 20.0 mm
- **Material:** Titanium Grade 5
- **Product Code:** PMAS

**Scanmarker for CAD/CAM**
- **Material:** PEEK

**Titanium Scan-abutment for CAD/CAM**
- **Material:** Titanium Grade 5

**Wide platform**

**Premill Abutment**
- **For ARUM**
  - **Diameter:** 10 mm
  - **Functional Length:** 19.5 mm
- **Material:** Titanium Grade 5
- **Product Code:** PMAW

**Scanmarker for CAD/CAM**
- **Material:** PEEK

**Titanium Scan-abutment for CAD/CAM**
- **Material:** Titanium Grade 5

**Scan Abutment for MU**
- **Material:** PEEK
PROSTHETICS FOR CAD/CAM

**Standard platform**

**Ti Base S for CEREC**

- **Diameter**: 5.0 mm
- **Functional Length**: 4.65 mm
- **Shoulder**: 1 mm

**Titanium platform CAD/CAM**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>Non Hex</th>
<th>TPS-NH</th>
<th>TPS</th>
<th>TPS1</th>
<th>TPS2</th>
<th>TPS3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diameter</strong></td>
<td>4.6 mm</td>
<td>4.6 mm</td>
<td>4.6 mm</td>
<td>4.6 mm</td>
<td>4.6 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Functional Length</strong></td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Shoulder</strong></td>
<td>0.5 mm</td>
<td>0.5 mm</td>
<td>1 mm</td>
<td>2 mm</td>
<td>3 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Shoulder 1</strong></td>
<td>1.3 mm</td>
<td>1.3 mm</td>
<td>2.3 mm</td>
<td>3.3 mm</td>
<td>4.3 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Material**: Titanium Grade 5

**Each platform set includes:**

- **Prosthetic Screw**

---

**Wide platform**

**Ti Base W for CEREC**

- **Diameter**: 5.0 mm
- **Functional Length**: 4.65 mm
- **Shoulder**: 1 mm

**Titanium platform CAD/CAM**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>Non Hex</th>
<th>TPB-NH</th>
<th>TPB</th>
<th>TPB1</th>
<th>TPB2</th>
<th>TPB3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diameter</strong></td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Functional Length</strong></td>
<td>4.05 mm</td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td>4.1 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Shoulder</strong></td>
<td>0.5 mm</td>
<td>0.5 mm</td>
<td>1 mm</td>
<td>2 mm</td>
<td>3 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Shoulder 1</strong></td>
<td>1.3 mm</td>
<td>1.3 mm</td>
<td>2.3 mm</td>
<td>3.3 mm</td>
<td>4.3 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Material**: Titanium Grade 5

**Each platform set includes:**

- **Prosthetic Screw**

---
DIGITAL PROTOCOL FOR CREATING AN ORTHOPEDIC STRUCTURE

Home page bio3-implants.com contains the following libraries available for download: exocad libraries, 3SHAPE libraries.
**BURNOUT ABUTMENTS**

**Standard platform**

For bridge construction

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>4.2 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>LENGTH</td>
<td>14 mm</td>
</tr>
</tbody>
</table>

Plastic Cylinder Abutment
Non Hex

**MATERIAL**
Burned out plastic

**Wide platform**

For single construction

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>4.6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>LENGTH</td>
<td>15.5 mm</td>
</tr>
</tbody>
</table>

Burnout abutment
for standard platform (2.5 mm)
is intended for individual orthopedic constructions.

**MATERIAL**
Burnout plastic

**For bridge construction**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>4.6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>LENGTH</td>
<td>14.5 mm</td>
</tr>
</tbody>
</table>

Plastic Cylinder Abutment
Non Hex

**MATERIAL**
Burned out plastic

Each abutment set includes:

**PCB NH**

**PROSTHETIC SCREW**
LABORATORY IMPLANT ANALOGS

STANDARD PLATFORM

DIAMETER 3.75 mm
LENGTH 12.3 mm

WIDE PLATFORM

DIAMETER 4.0 mm
LENGTH 13.5 mm

MATERIAL Titanium Grade 5

Laboratory Implant Analog is used in laboratory modeling.

DIGITAL ANALOGS

STANDARD PLATFORM

DIAMETER 4.0 mm
LENGTH 9 mm

WIDE PLATFORM

DIAMETER 4.0 mm
LENGTH 9 mm

MATERIAL Titanium Grade 5

PLASTIC TRANSFER-CAP

STANDARD PLATFORM

DIAMETER 7.0 mm
LENGTH 10 mm

WIDE PLATFORM

DIAMETER 8.0 mm
LENGTH 10 mm

MATERIAL Titanium Grade 5
IMPRESSION TRANSFERS FOR OPEN TRAY

**Impression Suprastructures**

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
<th>WIDE PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td></td>
</tr>
<tr>
<td>4.2 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td></td>
</tr>
<tr>
<td>17.85 mm</td>
<td>18.45 mm</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

- **PRODUCT CODE** SOLS15, SOLB15

---

IMPRESSION TRANSFERS FOR CLOSED TRAY

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
<th>WIDE PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td></td>
</tr>
<tr>
<td>4.2 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td></td>
</tr>
<tr>
<td>13.75 mm</td>
<td>14.35 mm</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

- **PRODUCT CODE** SGLS9, SGLB9

---

Each transfers set includes:
- **SCREW SFT22**
- **SCREW SFT17**
Bio3 SURGICAL KIT

For a quick and easy dental surgery

- High-class surgical steel
- Fast and simple implant placement
- Two sets of stoppers
- Compact size
COMPONENTS OF THE SURGICAL KIT

**SURGICAL DRILLS**
The conical surgical drills without internal cooling with diamond type coating.

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>1.5</th>
<th>2.0</th>
<th>2.8</th>
<th>TCS</th>
<th>3.0</th>
<th>3.5</th>
<th>3.9</th>
<th>4.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TCB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>TCS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATERIAL: SURGICAL STEEL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DRILL STOPPERS**
Stoppers for drills diameter – 2.0 and 2.8
For drilling depth limitation

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>LB2.8/</th>
<th>8</th>
<th>10</th>
<th>11.5</th>
<th>13</th>
<th>LB3.0-4.7/</th>
<th>8</th>
<th>10</th>
<th>11.5</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB2.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LB3.0-4.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUPPORTING INSTRUMENTS**

1. Profile drills
2. Drill extension
3. Parallel pin x 2
   For socket direction and depth identification
4. Implant driver for implant retrieval
5. *Adapter for ratchet wrench

* Used in connection with implant driver to extract the implant from the flask

**INSTRUMENTS**

6. Universal screwdriver
   For screws 9 mm and 18 mm
   For prosthetic screws, abutments, healing caps and cover screws.
7. Implant drivers 9mm and 18mm
8. Depth gauge
9. Ratchet wrench for implant placement
10. Torque wrench adaptor, force 10/45H*

*tool is not included in the set, can be ordered additionally
COMPONENTS OF THE SURGICAL GUIDE KIT

DRILLS

PRODUCT CODE
- DG4.3xL3
- DG4.3xL10
- DG4.3xL11.5
- DG4.3xL19

PRODUCT CODE
- DG4.0L8
- DG4.0L10
- DG4.0L11.5
- DG4.0L19

PRODUCT CODE
- DG6.0L8
- DG6.0L10
- DG6.0L11.5
- DG6.0L19

PRODUCT CODE
- DG6.3L8
- DG6.3L10
- DG6.3L11.5
- DG6.3L19

MOUNTER PLATFORM

MP STANDARD

MP WIDE

BONE MILL

BMG 4.8

MOUNT DRIVERS

SMD Hex 3

LMD Hex 3

RATCHET ADAPTOR

SAD Hex 4

LAD Hex 4

TISSUE PUNCH

Tissue Punch

UNIVERSAL SCREWDRIVER FOR SCREWS 9 mm and 18 mm

SU9

SU18

*is not included in GSK, can be ordered additionally

Bio3 Implants | 45
# INSTRUMENTS

## IMPLANT DRIVERS

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
<th>WIDE PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>2.1 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>9 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
<th>WIDE PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>2.5 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>9 mm</td>
</tr>
</tbody>
</table>

## IMPLANT DRIVER (for implant retrieval)

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
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<tbody>
<tr>
<td>DIAMETER</td>
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<tr>
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<td>9 mm</td>
</tr>
</tbody>
</table>

## ADAPTER FOR RATCHET WRENCH

Adapter goes into the ratchet and serves as the connection between the wrench and implant driver.

### MATERIAL
Surgical steel

### PRODUCT CODE
- IS9, IS18
- IB9, IB18
- ITS9, ITS18
- ITB9, ITB18

### Implant driver of a different length – 9 mm and 18 mm for range ratchet

### Adapters are used for implant installation with handpiece – 9 mm and 18 mm

### Drill guide is placed inside the prepared drilling template and is intended to guide the drills and implant placement.
**STOPPERS FOR PILOT DRILLS**

**DIAMETER 2.8 mm**
Stoppers for cylinder pilot drills, diameter 2.0 and 2.8 mm

**DIAMETER 3.0-4.7 mm**
Stoppers for drill TCS 3.0, 3.5, 3.9, 4.7, diameter 3.0-4.7 mm

**MATERIAL** Surgical steel

**WRENCHES FOR SUPRASTRUCTURES**

For both platforms

- **SU9**
- **SU18**

Universal wrench of 9 mm and 18 mm length.
For prosthetic screws, cover screws and other accessories.

**SURGICAL TAPERED DRILLS**

**Diamond-like coating**

**MARK DRILL**

- **TCB1.5** 1.5 mm

**CYLINDRICAL PILOT DRILLS**

- **TCB2.0** 2.0 mm
- **TCS2.8** 2.8 mm

**TAPERED DRILLS**

**MATERIAL** Surgical steel

- **TCS3.0** Diameter 3.0 mm
- **TCS3.5** Diameter 3.5 mm
- **TCS3.9** Diameter 3.9 mm
- **TCS4.7** Diameter 4.7 mm

Please note:
Cutting instruments with diamond-like coating should generally be replaced after 50 autoclaving. Blunt or damaged instruments must be replaced immediately.

Surgical tapered drills of various diameters without inner cooling.
BONE TAPS FOR Bio3 PROGRESSIVE IMPLANTS

Bio3 Progressive

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TSP3.3</th>
<th>TSP3.8</th>
<th>TSP4.2</th>
<th>TSP5.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>3.3 mm</td>
<td>3.8 mm</td>
<td>4.2 mm</td>
<td>5.0 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>13 mm</td>
<td>13 mm</td>
<td>13 mm</td>
<td>13 mm</td>
</tr>
</tbody>
</table>

It is recommended to use them for I and II bone types. For range ratchet.

MATERIAL Surgical steel

BONE TAPS FOR Bio3 ADVANCED IMPLANTS

Bio3 Advanced

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TS3.3</th>
<th>TS3.8</th>
<th>TS4.2</th>
<th>TS5.0</th>
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</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>3.3 mm</td>
<td>3.8 mm</td>
<td>4.2 mm</td>
<td>5.0 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>13 mm</td>
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<td>13 mm</td>
<td>13 mm</td>
</tr>
</tbody>
</table>

It is recommended to use them for I and II bone types. For range ratchet.

MATERIAL Surgical steel
Bio3 BONE GRAFT is the natural osteoplastic material made of highly purified bull bone.

It is a safe transplantation material from Switzerland without any cell elements and protein particles. A unique technology of multi-level bone tissue purification combined with a method of heat treatment allows removing all organic components from the material and excluding any potential immune reactions.

Bio3 Bull Bone Graft possesses high osteogenic properties and biological compatibility with strongly marked hydrophilic qualities.

SIZE TABLE FOR BONE FRACTURE TYPES

**BULL BONE (fraction: 1 - 2 mm)**
- B3G102005 Bio3 Bone Microchips (0,5 g) 1 ml
- B3G102010 Bio3 Bone Microchips (1 g) 2 ml
- B3G102020 Bio3 Bone Microchips (2 g) 4 ml

**BULL BONE (fraction: 0,25 - 1 mm)**
- B3G251005 Bio3 Bone Microchips (0,5 g) 1 ml
- B3G251010 Bio3 Bone Microchips (1 g) 2 ml
Bio3 OSSEOINTEGRATION MONITOR

PenguinRFA – Removes Doubt

In today’s implant dentistry, the trend is to minimize the healing periods from short to none, before loading the implant. This puts serious responsibility on the specialists. If conditions are not optimal – poor primary stability may increase the risk of implant failure. PenguinRFA provides accurate and objective measurements of implant stability, serving as a reliable support when taking decisions on when to load.

The RFA Technique

Resonance Frequency Analysis (RFA) was introduced into implant dentistry more than 20 years ago. A peg, attached to an implant, receives a signal and the vibration frequency is picked up by the instrument, which is presented as an ISQ (Implant Stability Quotient) value.

Monitor the Osseointegration:
- Reduces treatment time
- Manages patient’s risks
- For immediate and postponed loading

The ISQ scale is measured from 1 to 99 and precisely correlates to implant’s micromobility. The degree of osseointegration can be measured by taking a baseline value of an implant placement before loading.