04 Bio3 Implants Company
08 Progressive Implant
14 Advanced Implant
22 Healing Caps
24 Cover Screw Healing Caps
25 Straight Anatomic Abutment
26 Straight Abutment
27 Angulated Anatomic Abutment 15°
28 Angulated Anatomic Abutment 25°
29 Screw Retained Abutments
31 Angulated Multi-Unit 17°
32 Angulated Multi-Unit 30°
36 Ball Attachments
37 Locators
38 Titanium Basis with a Burned-out Plastic Sleeve

40 Prosthetics for CAD/CAM
43 Burned-out Abutment
44 Laboratory Analog, Transfer for Bio LINE, Plastic transfer-cap
45 Impression Removal Transfers
48 Bio Line Healing Caps
52 Bio Line Straight Abutments
56 Bio Line Angulated Abutments
60 Bio3 Surgical Kit
62 Bio3 Guide Surgical Kit
66 Instruments, Implant Drivers, Adapters
67 Wrenches and Stoppers, Surgical Tapered Drills
68 Bone Taps
70 Material for bone regeneration Bio3 BONE
71 Bio3 PENGUIN
74 Bio3 VITAMIN COMPLEX
75 Bio3 IMPLANT CARE FOAM
NEW PRODUCTS

NEW SURGICAL KIT
with stoppers for all drills will be available in 2021

Bio3 PENGUIN MONITOR
OSSEOINTEGRATION
see page 71

Bio3 VITAMIN
see page 74

Bio3 IMPLANT CARE FOAM
see page 75
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 COMPANY

Bio3 Implants GmbH is a German company, which offers the 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.

**Bio3 Implants main benefits:**
- Precision conical connection
- Anodized hydrophilic surface
- Customers support 24/7
- Life-time warranty

**Reliability and quality**
Bio3 Implants conducts continuous and systematic quality control of all products which is confirmed by international quality standards ISO 13485:2016, EU. 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 tracking 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 manual for the patient.

**Compactness and availability**
We offer a simple and reliable solution for all possible clinical situations. The doctor uses only one surgical kit to perform operations on all implant types. Bio3 implant system has 2 platforms for implants with conical connection.

**Service and Training**
The company pays big attention to the service support to 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 different countries.

*Our mission is to help our clients every day by offering them reliability, aesthetics and patient’s beautiful smile.*

Your customer’s smile is our mutual success! We speak the same language with you!
Bio3 tapered implant system provides an ideal tight connection between the implant and abutment

Researches show that anodized surface stimulates bone tissue growth throughout entire implant surface, which provides high mechanical stability and osseointegration in much shorter terms. These unique properties of the surface allow performing orthopedic rehabilitation at an earlier stage as well as significantly reduce the risk within implant installation under one-stage protocol.

Bio3 Implants surface is a modern generation of surfaces in dental implantology.

Bio3 IMPLANTS SURFACE

Hydrophilic microporous structure of Bio3 Implants surface stimulates active bone tissue growth throughout entire implant surface.

Bio3 Implants surface is active and hydrophilic, with a distinct multilayered microporous structure. The thickness of the implant surface oxide layer reaches 10-15 microns. Micropores grow through the entire thickness of the oxide layer. When combining, they create a multilayered surface. This allows bone tissue not only to grow deeply into the micropores, but also to grow between them. Thus the implant surface area is significantly increased.

Respectively, the contact between bone tissue and implant surface is strengthened.

Titanium oxide film is enriched with calcium hydroxyapatite.
Extraction of the implant from a titanium sleeve

In order to prevent implant contact with other materials while removal, the implant is provided with a titanium sleeve. For maximum protection, the flask is packed in a sterile blister to avoid contact of the implant surface with any foreign particles.
Conical connection with inner hex provides precision implant-abutment connection and therefore, influences well on the stability process of permanent dental prostheses. 12° taper provides this connection with perfect fitting and tightness.

Conical connection is absolutely bacterial dense and shows excellent results in compression reduction in implant cervical part.

- Spiral-shaped implant with aggressive thread was developed for a better primary stability, therefore it is recommended to be used in II, III and IV bone tissue types.
- Conical implant body perfectly complies with the drill shape for more precision bone fitting.
- Implant body tapering ensures better self-tapping property. Noninvasive apical implant part prevents from anatomical damaging during sinus lifting
- Platform switching

Bio3 Implants surface is the latest generation of dental implant surfaces. It is active and hydrophilic. The increased surface area provides perfect bone–implant connection. Due to this advantage the implant has higher primary stability and quick osseointegration. It can be used with one- or two-stage protocol.

Due to the precise design of implant apical part it can prevent from damage of anatomical bone structure and can give the opportunity to the implantologist to decrease the time of surgical implantation stage. Progressive Implant enables to solve any clinical problems even in highly complicated situations.
**Bio3 IMPLANT PROGRESSIVE**

**Standard platform**

**PROGRESSIVE IMPLANT**

Progressive Implant is the newest development. Being self-tapping, it provides perfect fixation and primary stability.

Spiral-shaped implant form with various thread depth is developed for better bone compression while using in III-IV bone types.

**ATTENTION!**

It is used for installation in front and lateral parts (canines, incisors, premolars).

**PRODUCT CODE**

- **PTI3.3/8**: 8 mm
- **PTI3.3/10**: 10 mm
- **PTI3.3/11.5**: 11.5 mm
- **PTI3.3/13**: 13 mm

**RECOMMENDED DRILLING SPEED**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>800-1200</th>
<th>800-1000</th>
<th>600-800</th>
<th>500-700</th>
</tr>
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<tbody>
<tr>
<td>D1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D2</td>
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</tr>
<tr>
<td>D3</td>
<td>800-1000</td>
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<td>D4</td>
<td>800-1000</td>
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</tr>
</tbody>
</table>

*It is possible to order implants with SLA surface. Add «+SLA» to the relevant article in your order.*

**Implantation Protocol.**

- It is used for installation in front and lateral parts (canines, incisors, premolars).
- *It is possible to order implants with SLA surface. Add «+SLA» to the relevant article in your order.*

**ATTENTION!**

*It is used for installation in front and lateral parts (canines, incisors, premolars).**

- Our drill 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.
**Bio3 IMPLANT PROGRESSIVE**

**Implantation Protocol.**

*The Protocol does not replace an appropriate training.*

**It is used in I and II bone types.**

Our drill 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.

**ATTENTION!**

It is used for installation in front and lateral parts (canines, incisors, premolars).

---

**PRODUCT CODE**

<table>
<thead>
<tr>
<th>Drill 2.8</th>
<th>Drill 3.0</th>
<th>PTI3.8/8</th>
<th>PTI3.8/10</th>
<th>PTI3.8/11.5</th>
<th>PTI3.8/13</th>
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</thead>
<tbody>
<tr>
<td>Ø 3.2</td>
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<td>10 mm</td>
<td>11.5 mm</td>
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*It is possible to order implants with SLA surface. Add «+SLA» to the relevant article in your order.*

**RECOMMENDED DRILLING SPEED**

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<td>400–500</td>
<td>400–500</td>
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</tr>
</tbody>
</table>

**DIAMETER**

- **3.8**

**INTERNAL HEX**

- **2.1**

*STANDARD PLATFORM*

**TITANIUM COVER SCREW 2.1**

is included in each implant set
**Bio3 IMPLANT PROGRESSIVE**  
Wide platform

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>INTERNAL HEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**PRODUCT CODE**
- PTIB4.2/6 (6 mm)
- PTIB4.2/8 (8 mm)
- PTIB4.2/10 (10 mm)
- PTIB4.2/11.5 (11.5 mm)
- PTIB4.2/13 (13 mm)

**TITANIUM COVER SCREW 2.5**
is included in each implant set

**RECOMMENDED DRILLING SPEED**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>D1</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
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</thead>
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<td>800-1200</td>
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<td>400-500</td>
</tr>
</tbody>
</table>

*It is possible to order implants with SLA surface. Add «+SLA» to the relevant article in your order.

**Implantation Protocol.*

*The Protocol does not replace an appropriate training.
**It is used in I and II bone types.
*Our drill 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.
Bio3 IMPLANT PROGRESSIVE

Wide platform

**DIAMETER**
5.0

**INTERNAL HEX**
2.5

*It is possible to order implants with SLA surface. Add «+SLA» to the relevant article in your order.

**RECOMMENDED DRILLING SPEED**

<table>
<thead>
<tr>
<th>D1</th>
<th>D2</th>
<th>D3</th>
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<tr>
<td>800-1000</td>
<td>600-800</td>
<td>400-500</td>
<td>400-500</td>
</tr>
</tbody>
</table>

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Our drill 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.

**TITANIUM COVER SCREW 2.5**
is included in each implant set
Bio3 IMPLANT ADVANCED  
Tapered dental implants range

**CONICAL CONNECTION**

Conical connection with inner hex provides precision implant–abutment connection and therefore, influences well on the stability process of permanent dental prostheses. 12° taper provides this connection with perfect fitting and tightness.

Conical connection is absolutely bacterial dense and shows excellent results in compression reduction in implant cervical part.

**CHARACTERISTICS**

- Spiral-shaped implant with classical triangle thread of two recurrent lengths, self-tapping. It was developed for better primary stability. It can be used in various bone types.
- Conical implant body perfectly complies with the drill shape for more precision bone fitting.
- Implant body tapering ensures better self-tapping property. Noninvasive apical implant part prevents from anatomical damaging during sinus lifting.
- Platform switching

**SURFACE**

Bio3 Implants surface is the latest generation of dental implant surfaces. It is active and hydrophilic. The increased surface area provides perfect bone–implant connection. Due to this advantage the implant has higher primary stability and quick osseointegration. It can be used with one- or two-stage protocol.

**APICAL PART**

An apical part has sharp threads and antirotational sulci. Due to the special form of the apical part it can prevent from anatomical bone structure damage.
**Bio3 IMPLANT ADVANCED**

**Standard platform**

---

**ADVANCED IMPLANT**

Advanced Implant has a unique design developed to provide perfect clinical results for various dental implantation procedures. Its root-shaped form and self-tapping triple thread enables to ease implantation process and provides high level of primary stability. The implant cervical part is done with micro thread for maximum contact of the implant with a cortical layer and prevents from bone resorption.

---

**PRODUCT CODE**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Code</th>
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<tbody>
<tr>
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<td>ATI3.3/11.5</td>
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<td>13 mm</td>
<td>ATI3.3/13</td>
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**RECOMMENDED DRILLING SPEED**

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<th>Diameter</th>
<th>Speeds</th>
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<td>800-1200</td>
</tr>
<tr>
<td>D3</td>
<td>800-1000</td>
</tr>
<tr>
<td>D4</td>
<td>800-1000</td>
</tr>
</tbody>
</table>

---

**TITANIUM COVER SCREW 2.1**

Is included in each implant set.

---

*It is possible to order implants with SLA surface. Add «+SLA» to the relevant article in your order.*

---

*The Protocol does not replace an appropriate training.

**It is used in I and II bone types.

Our drill 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.
**Bio3 IMPLANT ADVANCED**

**Standard platform**

**Diameter**
- **3.8**

**Internal Hex**
- **2.1**

**Product Code**
- **ATI3.8/8**
- **ATI3.8/10**
- **ATI3.8/11.5**
- **ATI3.8/13**

**Recommended Drilling Speed**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Speed Range</th>
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<tbody>
<tr>
<td>D1</td>
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<td>D2</td>
<td>800-1200</td>
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<tr>
<td>D3</td>
<td>800-1200</td>
</tr>
<tr>
<td>D4</td>
<td>800-1200</td>
</tr>
<tr>
<td>D1</td>
<td>600-800</td>
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<tr>
<td>D2</td>
<td>600-800</td>
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<td>D3</td>
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<td>D4</td>
<td>400-500</td>
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<tr>
<td>D1</td>
<td>500-700</td>
</tr>
<tr>
<td>D2</td>
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<td>D3</td>
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<td>D4</td>
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<tr>
<td>D1</td>
<td>500-700</td>
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<tr>
<td>D2</td>
<td>600-800</td>
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<td>D3</td>
<td>500-600</td>
</tr>
<tr>
<td>D4</td>
<td>400-500</td>
</tr>
</tbody>
</table>

**Implantation Protocol**

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

Our drill 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.
Bio3 IMPLANT ADVANCED

Wide platform

- Product Code
  - ATIB4.2/8
  - ATIB4.2/10
  - ATIB4.2/11.5
  - ATIB4.2/13

- Diameter
  - 4.2

- Internal Hex
  - 2.5

- Recommended Drilling Speed
  - D1: 800-1200
  - D2: 800-1000
  - D3: 700-900
  - D4: 600-800

- Drill and Bone Tap
  - Drill 1.5
  - Drill 2.0
  - Drill 2.5
  - Drill 3.0
  - Drill 3.5
  - Drill 3.9
  - Profile drill P4.2
  - Bone Tap TIS4.2
  - Advanced 4.2

- Titanium Cover Screw
  - 2.5

- Implantation Protocol

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Bio3 IMPLANT ADVANCED

Wide platform

DIAMETER
5.0

INTERNAL HEX
2.5

PRODUCT CODE
ATB5/8 8 mm
ATB5/10 10 mm
ATB5/11.5 11.5 mm
ATB5/13 13 mm

TITANIUM COVER SCREW 2.5
is included in each implant set

RECOMMENDED DRILLING SPEED

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

| D1 | 600-800 |
| D2 | 600-800 |
| D3 | 600-800 |
| D4 | 600-800 |

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

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

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Implantation Protocol.*

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Bio3 IMPLANTS

Premium Dental Implants

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

**MATERIAL**: Titanium Grade 5
HEALING CAPS

Wide platform

**STANDARD**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>LENGTH</th>
<th>FULL LENGTH</th>
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<tbody>
<tr>
<td>5.1 mm</td>
<td>2 mm</td>
<td>8.45 mm</td>
</tr>
<tr>
<td>5.1 mm</td>
<td>3 mm</td>
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<td>4 mm</td>
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**WIDE**

<table>
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<tr>
<th>DIAMETER</th>
<th>LENGTH</th>
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<tr>
<td>5.5 mm</td>
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</tr>
<tr>
<td>5.5 mm</td>
<td>5 mm</td>
<td>10.9 mm</td>
</tr>
</tbody>
</table>

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

**MATERIAL** Titanium Grade 5

**PRODUCT CODE**

- GFB2
- GFB3
- GFB4
- GFB5
- GFB7
COVER SCREW HEALING CAPS

**Standard platform**

<table>
<thead>
<tr>
<th>DIAMETER</th>
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<td>3.2 mm</td>
<td>10.5 mm</td>
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**Wide platform**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>LENGTH</th>
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</thead>
<tbody>
<tr>
<td>4.0 mm</td>
<td>10.5 mm</td>
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</tbody>
</table>

**MATERIAL**

Titanium Grade 5

Ensures ideal gingival margin.
Suitable for any variants of following dental prosthetics.

**NEW**

**PRODUCT CODE**

GFNS

GFNB
STRAIGHT ANATOMIC ABUTMENTS

Standard platform

**STANDARD**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>SHOULDER</th>
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<tbody>
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<td>GAAS1</td>
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<td>1 mm</td>
<td>11.55 mm</td>
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<td>GAAS2</td>
<td>4.2 mm</td>
<td>2 mm</td>
<td>12.55 mm</td>
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<tr>
<td>GAAS3</td>
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<td>3 mm</td>
<td>13.55 mm</td>
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**WIDE**

<table>
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<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>SHOULDER</th>
<th>LENGTH</th>
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</thead>
<tbody>
<tr>
<td>GAAS1/W1</td>
<td>5.5 mm</td>
<td>1 mm</td>
<td>11.55 mm</td>
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<tr>
<td>GAAS1/W2</td>
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<td>GAAS1/W3</td>
<td>5.5 mm</td>
<td>3 mm</td>
<td>13.55 mm</td>
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</tbody>
</table>

**MATERIAL** Titanium Grade 5

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

**Wide platform**

**INTERNAL HEX 2.5**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>SHOULDER</th>
<th>LENGTH</th>
</tr>
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<tbody>
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<tr>
<td>GAAB2</td>
<td>5.1 mm</td>
<td>2 mm</td>
<td>13.4 mm</td>
</tr>
<tr>
<td>GAAB3</td>
<td>5.1 mm</td>
<td>3 mm</td>
<td>14.4 mm</td>
</tr>
</tbody>
</table>

**MATERIAL** Titanium Grade 5

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

**MATERIAL** Titanium Grade 5

**Diameter**

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.0 mm</td>
<td>3.35 mm</td>
<td>3.35 mm</td>
<td>3.35 mm</td>
</tr>
<tr>
<td>9 mm</td>
<td>6.7 mm</td>
<td>8.7 mm</td>
<td>11.7 mm</td>
</tr>
<tr>
<td>13.7 mm</td>
<td>10.55 mm</td>
<td>12.55 mm</td>
<td>15.55 mm</td>
</tr>
</tbody>
</table>

Titanium straight abutment for wide platform (2.5 mm). Prosthetic screw in each set. It is installed using universal or hand prosthetic insertion driver.

**MATERIAL** Titanium Grade 5

**Diameter**

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Length</th>
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<tr>
<td>5.5 mm</td>
<td>3.85 mm</td>
<td>3.85 mm</td>
<td>3.85 mm</td>
</tr>
<tr>
<td>9 mm</td>
<td>8.07 mm</td>
<td>10.07 mm</td>
<td>13.07 mm</td>
</tr>
<tr>
<td>13.9 mm</td>
<td>12.12 mm</td>
<td>14.12 mm</td>
<td>17.12 mm</td>
</tr>
</tbody>
</table>
ANGULATED ANATOMIC ABUTMENTS 15°

Standard platform

**INTERNAL HEX**

**2.1**

Each abutment set includes:

- **PROSTHETIC SCREW**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>SHOULDER</th>
<th>LENGTH</th>
<th>ANGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAAS15</td>
<td>3.35 mm</td>
<td>1 mm</td>
<td>11.0 mm</td>
<td>15°</td>
</tr>
<tr>
<td>EAAS1501</td>
<td>4.2 mm</td>
<td>2 mm</td>
<td>10.85 mm</td>
<td>15°</td>
</tr>
<tr>
<td>EAAS1502</td>
<td>4.2 mm</td>
<td>3 mm</td>
<td>11.85 mm</td>
<td>15°</td>
</tr>
<tr>
<td>EAAS1503</td>
<td>4.2 mm</td>
<td></td>
<td>12.85 mm</td>
<td>15°</td>
</tr>
</tbody>
</table>

Angulated anatomic titanium abutment 15° for standard platform (2.1 mm) with 1, 2, 3 mm shoulder or without it. Prosthetic screw in each set. It is installed using universal or hand prosthetic insertion driver.

**MATERIAL** Titanium Grade 5

Wide platform

**INTERNAL HEX**

**2.5**

Each abutment set includes:

- **PROSTHETIC SCREW**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>SHOULDER</th>
<th>LENGTH</th>
<th>ANGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAAB15</td>
<td>3.85 mm</td>
<td>1 mm</td>
<td>12.85 mm</td>
<td>15°</td>
</tr>
<tr>
<td>EAAB1501</td>
<td>5.1 mm</td>
<td>2 mm</td>
<td>11.55 mm</td>
<td>15°</td>
</tr>
<tr>
<td>EAAB1502</td>
<td>5.1 mm</td>
<td>3 mm</td>
<td>12.2 mm</td>
<td>15°</td>
</tr>
<tr>
<td>EAAB1503</td>
<td>5.1 mm</td>
<td></td>
<td>13.2 mm</td>
<td>15°</td>
</tr>
</tbody>
</table>

Angulated anatomic titanium abutment 15° for wide platform (2.5 mm) with 1, 2, 3 mm shoulder or without it. Prosthetic screw in each set. It is installed using universal or hand prosthetic insertion driver.

**MATERIAL** Titanium Grade 5
ANGULATED ANATOMIC ABUTMENTS 25°

**Standard platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>EAAS25</th>
<th>EAAS2502</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>3.35 mm</td>
<td>4.2 mm</td>
</tr>
<tr>
<td>SHOULDER</td>
<td>2 mm</td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>10.9 mm</td>
<td>11.75 mm</td>
</tr>
<tr>
<td>ANGLE</td>
<td>25°</td>
<td>25°</td>
</tr>
</tbody>
</table>

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

**Wide platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>EAAB25</th>
<th>EAAB2502</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>3.85 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td>SHOULDER</td>
<td>2 mm</td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>12.8 mm</td>
<td>12.15 mm</td>
</tr>
<tr>
<td>ANGLE</td>
<td>25°</td>
<td>25°</td>
</tr>
</tbody>
</table>

Angulated anatomic titanium abutment 25° for wide platform (2.5 mm) with 2 mm shoulder or without it. Prosthetic screw in each set. It is installed using universal or hand prosthetic insertion driver.
### SCREW RETAINED ABUTMENTS

#### Standard platform

<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>

**MATERIAL** Titanium Grade 5

The abutment is used to renew a single construction or a fixed bridge with screw retention. Screw in with a maximum force of 20 newton.

#### Wide platform

<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>

**MATERIAL** Titanium Grade 5

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

**INTERNAL HEX**

- **Standard platform**
  - 2.1
- **Wide platform**
  - 2.5

#### Healing Cap

- Titanium sleeve for screw retained abutment
- Healing Cap for screw retained abutment

- **Burned-out plastic sleeve**
  - Plastic VAAS for screw retained abutment
  - Plastic VAAS NON HEX for screw retained abutment

- **Temporary PEEK sleeve**
  - Temporary PEEK sleeve for screw retained abutment

- **Laboratory Analog**
  - Laboratory Analog for screw retained abutment

- **Transfer**
  - Transfer for screw retained abutment

- **GAVAA**
- **GAES2**
- **Plastic VAAS**
- **Plastic VAAS NON HEX**
- **TGAS 1**
- **IAES**
- **SAES15**

*Screw SSA is included*
# SCREW RETAINED ABUTMENTS

## Standard platform

![Image](image1.png)

**MATERIAL** Titanium Grade 5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>VAAS1+</th>
<th>VAAS2+</th>
<th>VAAS3+</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>4.3 mm</td>
<td>4.3 mm</td>
<td>4.3 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>1 mm</td>
<td>2 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

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

## Wide platform

![Image](image2.png)

**MATERIAL** Titanium Grade 5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>VAAB1+</th>
<th>VAAB2+</th>
<th>VAAB3+</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>4.3 mm</td>
<td>4.3 mm</td>
<td>4.3 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>1 mm</td>
<td>2 mm</td>
<td>3 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Titanium sleeve for screw retained abutment / angulated multi-unit</strong></th>
<th><strong>Castable sleeve for screw retained abutment / angulated multi-unit</strong></th>
<th><strong>Healing Cap</strong></th>
<th><strong>Healing Cap Wide</strong></th>
<th><strong>Burned-out plastic sleeve</strong></th>
<th><strong>Temporary PEEK sleeve</strong></th>
<th><strong>Laboratory Analog</strong></th>
<th><strong>Transfer</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Image" /> GIMV</td>
<td><img src="image4.png" alt="Image" /> CSMU</td>
<td><img src="image5.png" alt="Image" /> GIMA</td>
<td><img src="image6.png" alt="Image" /> GIMA-W</td>
<td><img src="image7.png" alt="Image" /> Plastic TCMS</td>
<td><img src="image8.png" alt="Image" /> TGMN 1</td>
<td><img src="image9.png" alt="Image" /> IAEN</td>
<td><img src="image10.png" alt="Image" /> SOKM15</td>
</tr>
</tbody>
</table>

* Screw for GIMA is included
ANGULATED MULTI-UNITS 17°

Standard platform

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

Each multi-unit basis set includes:

- **PROSTHETIC SCREW**

Angulated multi-unit 17° of a standard/wide platform is intended for the construction with screw retention during the treatment of partial or full edentia. It is used in cases during which the implant is placed at an angle. The set includes a bone screw. A multifunctional torque wrench is used for the installation.

Wide platform

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

- Castable sleeve for screw retained abutment / angulated multi-unit

- Healing Cap for screw retained abutment / angulated multi-unit

- Healing Cap Wide for screw retained abutment / angulated multi-unit

- Burned-out plastic sleeve for screw retained abutment / angulated multi-unit

- Temporary PEEK sleeve for screw retained abutment / angulated multi-unit

- Laboratory Analog for screw retained abutment / angulated multi-unit

- Transfer for screw retained abutment / angulated multi-unit

* Screw for GIMA is included

INTERNAL HEX

- **2.1**

- **2.5**
Angular multi-units 30°

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>

| Internal Hex | 2.1 |

Angulated multi-unit 30° of a standard/wide platform is intended for the construction with screw retention during the treatment of partial or full edentulism. It is used in cases during which the implant is placed at an angle. The set includes a bone screw. 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>

| Internal Hex | 2.5 |

Each multi-unit basis set includes:

- **PROSTHETIC SCREW**

Titanium sleeve for screw retained abutment / angulated multi-unit

- **GIMV**
- **CSMU**
- **GIMA**
- **GIMA-W**
- **Plastic TCMS**
- **TGHN 1**
- **IAEN**
- **SOKM15**

Screw for GIMA is included.
SCREW RETAINED ABUTMENTS MANUAL

Using titanium sleeve

1. Gypsum
2. Titanium sleeve
3. Denture
4. Bone

Model
Analogs
Retaining screw
Intra-oral fixation
Implants
Using temporary PEEK sleeve for screw retained abutment

1. Retaining screw
2. PEEK Sleeve
3. Screw retained abutment
4. Temporary crown

Using burned-out plastic sleeve for individual construction production

1. Prosthetic screw
2. Transfer
3. Impression material
4. Open tray impression
5. Gypsum model

1. Implant
2. Bone
3. Retaining screw
4. Burned-out plastic sleeve
5. Analogs
6. Crown
7. Bone
8. Implants
### BALL ATTACHMENTS

#### Standard platform

**Material:** Titanium Grade 5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAS2</td>
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</tr>
<tr>
<td>BAS3</td>
<td>4.2 mm</td>
<td>3 mm</td>
</tr>
<tr>
<td>BAS4</td>
<td>4.2 mm</td>
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<tr>
<td>BAS5</td>
<td>4.2 mm</td>
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</tr>
<tr>
<td>BAS6</td>
<td>4.2 mm</td>
<td>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.

#### Wide platform

**Material:** Titanium Grade 5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAB2</td>
<td>5.0 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td>BAB3</td>
<td>5.0 mm</td>
<td>3 mm</td>
</tr>
<tr>
<td>BAB4</td>
<td>5.0 mm</td>
<td>4 mm</td>
</tr>
<tr>
<td>BAB5</td>
<td>5.0 mm</td>
<td>5 mm</td>
</tr>
<tr>
<td>BAB6</td>
<td>5.0 mm</td>
<td>6 mm</td>
</tr>
</tbody>
</table>

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

![Diagrams showing 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.]

**Material**: Titanium Grade 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>LENGTH</td>
<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
<td>5 mm</td>
<td>6 mm</td>
</tr>
</tbody>
</table>

**Wide platform**

**INTERNAL HEX**

2.5

![Diagrams showing 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.]

**Material**: Titanium Grade 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>LENGTH</td>
<td>2 mm</td>
<td>3 mm</td>
<td>4 mm</td>
<td>5 mm</td>
<td>6 mm</td>
</tr>
</tbody>
</table>
TITANIUM BASIS WITH A BURNED-OUT PLASTIC SLEEVE

**Standard platform**

**INTERNAL HEX**

<table>
<thead>
<tr>
<th>DIAETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5 mm</td>
<td>7.7 mm</td>
</tr>
</tbody>
</table>

**PRODUCT CODE**

TBKS1

**MATERIAL**

Titanium Grade 5
Burned out plastic

**Wide platform**

**INTERNAL HEX**

<table>
<thead>
<tr>
<th>DIAETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5 mm</td>
<td>7.7 mm</td>
</tr>
</tbody>
</table>

**PRODUCT CODE**

TBKB1

**MATERIAL**

Titanium Grade 5
Burned out plastic
Titanium basis with burned-out plastic sleeve simplifies the technician’s work while crowns modeling as it is burnt out and is not subject to shrinkage or deformation.

**Step 1:** A lab technician makes a gypsum model and fastens titanium platform in it together with a plastic cap.

**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 thereby forming the sprue tree.

**Step 9:** Into the blow hole, formed by burning out of wax and plastic, the desired free-flowing metal or free-flowing ceramics (in a fluid state) is being filled in. Using the method of vacuum or centrifugal casting, blow holes are filled in with dental alloy (CoCr or NiCr).

This suprastructure is intended for manufacturing of individual bonding crowns to the standard base. This suprastructure usage simplifies the technician’s work while crowns modeling as the burned-out plastic sleeve is burnt out and is not subject to shrinkage or deformation, and it simply burns out at high temperatures saving the precision between titanium base and future crown.

The impression obtained by standard direct method along with the suprastructure is passed to the technical laboratory.

**Step 2:** Lab technician molds wax model of the future tooth crown on the cap.

**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 3:** Molded wax model along with the cap is being removed by lab technician from the titanium basis.

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

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

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

**Step 10:** The crown is released from sprues and is being sandblasted; ceramic firing on it and it is being baked.

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

**PREMILL ABUTMENT**

**DIAMETER**
- 10 mm

**FUNCTIONAL LENGTH**
- 20.0 mm

**PMAS**
- **MATERIAL**
  - Titanium Grade 5
- **PRODUCT CODE**
- **STPS**
  - **MATERIAL**
  - PEEK
- **FUNCTIONAL LENGTH**
  - ø 10
- **DIA**
  - 20.0 mm

**Scan-abutment for CAD/CAM TPS**
- Each platform set includes:

**STPS-Ti**
- **MATERIAL**
  - Titanium Grade 5
- **FUNCTIONAL LENGTH**
  - ø 8
- **DIA**
  - 10.5 mm

**Scan-abutment Narrow**
- Each platform set includes:

**STP MU**
- **MATERIAL**
  - PEEK
- **FUNCTIONAL LENGTH**
  - ø 4.0
- **DIA**
  - 4.5 mm

**Wide platform**

**PREMILL ABUTMENT**

**DIAMETER**
- 10 mm

**FUNCTIONAL LENGTH**
- 19.5 mm

**PMAW**
- **MATERIAL**
  - Titanium Grade 5
- **PRODUCT CODE**
- **STPB**
  - **MATERIAL**
  - PEEK
- **FUNCTIONAL LENGTH**
  - ø 10
- **DIA**
  - 14.5 mm

**Scan-abutment for CAD/CAM TPS**
- Each platform set includes:

**STPB-Ti**
- **MATERIAL**
  - Titanium Grade 5
- **FUNCTIONAL LENGTH**
  - ø 8
- **DIA**
  - 10.5 mm

**Scan-abutment Narrow**
- Each platform set includes:

**Titanium platform for CAD/CAM MU**
- **SCAN ABUTMENT**
  - **MATERIAL**
  - Titanium Grade 5
- **FUNCTIONAL LENGTH**
  - ø 8
- **DIA**
  - 19.5 mm

**Each platform set includes:**
- **STPS**
  - **MATERIAL**
  - PEEK
- **FUNCTIONAL LENGTH**
  - ø 8
- **DIA**
  - 19.5 mm

**PMAS**
- **MATERIAL**
  - Titanium Grade 5
- **FUNCTIONAL LENGTH**
  - ø 10
- **DIA**
  - 20.0 mm

**STPB**
- **MATERIAL**
  - PEEK
- **FUNCTIONAL LENGTH**
  - ø 8
- **DIA**
  - 14.0 mm

**STPS-Ti**
- **MATERIAL**
  - Titanium Grade 5
- **FUNCTIONAL LENGTH**
  - ø 8
- **DIA**
  - 10.5 mm
### PROSTHETICS FOR CAD/CAM

#### Standard platform

**Titanium Base for Cerec**

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

**Material**: Titanium Grade 5

**Titanium platform CAD/CAM**

for standard platform (2.1 mm)

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TPS-NH</th>
<th>TPS</th>
<th>TPS1</th>
<th>TPS2</th>
<th>TPS3</th>
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<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>
</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>
</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>
</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>
</tr>
</tbody>
</table>

**Material**: Titanium Grade 5

#### Wide platform

**Titanium Base for Cerec**

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

**Material**: Titanium Grade 5

**Titanium platform CAD/CAM**

for wide platform (2.5 mm)

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TPB-NH</th>
<th>TPB</th>
<th>TPB1</th>
<th>TPB2</th>
<th>TPB3</th>
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<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</td>
<td>5.1 mm</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>
</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>
</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>
</tr>
</tbody>
</table>

**Material**: Titanium Grade 5
DIGITAL PROTOCOL FOR CREATING AN ORTHOPEDIC STRUCTURE

Home page bio3-implants.com contains the following libraries available for download: Exocad libraries, 3SHAPE libraries.
## BURNED-OUT ABUTMENTS

**Standard platform**

<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
- Burned out plastic

**Wide platform**

<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>

**Burned-out abutment**
- for standard platform (2.5 mm)
- is intended for individual orthopedic constructions.

<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
- Burned out plastic
**LABORATORY ANALOGS**

**STANDARD PLATFORM**
- **DIAMETER**: 3.75 mm
- **LENGTH**: 12.3 mm

**WIDE PLATFORM**
- **DIAMETER**: 4.0 mm
- **LENGTH**: 13.5 mm

Laboratory Implant Analog for standard platform (2.1 mm) as well as for wide platform (2.5 mm). It 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

**TRANSFER FOR Bio LINE**
- **DIAMETER**: 5.5 mm
- **LENGTH**: 9.25 mm

**PLASTIC TRANSFER-CAP**
- **DIA: 7.0 mm**
- **LENGTH: 10 mm**
- **DIA: 8.0 mm**
- **LENGTH: 10 mm**
---

## Impression Transfers for Open Tray

**Impression Suprastructures**

<table>
<thead>
<tr>
<th></th>
<th>Standard Platform</th>
<th>Wide Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diameter</strong></td>
<td>4.2 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>17.85 mm</td>
<td>18.45 mm</td>
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**Material:** Titanium Grade 5

---

## Impression Transfers for Closed Tray

<table>
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<tr>
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<th>Standard Platform</th>
<th>Wide Platform</th>
</tr>
</thead>
<tbody>
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<td><strong>Diameter</strong></td>
<td>4.2 mm</td>
<td>5.1 mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>13.75 mm</td>
<td>14.35 mm</td>
</tr>
</tbody>
</table>

**Material:** Titanium Grade 5

---

Each transfers set includes:

- Screw SFT17
- Screw SFT22

---

**Product Codes:**

- SOLS15
- SGLS9
- SOLB15
- SGLB9

---

---
INSTRUCTIONS FOR Bio LINE

An exclusive product: prosthetics Bio Line repeats the natural shape of teeth at the level of gums, which allows to form an anatomically correct gingival line.

Unlike conventional suprastructures, which are circular in cross section, Bio Line product range is characterized by a natural anatomical shape, which is different for various types of teeth - incisors, canines, premolars and molars.

For convenience and correctness of the positioning of the structure (implant and suprastructures), an arrow is marked on the surface of an adapter for an implant driver. Control of the direction of this arrow guarantees the desired position of the internal hex of the implant for the correct installation of the suprastructures.

Correct installation of a Bio3 implant
1. Insert an implant using an implant driver into the bone bed and manually or using a machine implant driver tighten it clockwise until it stops;
2. Remove implant driver by pulling it straight up with little effort;
3. Finish implant installation with a help of a torque wrench with a force of 30 N/cm;
4. Make sure that an arrow on the surface of an adapter of implant driver is directed outward perpendicular to the alveolar ridge;
5. Make sure there are no bone fragments and soft tissue on the implant platform and on its inner surface;
6. Install the implant plug with a universal wrench;
7. Sew soft tissue.

Anatomical formation of soft tissues using Bio Line products
8. Perform a gum incision along the top of the alveolar ridge above the implant or use a tissue punch (mucotome) to open the implant plug;
9. In case of invasion of excess bone above the implant surface, remove it, freeing the horizontal surface of the implant;
10. Remove the plug;
11. Choose a healing cap from Bio Line product range according to the thickness of mucosa.
12. Depending on the type of a tooth, Bio Line range includes healing caps of 4 forms for:
   - incisors
   - canines
   - premolars
   - molars;
13. Install and fix the required Bio Line healing cap into the internal hex of the implant using a universal wrench;
   **Attention!** For convenience and correct installation of the Bio Line healing cap, the arrow is marked on the surface of an adapter. When installing, make sure that this arrow is directed outward perpendicular to the alveolar ridge. This way, you can ensure the correct position of the healing cap and further a Bio Line abutment in the internal hex of the implant.
14. Fix the healing cap with an orthopedic screw (included into the kit);
15. Perform necessary manipulations with soft tissue;

Installation of transfer and impression taking
16. Remove the healing cap with a universal or manual orthopedic wrench;
17. Set the open tray transfer to the implant for taking an impression;
18. Fill impression tray with impression material;
19. Place the impression tray into the patient’s oral cavity and wait until the mass hardens;
20. Remove the impression with transfers;
21. Transfer the impression to the laboratory for making a crown;
22. Reinstall the healing cap till the crown is manufactured;

Installation of Bio Line anatomic abutment
23. Remove the healing abutment using the universal orthopedic wrench;
24. Depending on the type of a tooth, select the appropriate Bio Line abutment, identical to the shape of a natural tooth for:
   - incisors
   - canines
   - premolars
   - molars;
   **Attention!** For convenience and correct installation of the Bio Line anatonical abutment, an arrow is marked on the surface of the adapter. When installing, make sure that this arrow is perpendicular to the alveolar ridge. This way, you can ensure the correct position of the Bio Line abutment in the internal hex of the implant.
25. Install a ready-made orthopedic construction into the implant bed;
26. Fix the entire structure using an orthopedic screw that is included in the kit;
27. Close the remaining hole with composite material.

Let’s highlight the main benefits of using Bio Line unique prosthetics:
- Anatomically correct restoration of the gingival line, as well as the chewing function,
- Absence of additional surgery for gingival plastics,
- Restoration of the beautiful aesthetics, appearance, and feeling of the patient as if having a natural tooth.
Bio3 IMPLANTS
Premium Dental Implants

Bio LINE

Bio3 IMPLANTS

Bio3 IMPLANTS
Suprastructures

HEALING CAPS, INCISOR TYPE

**Standard platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>GFIS 2.25</th>
<th>GFIS 4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH 1</td>
<td>5.0 mm</td>
<td>5.0 mm</td>
</tr>
<tr>
<td>WIDTH 2</td>
<td>6.0 mm</td>
<td>6.0 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>4.1 mm</td>
<td>5.95 mm</td>
</tr>
<tr>
<td>LENGTH 1</td>
<td>2.25 mm</td>
<td>4.0 mm</td>
</tr>
</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume. Identical to natural incisor form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

**Wide platform**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>GFIB 2.25</th>
<th>GFIB 4.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH 1</td>
<td>5.0 mm</td>
<td>5.0 mm</td>
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<tr>
<td>WIDTH 2</td>
<td>6.0 mm</td>
<td>6.0 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>4.5 mm</td>
<td>6.35 mm</td>
</tr>
<tr>
<td>LENGTH 1</td>
<td>2.25 mm</td>
<td>4.0 mm</td>
</tr>
</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume. Identical to natural incisor form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.

**MATERIAL** Titanium Grade 5

Each abutment set includes:

- **INTERNAL HEX**
  - Standard platform: 2.1
  - Wide platform: 2.5

**Prosthetic Screw**
## HEALING CAPS, CANINE TYPE

### Standard platform

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Standard platform</th>
<th>INTERNAL HEX</th>
<th>2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH 1</td>
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<td></td>
</tr>
<tr>
<td>WIDTH 2</td>
<td>6.5 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>4.1 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LENGTH 1</td>
<td>2.25 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume. Identical to natural canine form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

### Wide platform

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Wide platform</th>
<th>INTERNAL HEX</th>
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<tbody>
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<td></td>
<td></td>
</tr>
<tr>
<td>LENGTH</td>
<td>4.5 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LENGTH 1</td>
<td>2.25 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume. Identical to natural canine form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.
HEALING CAPS, PREMOLAR TYPE

Standard platform

**INTERNAL HEX**

2.1

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>WIDTH 1</th>
<th>WIDTH 2</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFPS 2.25</td>
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</tr>
<tr>
<td>GFPS 4.0</td>
<td>4.5 mm</td>
<td>6.0 mm</td>
<td>5.95 mm</td>
</tr>
</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume.
Identical to natural premolar form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

**MATERIAL** Titanium Grade 5

Wide platform

**INTERNAL HEX**

2.5

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>WIDTH 1</th>
<th>WIDTH 2</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFPB 2.25</td>
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<tr>
<td>GFPB 4.0</td>
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<td>5.95 mm</td>
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</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume.
Identical to natural premolar form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.

**MATERIAL** Titanium Grade 5
HEALING CAPS, MOLAR TYPE

**Standard platform**

<table>
<thead>
<tr>
<th>INTERNAL HEX</th>
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</thead>
<tbody>
<tr>
<td>PRODUCT CODE</td>
<td>GFMS 2.25</td>
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</tbody>
</table>

Anatomic design. Formation of constant anatomic gingival volume. Identical to natural molar form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

**Wide platform**

<table>
<thead>
<tr>
<th>INTERNAL HEX</th>
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</thead>
<tbody>
<tr>
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Anatomic design. Formation of constant anatomic gingival volume. Identical to natural molar form. No need for soft tissue transplantation after the implantation or tooth removal. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.

**Material:** Titanium Grade 5
STRAIGHT ABUTMENTS, INCISOR TYPE

**Standard platform**

**INTERNAL HEX**

2.1

<table>
<thead>
<tr>
<th>WIDTH 1</th>
<th>5.0 mm</th>
<th>5.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH 2</td>
<td>6.0 mm</td>
<td>6.0 mm</td>
</tr>
<tr>
<td>LENGTH</td>
<td>10.0 mm</td>
<td>11.85 mm</td>
</tr>
<tr>
<td>LENGTH 1</td>
<td>2.7 mm</td>
<td>4.5 mm</td>
</tr>
</tbody>
</table>

Biological construction identical to natural incisor form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

**Wide platform**

**INTERNAL HEX**

2.5

<table>
<thead>
<tr>
<th>WIDTH 1</th>
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<td>LENGTH</td>
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</tr>
<tr>
<td>LENGTH 1</td>
<td>3.10 mm</td>
<td>5.0 mm</td>
</tr>
</tbody>
</table>

Biological construction identical to natural incisor form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.
STRAIGHT ABUTMENTS, CANINE TYPE

Standard platform

** INTERNAL HEX 2.1 **

| WIDTH 1 | 5.0 mm | 5.0 mm |
| WIDTH 2 | 6.5 mm | 6.5 mm |
| LENGTH  | 10.4 mm| 12.25 mm |
| LENGTH 1| 2.7 mm | 4.5 mm |

Biological construction identical to natural canine form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver.

For standard platform (2.1 mm). Prosthetic screw in each set.

** MATERIAL Titanium Grade 5 **

Wide platform

** INTERNAL HEX 2.5 **

| WIDTH 1 | 5.0 mm | 5.0 mm |
| WIDTH 2 | 6.5 mm | 6.5 mm |
| LENGTH  | 10.80 mm| 12.65 mm |
| LENGTH 1| 3.10 mm| 5.0 mm |

Biological construction identical to natural canine form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver.

For wide platform (2.5 mm). Prosthetic screw in each set.

** MATERIAL Titanium Grade 5 **
STRAIGHT ABUTMENTS, PREMOLAR TYPE

**Standard platform**

<table>
<thead>
<tr>
<th>WIDTH 1</th>
<th>4.5 mm</th>
<th>4.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>LENGTH</td>
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</tr>
<tr>
<td>LENGTH 1</td>
<td>2.7 mm</td>
<td>4.5 mm</td>
</tr>
</tbody>
</table>

Biological construction identical to natural premolar form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver.

For standard platform (2.1 mm). Prosthetic screw in each set.

**Wide platform**

<table>
<thead>
<tr>
<th>WIDTH 1</th>
<th>4.5 mm</th>
<th>4.5 mm</th>
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<tbody>
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<tr>
<td>LENGTH</td>
<td>10.8 mm</td>
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<td>LENGTH 1</td>
<td>3.10 mm</td>
<td>5.0 mm</td>
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</tbody>
</table>

Biological construction identical to natural premolar form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver.

For wide platform (2.5 mm). Prosthetic screw in each set.
STRAIGHT ABUTMENTS, MOLAR TYPE

**Standard platform**

| WIDTH 1 | 6.0 mm | 6.0 mm |
| WIDTH 2 | 7.0 mm | 7.0 mm |
| LENGTH | 9.0 mm | 10.85 mm |
| LENGTH 1 | 2.7 mm | 4.5 mm |

Biological construction identical to natural molar form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver.

For standard platform (2.1 mm). Prosthetic screw in each set.

**Wide platform**

| WIDTH 1 | 6.0 mm | 6.0 mm |
| WIDTH 2 | 7.0 mm | 7.0 mm |
| LENGTH | 9.40 mm | 11.25 mm |
| LENGTH 1 | 3.10 mm | 5.0 mm |

Biological construction identical to natural molar form. Wide range of shapes, heights and shoulders. Scalloped edges comply with the contour of gingival margin. It is installed using universal or hand prosthetic insertion driver.

For wide platform (2.5 mm). Prosthetic screw in each set.

**Material**

- Titanium Grade 5

---

**PRODUCT CODE**

Bio3 Implants | Bio LINE

**INTERNAL HEX**

- 2.1
- 2.5

---

**Each abutment set includes:**

- Prosthetic screw
Angulated anatomic abutment, incisor type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

### Standard platform

**MATERIAL** | Titanium Grade 5
---|---
**PRODUCT CODE** | EAIS 15/9.0, EAIS 15/10.0, EAIS 25/9.0, EAIS 25/10.0

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<tr>
<td>2.7 mm</td>
<td>4.5 mm</td>
<td>2.7 mm</td>
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</tbody>
</table>

### Wide platform

**MATERIAL** | Titanium Grade 5
---|---
**PRODUCT CODE** | EAIB 15/9.0, EAIB 15/10.0, EAIB 25/9.0, EAIB 25/10.0

<table>
<thead>
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<th>Length</th>
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</thead>
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<tr>
<td>3.1 mm</td>
<td>5.0 mm</td>
<td>3.1 mm</td>
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</tbody>
</table>

Angulated anatomic abutment, incisor type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.
Angulated anatomic abutment, canine type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm), prosthetic screw in each set.

**Standard platform**

<table>
<thead>
<tr>
<th>Angle 15°</th>
<th>Angle 25°</th>
</tr>
</thead>
<tbody>
<tr>
<td>EACS 15/9.0</td>
<td>EACS 15/10.0</td>
</tr>
<tr>
<td>EACS 25/9.0</td>
<td>EACS 25/10.0</td>
</tr>
</tbody>
</table>

- **INTERNAL HEX**: 2.1
- **Material**: Titanium Grade 5
- **Width 1**: 5.0 mm
- **Width 2**: 6.5 mm
- **Length**: 11.0 mm
- **Length 1**: 2.7 mm

Angulated anatomic abutment, canine type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm), prosthetic screw in each set.

**Wide platform**

<table>
<thead>
<tr>
<th>Angle 15°</th>
<th>Angle 25°</th>
</tr>
</thead>
<tbody>
<tr>
<td>EACB 15/9.0</td>
<td>EACB 15/10.0</td>
</tr>
<tr>
<td>EACB 25/9.0</td>
<td>EACB 25/10.0</td>
</tr>
</tbody>
</table>

- **INTERNAL HEX**: 2.5
- **Material**: Titanium Grade 5
- **Width 1**: 5.0 mm
- **Width 2**: 6.5 mm
- **Length**: 11.4 mm
- **Length 1**: 3.10 mm
ANGULATED ABUTMENTS PREMOLAR TYPE TYPE 15° / 25°

Standard platform

Each abutment set includes:

**PRODUCT CODE**

**INTERNAL HEX**

<table>
<thead>
<tr>
<th>Width 1</th>
<th>Width 2</th>
<th>Length</th>
<th>Length 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5 mm</td>
<td>6.0 mm</td>
<td>10.0 mm</td>
<td>2.7 mm</td>
</tr>
</tbody>
</table>

INTERNAL HEX

2.1

Prosthetic screw in each set.

Angulated anatomic abutment, premolar type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

MATERIAL

Titanium Grade 5

Wide platform

Each abutment set includes:

**PRODUCT CODE**

**INTERNAL HEX**

2.5

Prosthetic screw in each set.

Angulated anatomic abutment, premolar type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.

MATERIAL

Titanium Grade 5
**ANGULATED ABUTMENTS MOLAR TYPE 15° / 25°**

### Standard platform

**MATERIAL** Titanium Grade 5

<table>
<thead>
<tr>
<th>WIDTH 1</th>
<th>WIDTH 2</th>
<th>LENGTH</th>
<th>LENGTH 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 mm</td>
<td>6.0 mm</td>
<td>9.6 mm</td>
<td>2.7 mm</td>
</tr>
<tr>
<td>6.0 mm</td>
<td>7.0 mm</td>
<td>11.45 mm</td>
<td>4.5 mm</td>
</tr>
</tbody>
</table>

Angulated anatomic abutment, molar type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For standard platform (2.1 mm). Prosthetic screw in each set.

### Wide platform

**MATERIAL** Titanium Grade 5

<table>
<thead>
<tr>
<th>WIDTH 1</th>
<th>WIDTH 2</th>
<th>LENGTH</th>
<th>LENGTH 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 mm</td>
<td>6.0 mm</td>
<td>10.0 mm</td>
<td>3.10 mm</td>
</tr>
<tr>
<td>6.0 mm</td>
<td>7.0 mm</td>
<td>11.85 mm</td>
<td>5.0 mm</td>
</tr>
</tbody>
</table>

Angulated anatomic abutment, molar type is recommended in case when the implants are installed at 15° or 25° angle. It is installed using universal or hand prosthetic insertion driver. For wide platform (2.5 mm). Prosthetic screw in each set.

---

Each abutment set includes:

- **INTERNAL HEX**
  - **2.1**
  - **2.5**

**PRODUCT CODE**

- **EAMS 15**
- **EAMS 25**
- **EAMB 15**
- **EAMB 25**
Bio3 SURGICAL KIT

For a quick and easy dental surgery

Bio3 Implants Surgical Kit is packed in carton box.

Bio3 surgical kit is designed for a quick and easy installation of implants of two types.

All instruments in the kit are made of surgical steel.

NOTE: Our drill 2.8 and stoppers 2.0 - 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.
# COMPONENTS OF THE SURGICAL KIT

## SURGICAL DRILLS
The conical surgical drills without internal cooling of various diameters with diamond type coating for bone cavity formation.

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>TCB</th>
<th>TCS</th>
<th>TC5</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>1.5</td>
<td>2.0</td>
<td>2.8</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>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>8</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 adapter
5. Adapter-implant drivers for range ratchet

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>P3.3</th>
<th>P3.8</th>
<th>P4.2</th>
<th>P5.0</th>
<th>ED</th>
<th>PPL</th>
<th>PPL2.8</th>
<th>IT5.9</th>
<th>ITB9</th>
<th>IT5T8</th>
<th>ITB18</th>
<th>AD</th>
</tr>
</thead>
</table>

## INSTRUMENTS
6. Universal screwdriver for screws 9 mm and 18 mm for prosthetic screws, abutments, healing caps and implant plugs
7. Implant drivers 9 mm and 18 mm
8. Depth gauge
9. Range ratchet
10. Torque wrench adaptor, force 10/45H

*Option is not included in the set.

**NOTE:** Our drill 2.8 and stoppers 2.0 - 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.
Bio3 GUIDE SURGICAL KIT
COMPONENTS OF THE SURGICAL GUIDE KIT

DRILLS

PRODUCT CODE
DG-1.9 L8
DG-2.8 L10
DG-3.2 L10,5
DG-3.65 L13
DG-4.0 L13
DG-4.0 L10
DG-4.0 L10,5
DG-4.0 L13
DG-4.5 L13
DG-4.5 L10
DG-4.5 L10,5
DG-4.5 L13
DG-1.9 L11.5
DG-2.8 L11.5
DG-3.2 L11.5
DG-3.65 L11.5
DG-3.65 L13
DG-4.0 L11.5
DG-4.5 L11.5
DG-1.9 L13
DG-2.8 L13
DG-3.2 L13
DG-3.65 L13
DG-4.0 L13
DG-4.5 L13

MOUNTER PLATFORM

MOUNT DRIVERS

RATCHET ADAPTOR

TISSUE PUNCH

UNIVERSAL SCREWDRIVER
FOR SCREWS
9 mm and 18 mm
INSTRUMENTS

Drill Guide D5 mm, h3.5
Drill Guide D5 mm
Guide Bush D2.0 mm
for Surgical Guide Pilot drilling only

Retrieval screw
Depth gauge
Range ratchet
Torque wrench adaptor, force 10/45H

IMPLANT DRIVERS

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
<th>WIDE PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>LENGTH</td>
</tr>
<tr>
<td>2.1 mm</td>
<td>9 mm</td>
</tr>
<tr>
<td>2.1 mm</td>
<td>18 mm</td>
</tr>
<tr>
<td>2.5 mm</td>
<td>9 mm</td>
</tr>
<tr>
<td>2.5 mm</td>
<td>18 mm</td>
</tr>
</tbody>
</table>

IMPLANT DRIVER ADAPTERS

<table>
<thead>
<tr>
<th>STANDARD PLATFORM</th>
<th>WIDE PLATFORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>LENGTH</td>
</tr>
<tr>
<td>2.1 mm</td>
<td>9 mm</td>
</tr>
<tr>
<td>2.1 mm</td>
<td>18 mm</td>
</tr>
<tr>
<td>2.5 mm</td>
<td>9 mm</td>
</tr>
<tr>
<td>2.5 mm</td>
<td>18 mm</td>
</tr>
</tbody>
</table>

ADAPTER-IMPLANT DRIVER

Adapter-implant driver for range ratchet

Depth gauge
GBDP
Retrieval screw
RS
Range ratchet
HR
Torque wrench adaptor, force 10/45H
SK10/45

Implant driver of a various length – 9 mm and 18 mm for range ratchet
Material: Surgical steel

It is used for implant installation with handpiece – 9 mm and 18 mm
Material: Surgical steel
SToppers for Pilot Drills

Stoppers for cylinder pilot drills, diameter 2.0 and 2.8 mm

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

Wrenches for Suprastructures

Universal wrench of various length, 9 mm and 18 mm for prosthetic screws, implant plugs and other accessories.

Note: Our drill 2.8 and stoppers 2.0 - 2.8 change color and go from red to black. During the transition period, we will deliver the red and black products to you, up to complete modification of the range.

Surgical Tapered Drills

Diamond-like coating

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 for conical shape bone cavity formation when bone cavity shape ideally follows implant body shape.
### BONE TAPS FOR Bio3 PROGRESSIVE IMPLANTS

**Bio3 Progressive**

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

Bone taps for Progressive implants.
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>DIAMETER</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS3.3</td>
<td>3.3 mm</td>
<td>13 mm</td>
</tr>
<tr>
<td>TS3.8</td>
<td>3.8 mm</td>
<td>13 mm</td>
</tr>
<tr>
<td>TS4.2</td>
<td>4.2 mm</td>
<td>13 mm</td>
</tr>
<tr>
<td>TS5.0</td>
<td>5.0 mm</td>
<td>13 mm</td>
</tr>
</tbody>
</table>

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

**MATERIAL** Surgical steel
SPECIAL PROPOSAL
FOR DOCTOR Bio3 BONE, Bio3 PENGUIN
FOR PATIENT Bio3 VITAMIN, Bio3 IMPLANT CARE FOAM
**MATERIAL FOR BONE REGENERATION**

**Bio3 BONE**

**Special proposal**

**NATURAL OSTEOPLASTIC MATERIAL MADE OF HIGHLY PURIFIED BULL BONE**

**Bio3 BONE 500-1000** – possesses osteogenic properties and high biological compatibility with strongly marked hydrophilic properties. Due to a three-dimensional porous structure of hydroxiapatite of biological origin (of trabecular and diaphysial tubular bone parts) it promotes angiogenesis, bone marrow stem cell migration as well as fast penetration of blood proteins into micropores which, in their turn, are temporary reservoirs for proteins assembly that precipitate their growth.

The natural osteoplastic material is made of highly purified bull bone.

**Bio3 BONE** is a safe, according to BSE, transplantation material from Germany which has no cell elements and protein at all. For Bio3 BONE production a technology of gradual multi-level cleaning of spongy and cortical bone tissue CTS is used together with high-temperature processing method. These production processes permit to remove all organic components from the material and exclude any potential immune reactions onset.

<table>
<thead>
<tr>
<th>BULL BONE</th>
<th>SYNTHESES BONE GRAFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBL05. Bio3 Bone 500-1000 0.5</td>
<td>BB51005 Bio3 Bone Beta 500-1000 0.5</td>
</tr>
<tr>
<td>DBL10 Bio3 Bone 500-1000 1.0</td>
<td>BB51010 Bio3 Bone Beta 500-1000 1.0</td>
</tr>
<tr>
<td>DBL20 Bio3 Bone 500-1000 2.0</td>
<td>BB51020 Bio3 Bone Beta 500-1000 2.0</td>
</tr>
<tr>
<td>DBL50 Bio3 Bone 500-1000 5.0</td>
<td>BB51050 Bio3 Bone Beta 500-1000 5.0</td>
</tr>
</tbody>
</table>

**IS A SYNTHETIC BONE GRAFT SUBSTITUTE WITH IMPROVED RESORBABILITY (SYNTHESES BONE GRAFT)**

**Bio3 BETA BONE 500-1000** – it is a safe and secure material. Beta Bone homogeneous structure helps to form new bone tissue and ensures its long-term mechanical stability.

High osteoconductivity of Bio3 Beta Bone is achieved due to high porosity (80%) with a pore size of 200 to 800 µm and their interconnected structure. The high microporosity of Bio3 Beta Bone is an ideal framework for accelerating the growth of osteogenic cells and it optimally promotes the regeneration of bone tissue. This material is not less effective than materials derived from bovine bone. It is easy to use and it has good resorbability, retains volume and mechanical stability. Resorption process and material integration has 2 phases: during 3-6 months there is beta-tricalcium phosphate regeneration, and then hydroxyapatite integration.

**Bio3 Bone 500-1000** possesses osteogenic properties and high biological compatibility with strongly marked hydrophilic properties. Due to a three-dimensional porous structure of hydroxiapatite of biological origin (of trabecular and diaphysial tubular bone parts) it promotes angiogenesis, bone marrow stem cell migration as well as fast penetration of blood proteins into micropores which, in their turn, are temporary reservoirs for proteins assembly that precipitate their growth.

The natural osteoplastic material is made of highly purified bull bone.

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<tr>
<td>DBL10 Bio3 Bone 500-1000 1.0</td>
<td>BB51010 Bio3 Bone Beta 500-1000 1.0</td>
</tr>
<tr>
<td>DBL20 Bio3 Bone 500-1000 2.0</td>
<td>BB51020 Bio3 Bone Beta 500-1000 2.0</td>
</tr>
<tr>
<td>DBL50 Bio3 Bone 500-1000 5.0</td>
<td>BB51050 Bio3 Bone Beta 500-1000 5.0</td>
</tr>
</tbody>
</table>
PenguinRFA – Removes Doubt

In today’s implant dentistry, the trend is to use short or no healing periods before loading. This places high demands on the clinical team. 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 when to load.

The RFA Technique

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

Monitor Osseointegration

- Reduce treatment time
- Manage risk patients
- For immediate and postponed loading

The ISQ scale is measured from 1 to 99 and correlates strongly to implant micro mobility. By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.
ивет
SPECIAL PROPOSAL FOR PATIENT
Bio3 VITAMIN COMPLEX

New and unique product by Bio3 Implants is a specially developed vitamin complex for better osseointegration.

Pre Implant Complex. Power for oral solution.
Source of calcium, phosphorus, zinc, magnesium, copper, and vitamins K2 and D in optimal for uptake ratio. Calcium and phosphorus are two main microelements, which are responsible for mineralization, integrity, and density of bones and teeth. Magnesium takes part in metabolism of bone tissue, prevents from bone demineralization, and suppresses calcium deposit on the walls of blood vessels, heart valves, muscles, urinary tracts. Zinc is a cofactor of more than 200 enzymes and it acts upon the process of bone tissue remodelling. Copper takes part in building of the most important proteins of conjunctive tissue – collagen and elastin, which create a matrix of bone and cartilaginous tissue. Manganese normalizes synthesis of glycosaminoglycans, which are essential for formation of the bone and cartilaginous tissue. Vitamin D3 facilitates normal calcium uptake by organism and strengthening of muscle and bone tissues. Vitamin K2 plays an important role in the process of building of bones. Therefore, this complex of minerals and vitamins has a formulation that is similar to formulation of human bone tissue. Due to specially designed and balanced formulation it ensures fast osseointegration and bone tissue restoration after dental implantation.

Regenera Complex. Capsules.
Source of collagen, glucosamine, propolis, chondroitin, hyaluronic acid and proline. It is a balanced combination of propolis and main components of organic matrix of bone tissue. Approximately 90% of organic matrix accounts for collagen. Along with mineral components collagen is the main factor determining mechanical properties of the bone. Distinction of bone tissue collagen is a large content of amino acid proline. In addition, the organic matrix contains glycosaminoglycans, chondroitin sulfate and hyaluronic acid. Such combination may be used to boost the immunity, for infection prophylaxis and improvement of wound healing process after dental implantation.

Post Implant Complex. Capsules.
Source of collagen, glucosamine, chondroitin, hyaluronic acid and proline. It is a complex of natural ingredients, which constitute the organic matrix of bone tissue in optimal ratio: collagen / glycosaminoglycans. Approximately 90% of organic matrix accounts for collagen. Along with mineral components collagen is a main factor determining mechanical properties of the bone. Distinction of bone tissue collagen is a large content of amino acid proline. In addition the organic matrix contains glycosaminoglycans, chondroitin sulfate and hyaluronic acid. Complex facilitates fast bone tissue restoration, it stimulates osseointegration process and improves short-term and long-term results of dental implantation.
Bio3 IMPLANT CARE FOAM

Bio3 Implants is a German globally known company that produces Premium class dental implants, as well as products for oral care after the implantation for our patients.

Bio3 Implants Research Institute is continuously working on new developments to offer our patients the best products and services in the field of dental implantology. For two years our experts have been conducting researches and as a result created a unique product for oral care after implantation – Bio3 IMPLANT CARE FOAM.

Recognized Bio3 IMPLANT CARE FOAM as the best care product in the world and strongly recommends it to the patients. The unique formula of Bio3 IMPLANT CARE FOAM accelerates gingival healing process, reduces the risk of edema and supports oral health after surgical implantation.

Studies have shown that in contrast to the use of other solutions, the use of Bio3 IMPLANT CARE FOAM during the first days after implantation shortens the bone-implant healing and prevents complications in the postoperative period. We do care about our patients’ health and always offer only qualitative implants and care products for it.