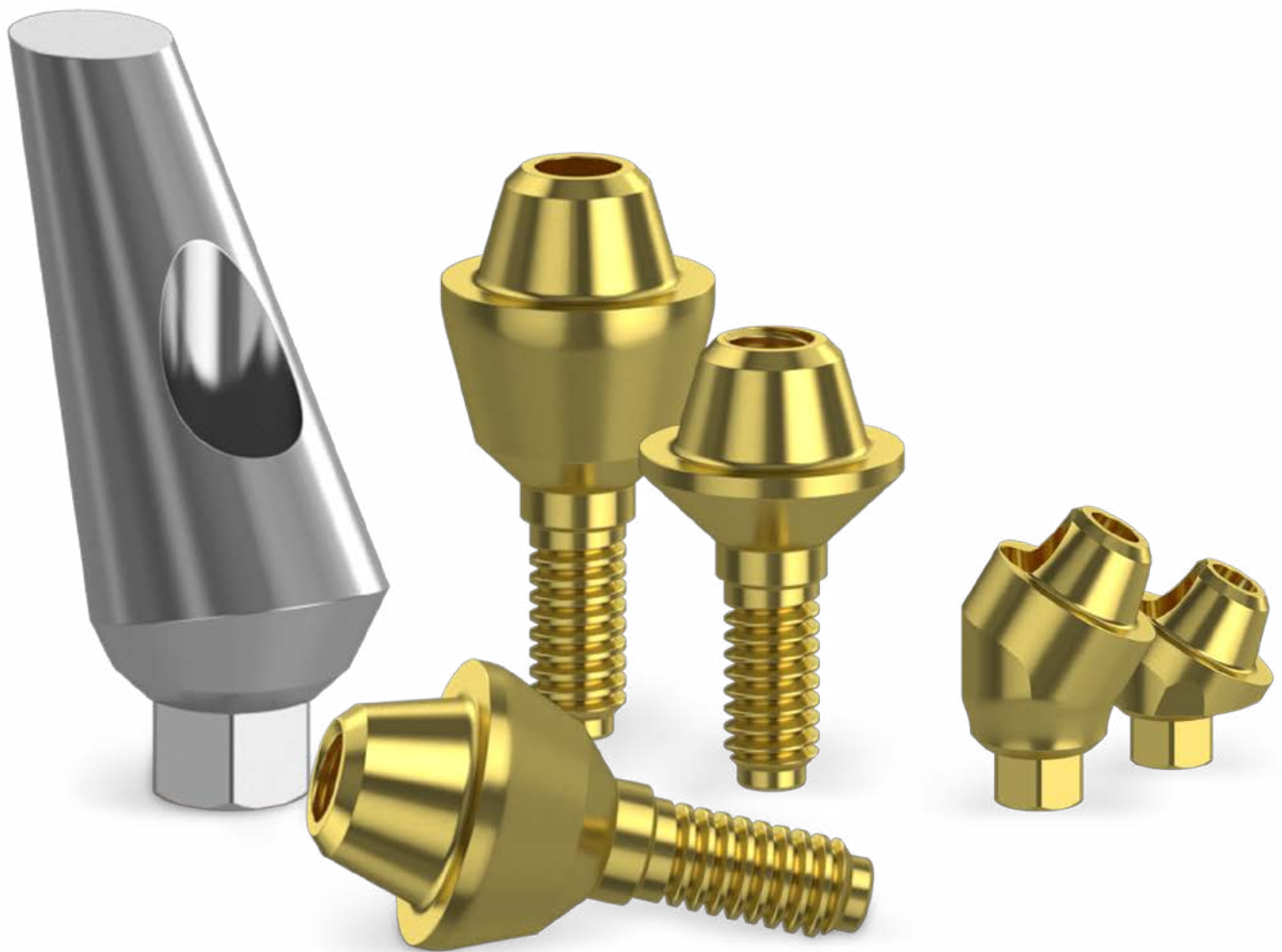


INTERNAL HEX PROSTHETICS



Internal Hex | Prosthetics

Biotec offers a wide range of easy-to-use and esthetic restorations and prosthetics for almost any clinical need. The diameters of these prosthetics are interchangeable based on preference and need.



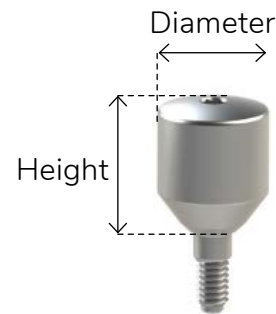
Internal Hex | **Prosthetics**

Healing Caps

Used for internal Hex 2.42mm implants.

Healing caps shape the soft tissue around the implant and prepare the site for the superstructure insertion. The healing cap is selected based on the thickness of the mucosa. In addition, wide healing caps are used for soft-tissue contouring of molars and premolars.

We recommend hand-tightening using a 1,25mm hex. driver or a motor unit with a force of 10 Ncm.



Material Titanium Alloy - Ti 6Al 4V ELI

Material Titanium Alloy - Ti 6Al 4V ELI

Diameter Ø 3.8 mm Narrow

| | Height | Catalog Number |
|---|--------|----------------|
|  | 2 mm | Bio-HC3802 |
|  | 3 mm | Bio-HC3803 |
|  | 4 mm | Bio-HC3804 |
|  | 5 mm | Bio-HC3805 |
|  | 6 mm | Bio-HC3806 |
|  | 7 mm | Bio-HC3807 |

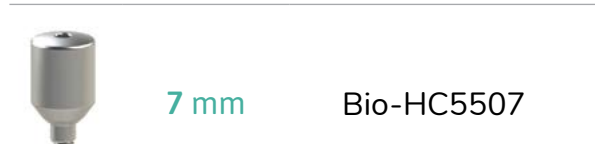
Diameter Ø 4.6 mm

| | Height | Catalog Number |
|---|--------|----------------|
|  | 2 mm | Bio-HC4602 |
|  | 3 mm | Bio-HC4603 |
|  | 4 mm | Bio-HC4604 |
|  | 5 mm | Bio-HC4605 |
|  | 6 mm | Bio-HC4606 |
|  | 7 mm | Bio-HC4607 |

Internal Hex | **Prosthetics**

Diameter Ø 5.5 mm

| | Height | Catalog Number |
|--|--------|----------------|
|--|--------|----------------|



Diameter Ø 6.3 mm

| | Height | Catalog Number |
|--|--------|----------------|
|--|--------|----------------|

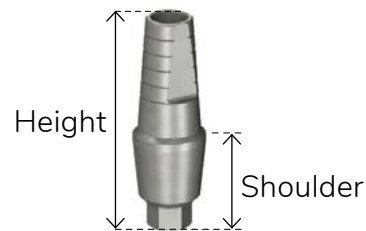


Internal Hex | **Prosthetics**

Straight Abutments

Our wide variety of straight abutments remain stable even when their wall thickness is reduced to 0.1 mm. They are suitable for use in multiple scenarios, for example, single crowns, bridges and the fabrication of cement-retained restorations, single crowns and bridges.



We recommend tightening the screw at a torque between 25 and 30 Ncm






Material Titanium Alloy - Ti 6Al 4V ELI

Material Titanium Alloy - Ti 6Al 4V ELI



Straight

| | Height | Catalog Number |
|---|--------|----------------|
|  | 9 mm | Bio-SA5909 |
|  | 11 mm | Bio-SA5911 |

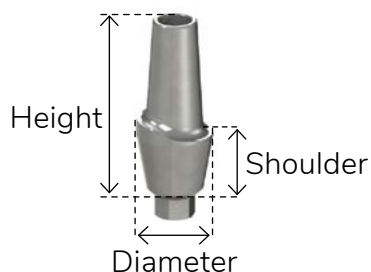
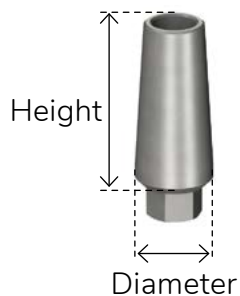
Straight Shoulder

| | Height | Shoulder | Catalog Number |
|---|---------|----------|----------------|
|  | 8.5 mm | 1 mm | Bio-SH4801 |
|  | 9.5 mm | 2 mm | Bio-SH4802 |
|  | 10.5 mm | 3 mm | Bio-SH4803 |
|  | 11.5 mm | 4 mm | Bio-SH4804 |




Shoulder Catalog Number

| | | | |
|---|---------|--------|-------------|
|  | Hex | 1.7 mm | Bio-SHt5001 |
|  | Non-Hex | 1.7 mm | Bio-SHt5002 |


Internal Hex | **Prosthetics**



Straight Narrow

| Diameter Ø 3.8 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 6 mm | Bio-SN6006 |
|  | 8 mm | Bio-SN6008 |
|  | 10 mm | Bio-SN6010 |

Straight Shoulder

| Diameter Ø 5.2 mm | | | |
|---|--------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9 mm | 1 mm | Bio-SA4601 |
|  | 10 mm | 2 mm | Bio-SA4602 |
|  | 11 mm | 3 mm | Bio-SA4603 |
|  | 12 mm | 4 mm | Bio-SA4604 |



Included with all abutments
or available separately

Catalog Number Bio-8324

Internal Hex | **Prosthetics**

Angulated Abutments

Angulated abutments are used when a change to the axis of the implant is required, and normally for constructing cement-retained single crowns or bridges. They are available with 15°, 25°, 35° and 45° angles.

We recommend tightening the screw at a torque between 25 and 30 Ncm.


Material Titanium Alloy - Ti 6Al 4V ELI

Material Titanium Alloy - Ti 6Al 4V ELI



Angular Standard

| Angulated 15° Ø 4.5 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 7 mm | Bio-ASA3207 |
|  | 9 mm | Bio-ASA3209 |
|  | 11 mm | Bio-ASA3211 |

Angular Standard Narrow

| Angulated 15° Ø 3.9 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 9 mm | Bio-ASN3609 |

Angular Anatomic

| Angulated 15° Ø 5.4 mm | | | |
|---|---------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9.5 mm | 1 mm | Bio-AA2401 |
|  | 10.5 mm | 2 mm | Bio-AA2402 |
|  | 11.5 mm | 3 mm | Bio-AA2403 |
|  | 12.5 mm | 4 mm | Bio-AA2404 |



Included with all abutments
or available separately

Catalog Number Bio-8324

Internal Hex | Prosthetics


Angular Standard


| Angulated 25° Ø 4.5 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 7 mm | Bio-AS3407 |
|  | 9 mm | Bio-AS3409 |
|  | 11 mm | Bio-AS3411 |


Angular Anatomic

| Angulated 25° Ø 5.4 mm | | | |
|--|---------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9.5 mm | 1 mm | Bio-AA2601 |
|  | 10.5 mm | 2 mm | Bio-AA2602 |
|  | 11.5 mm | 3 mm | Bio-AA2603 |
|  | 12.5 mm | 4 mm | Bio-AA2604 |

Angular Standard Narrow

| Angulated 25° Ø 4.0 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 9 mm | Bio-ASN3609 |

| Angulated 35° | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 9 mm | Bio-AS3509 |

| Angulated 45° | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 9 mm | Bio-AS4509 |

Internal Hex | **Prosthetics**

Temporary PEEK Abutments

Temporary abutments are made from Polyetheretherketone (PEEK), which is a high-grade thermoplastic polymer certified for medical use and is well suited for use in the oral cavity.




PEEK offers a superior combination mechanical properties such as stiffness and strength, elasticity and resilience; is one of the most chemically-resistant materials; is proven to be biocompatible for both hard and soft tissue; has low electrical conductivity; and has a natural color which is a major aesthetic advantage.

Material PEEK

Technical Data:

- Does not create artifacts in X-Ray irradiation procedures, magnetic resonance imaging (MRI) and computed tomography (CT)
- Can be sterilized without changing its mechanical properties or its biocompatibility
- Has high compressive strength
- Does not contain metal additives to prevent ion exchange in the mouth
- The abutment closing torque is 15 Ncm




Straight Anatomic Peek

| | Height | Shoulder | Catalog Number |
|---|--------|----------|----------------|
|  | 9 mm | 1 mm | Bio-SAP6001 |
|  | 10 mm | 2 mm | Bio-SAP6002 |
|  | 11 mm | 3 mm | Bio-SAP6003 |




Internal Hex | **Prosthetics**

Angular Anatomic PEEK

Angulated 15°

| | Height | Shoulder | Catalog Number |
|---|---------|----------|----------------|
|  | 9.5 mm | 1 mm | Bio-AAP5001 |
|  | 10.5 mm | 2 mm | Bio-AAP5002 |
|  | 11.5 mm | 3 mm | Bio-AAP5003 |

Angulated 25°

| | Height | Shoulder | Catalog Number |
|---|---------|----------|----------------|
|  | 9.5 mm | 1 mm | Bio-AAP5201 |
|  | 10.5 mm | 2 mm | Bio-AAP5202 |
|  | 11.5 mm | 3 mm | Bio-AAP52031 |



**Included with all
abutments or
available separately**

Catalog Number
Bio-8324

Internal Hex | **Prosthetics**

Full Zirconia Abutments

The zirconia abutment is an alternative esthetic. They are available as fully-cast zirconia material to traditional titanium with a range of shapes and sizes.

*anatomical design minimizes the need for abutment customization.

Straight Anatomic Zirconia

Ø 3.75 mm

Height Shoulder Catalog Number



8.5 mm 0.5 mm Bio-ZSA4500



9 mm 1 mm Bio-ZSA4501



10 mm 2 mm Bio-ZSA4502



11 mm 3 mm Bio-ZSA4503

Standard Narrow, Straight Zirconia

Ø 3.75 mm


Height Shoulder Catalog Number







8.5 mm 0.5 mm Bio-ZSA4500

Internal Hex | **Prosthetics**





Angular Standard Narrow, Angle 15° Zirconia

| Diameter Ø 3.75 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 9 mm | Bio-ZSN3609 |

Angular Anatomic, Angle 15° Zirconia

| Diameter Ø 3.75 mm | | | |
|---|---------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9.5 mm | 0.5 mm | Bio-ZAA2300 |
|  | 9.5 mm | 1 mm | Bio-ZAA2401 |
|  | 10.5 mm | 2 mm | Bio-ZAA2402 |
|  | 11.5 mm | 3 mm | Bio-ZAA2403 |

Angular Anatomic, Angle 25° Zirconia

| Diameter Ø 3.75 mm | | | |
|---|---------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9.5 mm | 0.5 mm | Bio-ZAA2500 |
|  | 9.5 mm | 1 mm | Bio-ZAA2601 |
|  | 10.5 mm | 2 mm | Bio-ZAA2602 |
|  | 11.5 mm | 3 mm | Bio-ZAA2603 |

Internal Hex | **Prosthetics**

Titanium-base Zirconia Abutments

The zirconia abutment is an alternative esthetic abutment. They are available as fully-cast zirconia material with a range of shapes and sizes.

Material Zirconium

Straight, Titanium Base

Diameter Ø 3.75 mm

Height Shoulder Catalog Number

9 mm 1 mm Bio-ZT1101



10 mm 2 mm Bio-ZT1102

11 mm 3 mm Bio-ZT1103

Angular, Angle 15°, Titanium Base

Diameter Ø 3.8 mm

Height Shoulder Catalog Number

9.5 mm 1 mm Bio-ZT1501



10.5 mm 2 mm Bio-ZT1502

11.5 mm 3 mm Bio-ZT1503

Internal Hex | **Prosthetics**

Angular, Angle 25°, Titanium Base

Diameter Ø 3.8 mm

Height **Shoulder** **Catalog Number**

9.5 mm 1 mm Bio-ZT2501

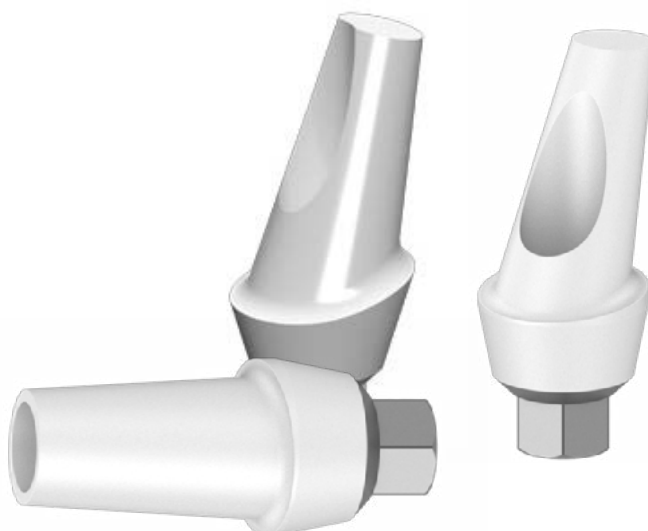
10.5 mm 2 mm Bio-ZT2502

11.5 mm 3 mm Bio-ZT2503



**Included with all
abutments or
available separately**

Catalog Number
Bio-8324



Internal Hex | Prosthetics




Plastic Abutments

Plastic castable abutments on titanium bases are suitable for use by technicians for simple casting of custom-made abutments for constructing the prosthetic restoration.



These abutments enable the dental lab to cast on an accurate titanium base. The machined titanium base offers an accurate fit for the implant.

Material Delrin

Straight Anatomic Plastic



| | Height | Shoulder | Catalog Number |
|---|--------|----------|----------------|
|  | 9 mm | 1 mm | Bio-PSA4001 |
|  | 10 mm | 2 mm | Bio-PSA4002 |
|  | 11 mm | 3 mm | Bio-PSA4003 |

Plastic for Casting




| | | Catalog Number |
|---|---------|----------------|
|  | Hex | Bio-PL1002 |
|  | Non-Hex | Bio-PL1001 |

Internal Hex | **Prosthetics**




Anatomic

| Angulated 15° | | | |
|---|--------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9 mm | 1 mm | Bio-AAP3001 |
|  | 10 mm | 2 mm | Bio-AAP3002 |
|  | 11 mm | 3 mm | Bio-AAP3003 |

Anatomic

| Angulated 25° | | | |
|---|--------|----------|----------------|
| | Height | Shoulder | Catalog Number |
|  | 9 mm | 1 mm | Bio-AAP3201 |
|  | 10 mm | 2 mm | Bio-AAP3202 |
|  | 11 mm | 3 mm | Bio-AAP3203 |

Plastic

| Abutment Lock | | |
|---|----------------|----------------|
| | | Catalog Number |
|  | Hex | Bio-PS2001 |
|  | Straight Round | Bio-PS20031 |
|  | Straight | Bio-PS2004 |



| | | |
|---|--|-----------------------------------|
|  | Included with all abutments or available separately | Catalog Number Bio-8324 |
|---|--|-----------------------------------|




Internal Hex | **Prosthetics**

Multi-Unit System




The multi-unit system is a solution for screw-retained prostheses, also on complicated-to-restore implants such as multiple-tilted implants. It comprises a full range of sizes for both the upper and lower jaws: straight, 17°, 30°, 45°, 52°, and 60° adaptors. It also includes a variety of heights and connects to a wide range of complementary products.

Material Titanium Alloy (Ti6Al4V ELI)




Straight Multi Unit

| | Height | Catalog Number |
|---|--------|----------------|
|  | 1 mm | Bio-M0101 |
|  | 2 mm | Bio-M0102 |
|  | 3 mm | Bio-M0103 |

Angulated Multi Unit 30 mm

| | Height | Catalog Number |
|---|--------|----------------|
|  | 1 mm | Bio-MU1801 |
|  | 2 mm | Bio-MU1802 |
|  | 3 mm | Bio-MU1803 |









Angulated Multi Unit 18 mm

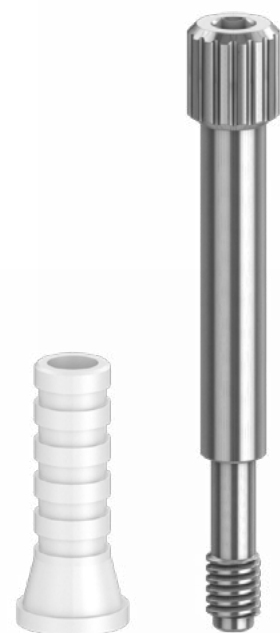
| | Height | Catalog Number |
|---|--------|----------------|
|  | 1 mm | Bio-AMU3001 |
|  | 2 mm | Bio-AMU3002 |
|  | 3 mm | Bio-AMU3003 |



Internal Hex | **Prosthetics**

Multi-Unit Components

| | Product Description | Catalog Number |
|---|-------------------------|----------------|
|  | Healing Cap | Bio-MOHC1 |
|  | Short titanium sleeve | Bio-MTIOS |
|  | Screw for open transfer | Bio-OC2418 |
|  | Analog | Bio-MOAN1 |
|  | Screw Abutment | Bio-MOSC1 |
|  | Plastic Sleeve | Bio-MPLO1 |
|  | Titanium Sleeve | Bio-MTIO1 |
|  | Open Transfer | Bio-MOTR2 |



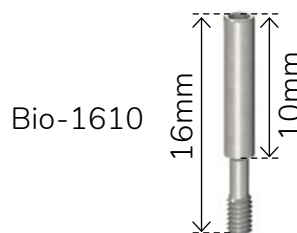
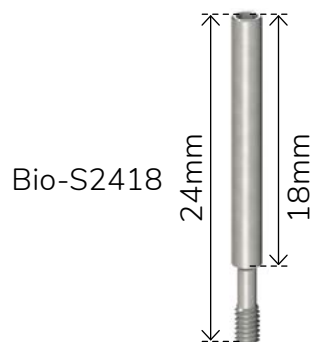
Internal Hex | Prosthetics

Open & Closed Tray Transfers





For all implant type diameters (Ø3.3, Ø3.75, Ø4.2, Ø5.0, Ø6.0 mm)

Tray transfers are designed for impressions using the open-tray technique when the retentions are sharp, and for the closed-tray technique when they are round.




Material Body - Stainless Steel; Screws - Titanium

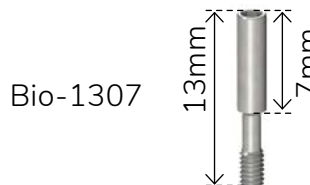


Stainless Steel - Open Tray

| Diameter Ø 4.75 mm | | |
|---|----------------|-------------|
| Height | Catalog Number | |
|  | 8 mm | Bio-SSO4008 |
|  | 12 mm | Bio-SSO4012 |
| Diameter Ø 4.5 mm | | |
| Height | Catalog Number | |
|  | 8 mm | Bio-SSO4202 |
| Diameter Ø 4.3 mm | | |
| Height | Catalog Number | |
|  | 12 mm | Bio-SSO4201 |

Stainless Steel - Closed Tray

| Diameter Ø 3.85 mm | | |
|---|----------------|-------------|
| Height | Catalog Number | |
|  | 12 mm | Bio-SSC3507 |
| Diameter Ø 4.5 mm | | |
| Height | Catalog Number | |
|  | 12 mm | Bio-SSC3511 |
| Diameter Ø 4.75 mm | | |
| Height | Catalog Number | |
|  | 8 mm | Bio-SSC3601 |






Internal Hex | **Prosthetics**

Transfers with Plastic



The transfer with plastic is designed for impressions using the closed-tray technique with the plastic cap. The cap remains in the impression tray after it is removed from the mouth. This type of transfer can also be used as an esthetic abutment.

Material Titanium Alloy (Ti6Al4V ELI)

Transfer Abutment

| | Height | Catalog Number |
|---|--------|----------------|
|  | 2 mm | Bio-TA3802 |
|  | 3 mm | Bio-TA3803 |
|  | 4 mm | Bio-TA3804 |

Plastic for Closed Tray

| Diameter Ø 4.75 mm | | |
|---|--------|----------------|
| | Height | Catalog Number |
|  | 7 mm | Bio-PT4401 |
|  | 10 mm | Bio-PT4402 |



Internal Hex | **Prosthetics**

Open & Closed Tray Transfers

The click-on connection transfer for impressions without a screw is especially effective with molars and premolars where there is a limited space and where it is challenging to work with a driver. It has a hexagonal lock to ensure a tight fit and can be used for all types of impressions as its lack of screws helps save time.



Material Stainless Steel

Stainless Steel - Closed Tray

Diameter Ø 4.7 mm

Height **Catalog Number**



9 mm

Bio-CT3409



13 mm

Bio-CT3413

Implant Analog

Implant Analogs (IAs) can be used for all implant diameters (Ø3.3, Ø3.75, Ø4.2, Ø5.0, Ø6.0 mm).

We recommend using lab analogs with identical dimensions (for example IA5 and IA6) for Ø5.0 mm or Ø6.0 mm implants to ensure the best rendering of the clinical situation.



Analog, Stainless Steel

Diameter Ø 4.0 mm

Height **Catalog Number**



12.7 mm

Bio-AN6004

Analog, Stainless Steel

Diameter Ø 5.0 mm

Height **Catalog Number**



12.7 mm

Bio-AN6005

Internal Hex | **Prosthetics**






Locators

The locator attachment system is designed for use with full or partial dentures in mandible or maxilla.






The locator superstructure is used to secure a removal prosthesis. The attachment is used with a stainless steel cap and an intermediate Nylon insert.

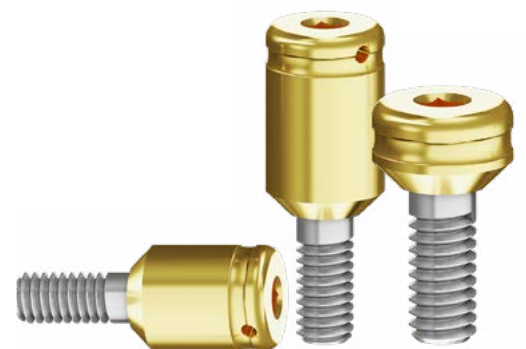
Material Titanium Alloy (Ti6Al4V ELI)

Locators

| | Height | Catalog Number |
|---|--------|----------------|
|  | 1 mm | Bio-PCA01 |
|  | 2 mm | Bio-PCA02 |
|  | 3 mm | Bio-PCA03 |
|  | 4 mm | Bio-PCA04 |
|  | 5 mm | Bio-PCA05 |

Components

| | Material | Catalog Number |
|---|----------------------|----------------|
|  | Metal | Bio-MT0004 |
|  | Silicon - Extra Soft | Bio-ES0005 |
|  | Silicon - Soft | Bio-SS0006 |
|  | Silicon - Standard | Bio-ST0007 |
|  | Laboratory | Bio-LA0008 |










Internal Hex | **Prosthetics**

Ball Attachment




The ball attachment superstructure is used to secure a removal prosthesis. This attachment is used together with a stainless steel cap and an intermediate Nylon insert.

Material Titanium Alloy (Ti6Al4V ELI)



Straight

| | Height | Catalog Number |
|---|--------|----------------|
|  | 0.5 mm | Bio-BA12005 |
|  | 1 mm | Bio-BA1201 |
|  | 2 mm | Bio-BA1202 |
|  | 3 mm | Bio-BA1203 |
|  | 4 mm | Bio-BA1204 |
|  | 5 mm | Bio-BA1205 |
|  | 6 mm | Bio-BA1206 |

Angulated 15°

| | Height | Catalog Number |
|---|--------|----------------|
|  | 1 mm | Bio-BA1501 |
|  | 2 mm | Bio-BA1502 |
|  | 3 mm | Bio-BA1503 |





Angulated 25°

| | Height | Catalog Number |
|---|--------|----------------|
|  | 1 mm | Bio-BA2501 |
|  | 2 mm | Bio-BA2502 |


Internal Hex | **Prosthetics**

Internal Cap

for 2.5 mm Ball Attachment

| | Material | Catalog Number |
|---|------------------------------|----------------|
|  | Silicon Extra Soft | Bio-S3002 |
|  | Silicon Soft | Bio-S3003 |
|  | Silicon Standard | Bio-S3004 |
|  | Peek | Bio-S3005 |

Housing for Internal Cap

| | Material | Catalog Number |
|---|--------------|----------------|
|  | Metal | Bio-MC3001 |

Order with Silicon Cap





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