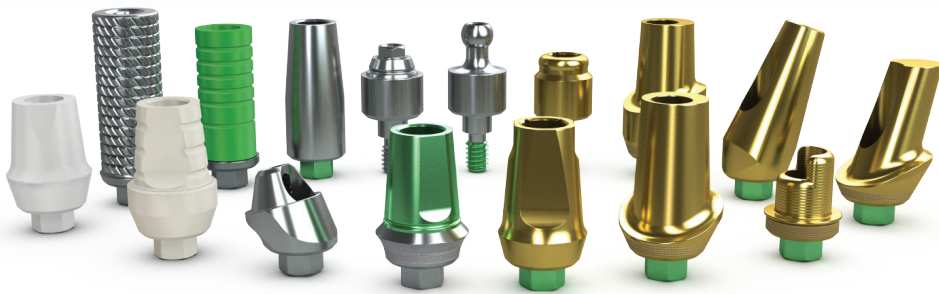


prosthetics catalog



for all BioHorizons conical internal hex implants

BIOHORIZONS[®]
SCIENCE • INNOVATION • SERVICE

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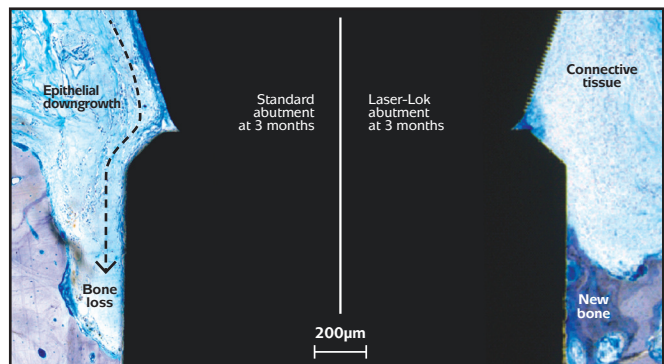
prosthetics

BioHorizons offers a broad array of abutments for a wide range of indications and patient conditions including the highly esthetic patient-specific abutments to the versatile 3inOne abutment. Our unique conical hex connection combined with the tightest machine tolerances in the industry create a biologic seal that minimizes the microgap issues seen with other systems. Abutment screw loosening is avoided by the Spirallock® thread design, the same design used in orthopedics and the aerospace industry. BioHorizons prosthetics and implants are conveniently color coded to indicate the size of the prosthetic platform: 3.0mm is gray, 3.5mm is yellow, 4.5mm is green and 5.7mm is blue.

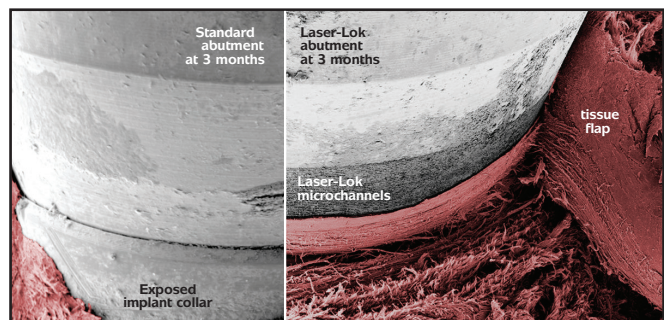
Laser-Lok® abutments

Latest discoveries

The establishment of a physical, connective tissue attachment to the Laser-Lok surface has generated an entirely new area of research and development: Laser-Lok applied to abutments. This could provide an opportunity to use Laser-Lok abutments to create a biologic seal and Laser-Lok implants to establish superior osseointegration¹ – a solution that offers the best of both worlds. In a recent study, Laser-Lok abutments and standard abutments were randomly placed on implants with a grit-blasted surface to evaluate the differences. In this study, a small band of Laser-Lok microchannels was shown to inhibit epithelial downgrowth and establish a connective tissue attachment similar to Laser-Lok implants.² In these cases, the connective tissue was attached to the abutment creating a biologic seal, even when the implants had a machined collar.² The resulting crestal bone levels were higher than what was seen with standard abutments. This provides some insight into the role soft tissue stability around the abutment and implant may play in maintaining crestal bone health.



Comparative histologies show the biologic differences between standard abutments and Laser-Lok abutments including changes in epithelial downgrowth, connective tissue and crestal bone health.²



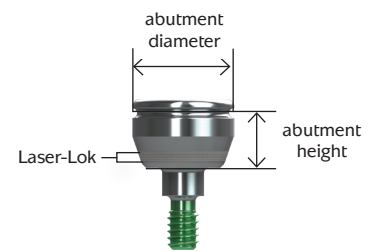
Comparative SEM images show the variation in tissue attachment strength on standard and Laser-Lok abutments when a tissue flap is incised vertically and manually lifted using forceps. (Courtesy of Myron Nevins, DDS)

LASER-LOK HEALING & TEMP ABUTMENTS

Laser-Lok restorations are intended to create a connective tissue seal around the abutment, protect the bone, and maintain esthetics over time. When planning a Laser-Lok restoration, Laser-Lok components should be used during the healing, temporization and final abutment phases. When a Laser-Lok component is removed and the biologic seal disrupted, use a new Laser-Lok component to establish the soft tissue connection again.

Laser-Lok Healing Abutments

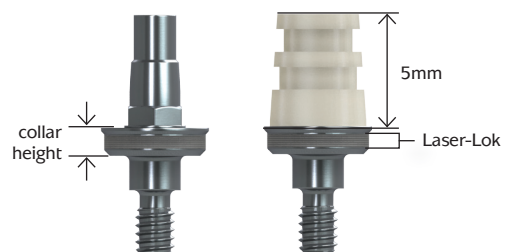
	abutment diameter	3mm height	5mm height
Narrow Emergence			
3.5mm platform, Laser-Lok	3.8mm	PYNHA3L	PYNHA5L
4.5mm platform, Laser-Lok	4.7mm	PGNHA3L	PGNHA5L
5.7mm platform, Laser-Lok	5.9mm	PBNHA3L	PBNHA5L
Regular Emergence			
3.0mm platform, Laser-Lok	3.5mm	TP3HA3L	TP3HA5L
3.5mm platform, Laser-Lok	4.5mm	PYRHA3L	PYRHA5L
4.5mm platform, Laser-Lok	5.5mm	PGRHA3L	PGRHA5L
5.7mm platform, Laser-Lok	6.6mm	PBRHA3L	PBRHA5L
Wide Emergence			
3.0mm platform, Laser-Lok	4.2mm	TP3WHA3L	TP3WHA5L
3.5mm platform, Laser-Lok	5.8mm	PYWHA3L	PYWHA5L
4.5mm platform, Laser-Lok	6.8mm	PGWHA3L	PGWHA5L



Use Laser-Lok healing abutments when a Laser-Lok abutment restoration is planned to inhibit epithelial downgrowth, establish a soft tissue seal and protect the bone. After removing a Laser-Lok healing abutment to make an impression, use a new Laser-Lok abutment (healing, temp or final) to establish the soft tissue connection again.

Laser-Lok Two-piece Custom Temporary Abutments

- TP3CTA1L* 3.0mm platform, 1mm collar height, Laser-Lok
- TP3CTA3L* 3.0mm platform, 3mm collar height, Laser-Lok
- PYCTA1L* 3.5mm platform, 1mm collar height, Laser-Lok
- PYCTA3L* 3.5mm platform, 3mm collar height, Laser-Lok
- PGCTA1L* 4.5mm platform, 1mm collar height, Laser-Lok
- PGCTA3L* 4.5mm platform, 3mm collar height, Laser-Lok



Two-piece Custom Temporary Abutments are offered with Laser-Lok microchannels on the collar to inhibit epithelial downgrowth and establish a biologic soft tissue seal around the abutment. Use to create an immediate temporary abutment that sculpts the soft tissue. Use included PEEK sleeve to support a temporary prosthesis. Final torque: 30Ncm.

* Call for availability

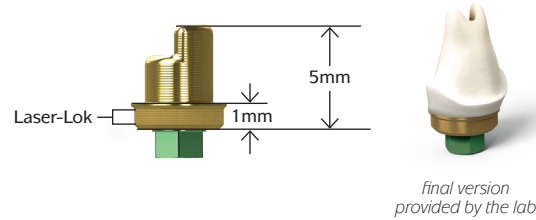
LASER-LOK PATIENT-SPECIFIC ABUTMENTS

Laser-Lok restorations are intended to create a connective tissue seal around the abutment, protect the bone, and maintain esthetics over time. When planning a Laser-Lok restoration, Laser-Lok components should be used during the healing, temporization and final abutment phases. When a Laser-Lok component is removed and the biologic seal disrupted, use a new Laser-Lok component to establish the soft tissue connection again.

Laser-Lok Titanium Base Abutments

- PYTBL** 3.5mm platform, Laser-Lok
- PGTBL** 4.5mm platform, Laser-Lok
- PBTBL** 5.7mm platform, Laser-Lok

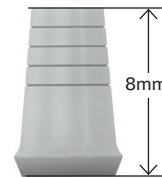
Use for anterior cases that require a durable, highly esthetic solution. Packaged with an abutment screw (PXAS). Titanium Alloy for strength. TiN coated for esthetics. Final torque: 30Ncm.



Waxing/Scanning Sleeves for Titanium Base Abutments

- PYTBWS** 3.5mm platform (pack of 3)
- PGTBWS** 4.5mm platform (pack of 3)
- PBTBWS** 5.7mm platform (pack of 3)

Use to create a wax-up or scan of Titanium Base Abutments. Packaged in packs of three. Polytetrafluoroethylene (PTFE).



Laser-Lok Protective Sleeves for Titanium Base Abutments

- PYTBLS** 3.5mm platform, Laser-Lok
- PGTBLS** 4.5mm platform, Laser-Lok
- PBTBLS** 5.7mm platform, Laser-Lok

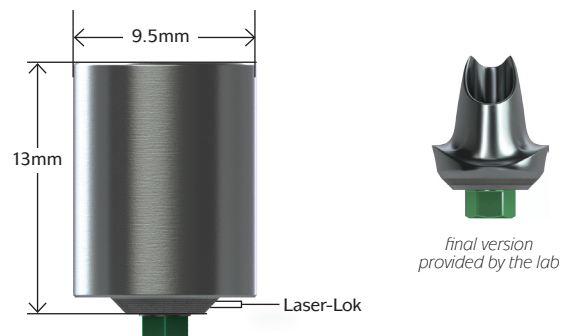
Use to protect the Laser-Lok zone of Titanium Base Abutments from possible contamination and damage during lab processing.



Laser-Lok Custom Ti Abutments

- PYBPAL** 3.5mm platform, Laser-Lok
- PGBPAL** 4.5mm platform, Laser-Lok
- PBBPAL** 5.7mm platform, Laser-Lok

Use to create patient-specific abutments for cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. Final torque: 30Ncm.

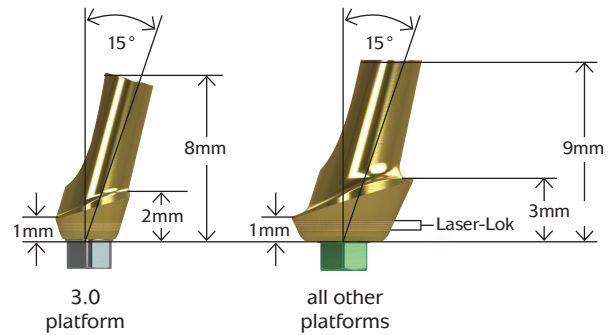


LASER-LOK ESTHETIC ABUTMENTS

Laser-Lok Angled Esthetic Abutments

TP3AEAL	3.0mm platform, Laser-Lok (Wide Emergence)
PYAEAL	3.5mm platform, Laser-Lok (Wide Emergence)
PGAEAL	4.5mm platform, Laser-Lok (Wide Emergence)
PBAEAL	5.7mm platform, Laser-Lok (Regular Emergence)

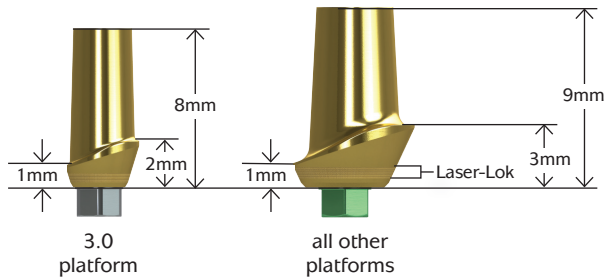
Use to create a cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



Laser-Lok Straight Esthetic Abutments

TP3SEAL	3.0mm platform, Laser-Lok (Wide Emergence)
PYSEAL	3.5mm platform, Laser-Lok (Wide Emergence)
PGSEAL	4.5mm platform, Laser-Lok (Wide Emergence)
PBSEAL	5.7mm platform, Laser-Lok (Regular Emergence)

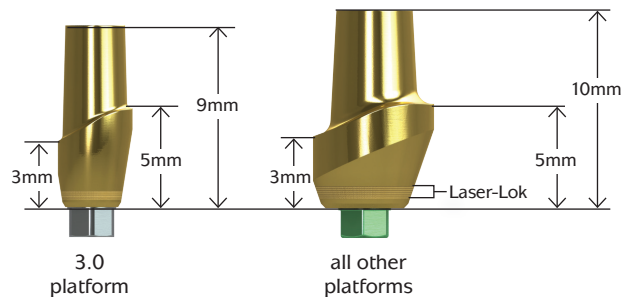
Use to create a cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



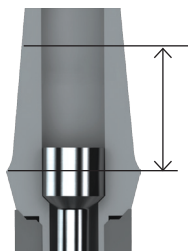
Laser-Lok Straight Esthetic Abutments (3mm buccal height)

TP3SEA3L	3.0mm platform, Laser-Lok (Wide Emergence)
PYSEA3L	3.5mm platform, Laser-Lok (Wide Emergence)
PGSEA3L	4.5mm platform, Laser-Lok (Wide Emergence)
PBSEA3L	5.7mm platform, Laser-Lok (Regular Emergence)

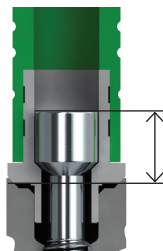
Use to create a cement-retained, single- or multiple-unit prostheses. Use 3mm buccal version when a deep gingival sulcus is present. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



Note



For cement-retained restorations, maintain at least 4mm of chimney height for optimal cement retention.

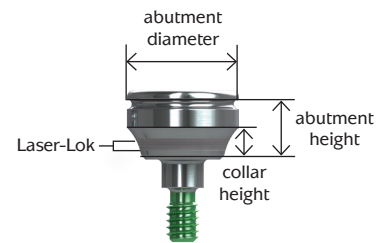


For screw-retained restorations, maintain at least 3mm from the abutment platform to avoid damaging the abutment screw.

LASER-LOK SIMPLE SOLUTIONS ABUTMENTS

Laser-Lok Simple Solutions Healing Abutments

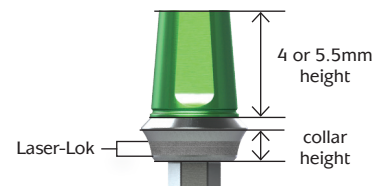
	abutment diameter	2mm height (0.8mm collar)	3mm height (1.8mm collar)	3.5mm height (2.8mm collar)
3.5mm platform, Laser-Lok	5.0mm	PYHA08L	PYHA18L	PYHA28L
4.5mm platform, Laser-Lok	6.0mm	PGHA08L	PGHA18L	PGHA28L
5.7mm platform, Laser-Lok	7.0mm	PBHA08L	PBHA18L	PBHA28L



Use Laser-Lok Simple Solutions healing abutments when a Simple Solutions abutment restoration is planned to inhibit epithelial downgrowth, establish a soft tissue seal and protect the bone. A Simple Solutions restoration avoids having to remove and replace the abutment to take an impression because the snap cap closed tray impression transfer connects to the final abutment. See L01017 or L02007 for more information.

Laser-Lok Simple Solutions Abutment Packs

	0.8mm collar	1.8mm collar	2.8mm collar
3.5mm platform, 4mm height	PY4008L	PY4018L	PY4028L
3.5mm platform, 5.5mm height	PY5508L	PY5518L	PY5528L
4.5mm platform, 4mm height	PG4008L	PG4018L	PG4028L
4.5mm platform, 5.5mm height	PG5508L	PG5518L	PG5528L
5.7mm platform, 4mm height	PB4008L	PB4018L	PB4028L
5.7mm platform, 5.5mm height	PB5508L	PB5518L	PB5528L



Designed primarily for posterior restorations when abutment modification is not required. Packaged with an abutment screw (PXAS) and Healing Cap that can serve as a temporary. Titanium Alloy. Final torque: 30Ncm.

Simple Solutions Restorative Packs

SYRP40	3.5mm platform, 4mm height
SYRP55	3.5mm platform, 5.5mm height
SGRP40	4.5mm platform, 4mm height
SGRP55	4.5mm platform, 5.5mm height
SBRP40	5.7mm platform, 4mm height
SBRP55	5.7mm platform, 5.5mm height



Conveniently includes the impression and lab components needed to restore a Simple Solutions abutment. Includes a snap cap impression transfer, one crown waxing sleeve, one bridge waxing sleeve and an implant/abutment replica for the working cast.

SIMPLE SOLUTIONS LAB COMPONENTS

Simple Solutions Replicas

SYR40	3.5mm platform, 4mm height
SYR55	3.5mm platform, 5.5mm height
SGR40	4.5mm platform, 4mm height
SGR55	4.5mm platform, 5.5mm height
SBR40	5.7mm platform, 4mm height
SBR55	5.7mm platform, 5.5mm height

Use in the lab to represent the implant and Simple Solutions abutment in the working cast. Select platform diameter and abutment height to match the abutment. Titanium Alloy. Included in Simple Solutions Restorative Packs but can also be ordered separately.



Simple Solutions Waxing Sleeves

SYPWSC	3.5mm platform, Crown (single unit)
SGPWSC	4.5mm platform, Crown (single unit)
SBPWSC	5.7mm platform, Crown (single unit)
SYPWSB	3.5mm platform, Bridge (multi-unit)
SGPWSB	4.5mm platform, Bridge (multi-unit)
SBPWSB	5.7mm platform, Bridge (multi-unit)

The Waxing Sleeve for Crown has internal anti-rotation flats to engage the abutment/replica flats. The Waxing Sleeve for Bridge has no anti-rotational feature and may only be used for multi-units. Order by platform diameter. Trim for height. Burn-out plastic. Included in Simple Solutions Restorative Packs but can also be ordered separately.



Simple Solutions Casting Reamers

SYCR	3.5mm platform
SGCR	4.5mm platform
SBCR	5.7mm platform

Use to remove the snap feature from metal castings fabricated with Simple Solutions Waxing Sleeves. Order by platform diameter.
Do not use on non-precious alloys.



Simple Solutions Replica Lab Tools

SYRLT	3.5mm platform
SGRLT	4.5mm platform
SBRLT	5.7mm platform

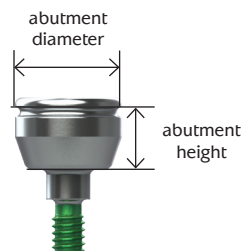
Use to create burn-out copings without use of the Waxing Sleeves. The double-ended tools (4.0mm / 5.5mm abutment height) mimic the geometry of Simple Solutions Replicas including the anti-rotation flats, but WITHOUT the retentive snap feature. Castings made from copings fabricated on the Replica Lab Tools do not require use of the Casting Reamers.



HEALING ABUTMENTS AND SUPPORT MATERIAL

Healing Abutments

	abutment diameter	1mm height	3mm height	5mm height
Narrow Emergence				
3.5mm platform	3.8mm	PYNHA1	PYNHA3	PYNHA5
4.5mm platform	4.7mm	PGNHA1	PGNHA3	PGNHA5
5.7mm platform	5.9mm	PBNHA1	PBNHA3	PBNHA5
Regular Emergence				
3.0mm platform	3.5mm	-	TP3HA3	TP3HA5
3.5mm platform	4.5mm	-	PYRHA3	PYRHA5
4.5mm platform	5.5mm	-	PGRHA3	PGRHA5
5.7mm platform	6.6mm	-	PBRHA3	PBRHA5
Wide Emergence				
3.0mm platform	4.2mm	-	TP3WHA3	TP3WHA5
3.5mm platform	5.8mm	-	PYWHA3	PYWHA5
4.5mm platform	6.8mm	-	PGWHA3	PGWHA5

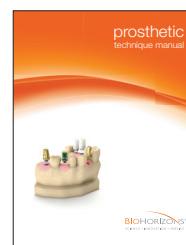


Hand-tighten with the .050" (1.25mm) Hex Driver. Titanium Alloy. Laser marked for easy intraoral identification; for example: GR3 = Green (4.5mm) platform / Regular Emergence / 3mm height.

3.0 healing abutments are not laser marked due to their small size.

Restorative Support Material

ML0206	Impression Technique Guide
L01022	Multi-unit Catalog and Manual
L0276	Restoring BioHorizons Implants using Locator Abutments
EP-MSLA	Locator Patient Education Model
L02007	Simple Solutions Abutments with Laser-Lok Catalog and Manual
L01016	Restoring BioHorizons or Zimmer Implants with Simple Solutions Abutments
L0277	Temporizing BioHorizons Implants with PEEK Abutments
ML0155	BioHorizons Ceramic Abutments (PDF only)
ML0118	Prosthetic Technique Manual
ML0103	Dental Implants - Patient Education Brochure, 50 pk
ML0131	Dental Implants - Patient Education Flipbook
ML0114	Overdenture Patient Education Brochure, 50 pk
ML0615	Laser-Lok Abutment Study by Myron Nevins, DDS
ML0159	Connective Tissue Attachment to Laser - Microgrooved Abutments
ML0160	Reattachment of Connective Tissue Fibers to a Laser - Microgrooved Abutment Surface

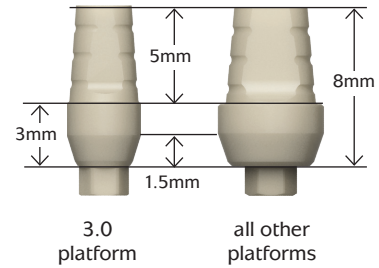


TEMPORARY ABUTMENTS

PEEK Temporary Abutments (Regular Emergence)

TP3TA	3.0mm platform
PYRTA	3.5mm platform
PGRTA	4.5mm platform
PBRTA	5.7mm platform

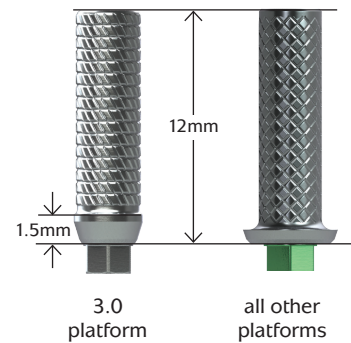
Use for fabrication of cement- or screw-retained provisional restorations (up to 30 days). A direct coping screw (PXDCS, purchased separately) may be used to maintain screw access hole during fabrication of screw-retained provisional prostheses. Packaged with an abutment screw (PXAS). PEEK (PolyEtherEtherKetone) material. Final torque: 30Ncm.



Titanium Temporary Abutments

TP3TTH	3.0mm platform, hexed
PYTTH*	3.5mm platform, hexed
PGTTH*	4.5mm platform, hexed
PBTTH*	5.7mm platform, hexed
TP3TTN	3.0mm platform, non-hexed
PYTTN*	3.5mm platform, non-hexed
PGTTN*	4.5mm platform, non-hexed
PBTTN*	5.7mm platform, non-hexed

Use hexed for single-unit screw-retained, long term temporary restorations (>30 days). Use non-hexed for multiple-unit, screw-retained, long term temporary restorations (>30 days). Packaged with an abutment screw (PXAS). Titanium Alloy. Final torque: 30Ncm.



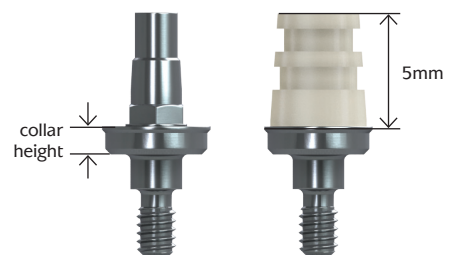
* In 2012, a running change was initiated to reduce the chimney thickness to create a more pronounced margin and improve prepping ease.

Two-piece Custom Temporary Abutments

TP3CTA1	3.0mm platform, 1mm collar height
TP3CTA3	3.0mm platform, 3mm collar height
PYCTA1	3.5mm platform, 1mm collar height
PYCTA3	3.5mm platform, 3mm collar height
PGCTA1**	4.5mm platform, 1mm collar height
PGCTA3**	4.5mm platform, 3mm collar height

Use to create an immediate temporary abutment that sculpts the soft tissue. Use included PEEK sleeve to support a temporary prosthesis. Final torque: 30Ncm.

** Call for availability

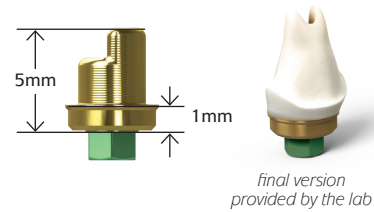


PATIENT-SPECIFIC ABUTMENTS

Titanium Base Abutments

PYTB	3.5mm platform
PGTB	4.5mm platform
PBTB	5.7mm platform

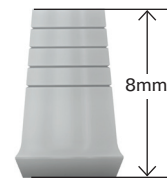
Provides the strength of titanium in anterior cases that require a durable, esthetic solution. For cement-retained single and multi-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy for strength. TiN coated for esthetics. Final torque: 30Ncm.



Waxing/Scanning Sleeves for Titanium Base Abutments

PYTBWS	3.5mm platform (pack of 3)
PGTBWS	4.5mm platform (pack of 3)
PBTBWS	5.7mm platform (pack of 3)

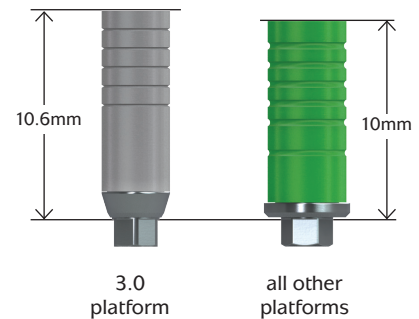
Use to create a wax-up or scan of Titanium Base Abutments. Packaged in packs of three. Polytetrafluoroethylene (PTFE).



Custom Castable (UCLA) Abutments

TP3CAH	3.0mm platform, hexed
PYCAH	3.5mm platform, hexed
PGCAH	4.5mm platform, hexed
PBCAH	5.7mm platform, hexed
TP3CAN	3.0mm platform, non-hexed
PYCAN	3.5mm platform, non-hexed
PGCAN	4.5mm platform, non-hexed
PBCAN	5.7mm platform, non-hexed

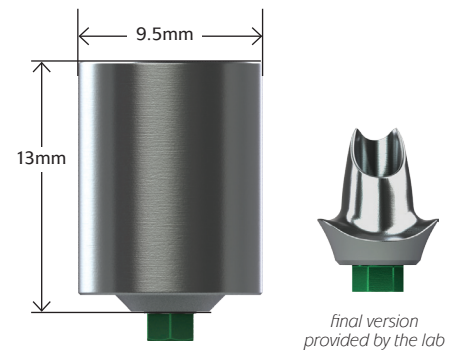
Use hexed abutments for single-unit screw-retained or custom abutment cement-retained restorations. Use non-hexed abutments for multiple-unit, screw-retained restorations. Packaged with an abutment screw (PXAS). Gold Alloy base with acetyl (Delrin® or Pomalux®) sleeve. Color-coded by platform. Final torque: 30Ncm.



Custom Ti Abutments

PYBPA	3.5mm platform
PGBPA	4.5mm platform
PBBPA	5.7mm platform

Use to create patient-specific abutments for cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. Final torque: 30Ncm.

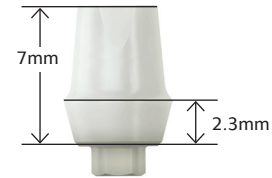


CEMENTABLE ABUTMENTS

Ceramic Abutments (Regular Emergence)

PYRCA	3.5mm platform
PGRCA	4.5mm platform
PBRCA	5.7mm platform

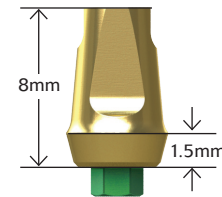
Use to fabricate cement-retained, single- or multiple-unit prostheses. Indicated for anterior, esthetic zone. Packaged with an abutment screw (PXAS). Yttria-stabilized Zirconia. Final torque: 30Ncm.



3inOne Abutments (Regular Emergence)

PYREA	3.5mm platform
PGREA	4.5mm platform
PBREA	5.7mm platform

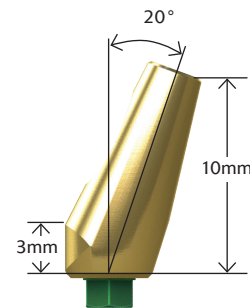
Use to fabricate cement-retained, single- or multiple-unit prostheses. Also used with a Ball-top Screw as a closed-tray, hexed-timed impression coping. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



Angled Abutments (Regular Emergence)

PYRAA	3.5mm platform
PGRAA	4.5mm platform
PBRAA	5.7mm platform

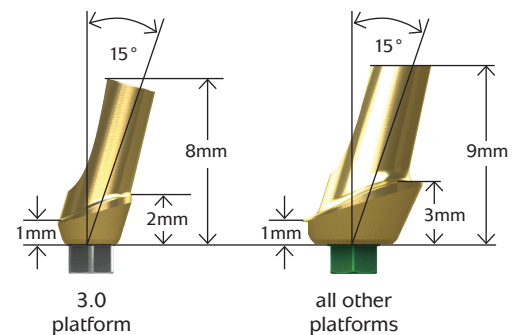
Use to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



Angled Esthetic Abutments

TP3AEA	3.0mm platform (Wide Emergence)
PYAEA	3.5mm platform (Wide Emergence)
PGAEA	4.5mm platform (Wide Emergence)
PBAEA	5.7mm platform (Regular Emergence)

Use to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.

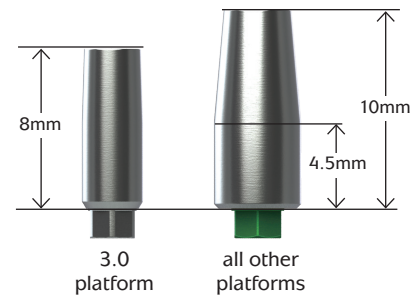


CEMENTABLE ABUTMENTS

Narrow Emergence Abutments

TP3SA	3.0mm platform
PYNEA	3.5mm platform
PGNEA	4.5mm platform
PBNEA	5.7mm platform

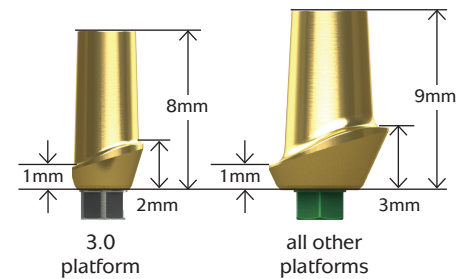
Use to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. Final torque: 30Ncm. Can also be used with Single-stage implants.



Straight Esthetic Abutments

TP3SEA	3.0mm platform (Wide Emergence)
PYSEA	3.5mm platform (Wide Emergence)
PGSEA	4.5mm platform (Wide Emergence)
PBSEA	5.7mm platform (Regular Emergence)

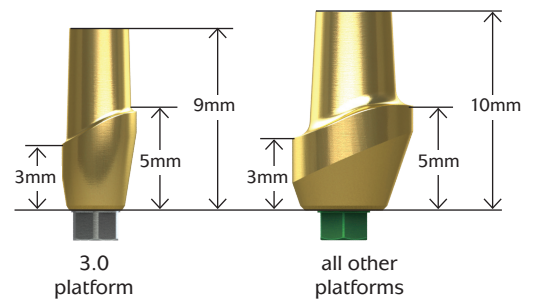
Use to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



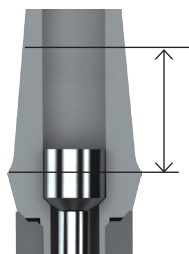
Straight Esthetic Abutments (3mm buccal height)

TP3SEA3	3.0mm platform (Wide Emergence)
PYSEA3	3.5mm platform (Wide Emergence)
PGSEA3	4.5mm platform (Wide Emergence)
PBSEA3	5.7mm platform (Regular Emergence)

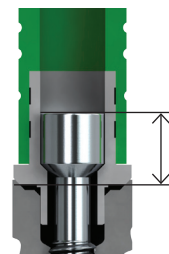
Use to fabricate cement-retained, single- or multiple-unit prostheses when a deep gingival sulcus is present. Packaged with an abutment screw (PXAS). Titanium Alloy. TiN coated for esthetics. Final torque: 30Ncm.



Note



For cement-retained restorations, maintain at least 4mm of chimney height for optimal cement retention.



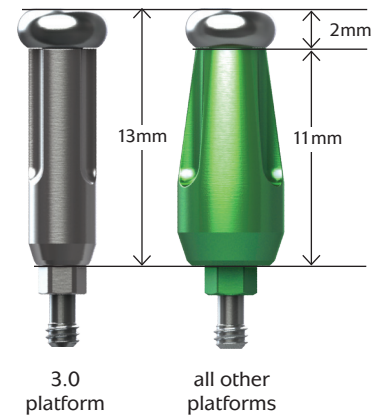
For screw-retained restorations, maintain at least 3mm from the abutment platform to avoid damaging the abutment screw.

IMPRESSION COMPONENTS

Indirect Scoop Copings (Closed Tray)

TP3ISC	3.0mm platform (Regular Emergence)
PYNISC	3.5mm platform (Narrow Emergence)
PYRISC	3.5mm platform (Regular Emergence)
PYWISC	3.5mm platform (Wide Emergence)
PGNISC	4.5mm platform (Narrow Emergence)
PGRISC	4.5mm platform (Regular Emergence)
PGWISC	4.5mm platform (Wide Emergence)
PBNISC	5.7mm platform (Narrow Emergence)
PBRISC	5.7mm platform (Regular Emergence)

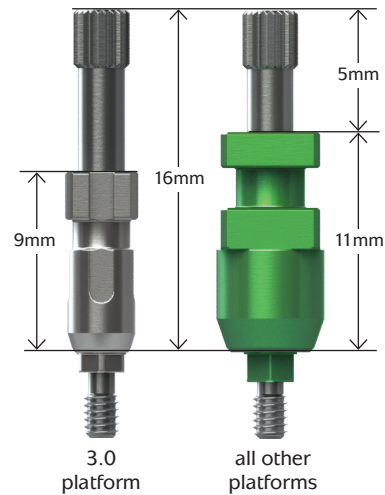
Use to make a closed-tray, implant-level, hexed-timed impression.
Pre-assembled with a coping screw (PXSS). Titanium Alloy.



Direct Pick-up Copings (Open Tray)

TP3DC	3.0mm platform, hexed (Regular Emergence)
TP3DCN	3.0mm platform, non-hexed (Regular Emergence)
PYND	3.5mm platform, hexed (Narrow Emergence)
PYNDN	3.5mm platform, non-hexed (Narrow Emergence)
PYRDC	3.5mm platform, hexed (Regular Emergence)
PYWDC	3.5mm platform, hexed (Wide Emergence)
PGNDC	4.5mm platform, hexed (Narrow Emergence)
PGNDCN	4.5mm platform, non-hexed (Narrow Emergence)
PGRDC	4.5mm platform, hexed (Regular Emergence)
PGWDC	4.5mm platform, hexed (Wide Emergence)
PBNDC	5.7mm platform, hexed (Narrow Emergence)
PBNDCN	5.7mm platform, non-hexed (Narrow Emergence)
PBRDC	5.7mm platform, hexed (Regular Emergence)

Use to make an open-tray, implant-level impression. Packaged with the direct coping screw, shallow hex (PXDCCS). Non-hexed versions may also be used to fabricate multiple-unit laser welded bars; see the Internal Prosthetic Technique Manual (ref. ML0118) for additional information. Titanium Alloy. Hand-tighten.



IMPRESSION COMPONENTS

Ball-top Screw for Indirect (Closed Tray) Transfer

PXBT **Ball-top Screw for Indirect Transfer**

Use with the 3inOne Abutment to form an impression coping for closed-tray, hexed-timed transfers. Hand-tighten. Titanium Alloy.



Direct Coping Screws

PXDCSS **Direct Coping Screw, Shallow Hex**

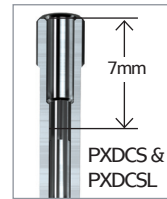
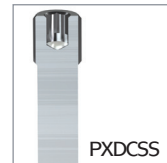
Packaged with all Direct Pick-up Copings. Short hex depth for easy removal of impression material. May also be used in place of an abutment screw (PXAS) when extra length is needed, or to maintain the screw access hole during fabrication of a screw-retained provisional prostheses. Utilizes the .050" (1.25mm) Hex Driver. Hand-tighten or torque to 30 Ncm depending on application. Titanium Alloy.

PXDCS **Direct Coping Screw**

Includes a deeper hex that allows up to 7mm to be prepped without losing the hex engagement. Utilizes the .050" (1.25mm) Hex Driver. Hand-tighten or torque to 30 Ncm depending on application. Titanium Alloy.

PXDCSL **Direct Coping Screw, Long**

PXDCSL has the same deep hex as the PXDCS and is 5mm longer than the PXDCS and the PXDCSS.



Implant Analogs

TP3IA **3.0mm platform**

PYIA **3.5mm platform**

PGIA **4.5mm platform**

PBIA **5.7mm platform**

Use in the lab to represent the implant in the working cast. Not intended for use with Simple Solutions components. Titanium Alloy.



Abutment Screw

PXAS **Abutment Screw**

Fits all implant prosthetic platforms. Low profile screw head. Packaged with all two-piece abutments. Utilizes the .050" (1.25mm) Hex Driver. Titanium Alloy. Final torque: 30 Ncm.

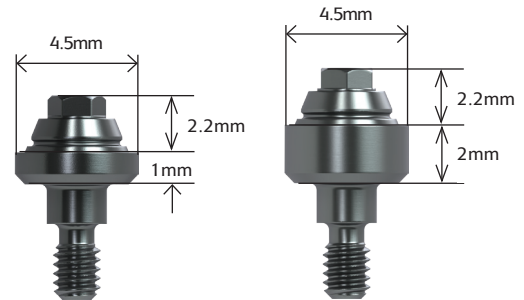


MULTI-UNIT ABUTMENTS

For Multi-unit abutment instructions, please see BioHorizons document L01022.

Straight Multi-unit Abutments

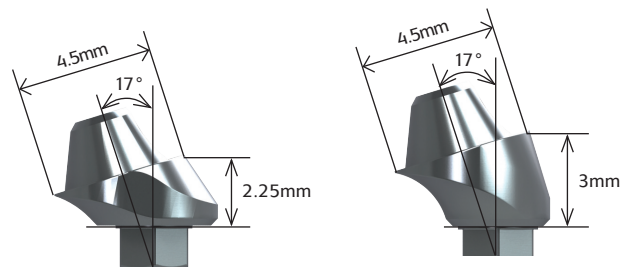
	1mm collar	2mm collar	3mm collar	4mm collar	5mm collar
3.0mm platform	TP3MU1	TP3MU2	TP3MU3	-	-
3.5mm platform	PYMU1	PYMU2	PYMU3	-	PYMU5
4.5mm platform	PGMU1	PGMU2	PGMU3	PGMU4	PGMU5
5.7mm platform	PBMU1	PBMU2	PBMU3	-	-



Straight Multi-unit abutments may be used for multiple-unit screw-retained restorations at the abutment level, cast alloy bars for overdentures and fixed/detachable (hybrid) restorations. Comes with a cover cap (PXMUCC) pre-mounted on a color-coded carrier. Final torque: 30 Ncm using a Multi-unit Hex Adapter. Titanium alloy. Carrier is high-density polyethylene (HDPE).

17° Angled Multi-unit Abutments

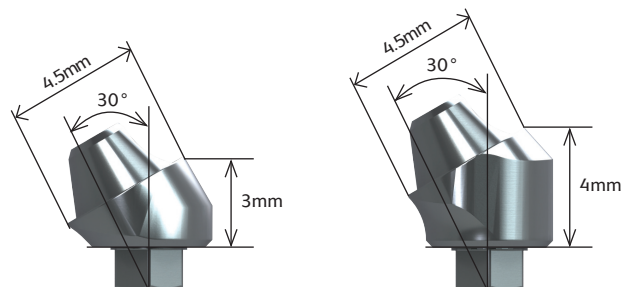
	2.25mm collar	3mm collar	4mm collar
3.0mm platform	TP3MU172	TP3MU173	-
3.5mm platform	PYMU172	PYMU173	-
4.5mm platform	PGMU172	PGMU173	PGMU174



17° Angled Multi-unit abutments may be used to angle-correct divergent implants. Use for multiple-unit restorations including: screw-retained restorations at the abutment level, cast alloy bars for overdentures and fixed/detachable (hybrid) restorations. Comes with a cover cap (PXMUCC) and pre-mounted abutment screw (PXMUAS) on a color-coded carrier. Final torque: 30 Ncm. Titanium alloy. Conveniently deliver abutment one-handed using an .050 hex or Unigrip™ driver.

30° Angled Multi-unit Abutments

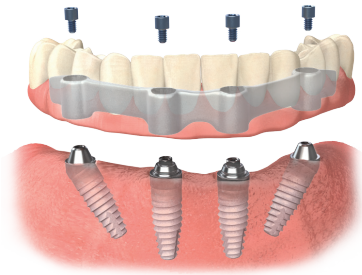
	3mm collar	4mm collar	5mm collar
3.5mm platform	-	PYMU304*	PYMU305*
4.5mm platform	PGMU303	PGMU304	PGMU305



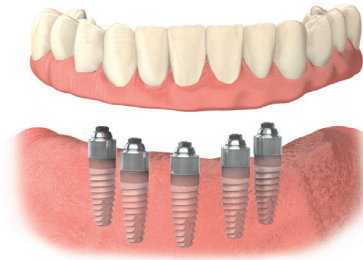
30° Angled Multi-unit abutments may be used to angle-correct highly divergent implants. Use for multiple-unit restorations including: screw-retained restorations at the abutment level, cast alloy bars for overdentures and fixed/detachable (hybrid) restorations. Comes with a cover cap (PXMUCC) and pre-mounted abutment screw (PXMUAS) on a color-coded carrier. Final torque: 30 Ncm. Titanium alloy. Conveniently deliver abutment one-handed using an .050 hex or Unigrip™ driver.

* Call for availability

MULTI-UNIT ABUTMENTS



hybrid restoration using angled implants



traditional hybrid restoration

Paralleling Pins

- 144-100 Straight Parallel Pins
- 144-200 20° Angled Parallel Pin
- 144-230* 30° Angled Parallel Pin

Use parallel pins to assess implant angulation and estimate which angled abutment is appropriate for the restoration.

* Call for availability



Multi-unit Hex Adapters

PXMUHAM Manual Multi-unit Hex Adapter

Use to hand tighten Straight Multi-unit abutments.

PXMUHAH Handpiece Multi-unit Hex Adapter

Use to torque Straight Multi-unit abutments. Driven by latch-type handpiece. Do not exceed 30 Ncm.

PXMUHAR 4mm Square Multi-unit Hex Adapter

Use to torque Straight Multi-unit abutments. Driven by 4mm square drive handwrench, ratchet, or torque wrench. Do not exceed 30 Ncm.



Manual



Handpiece



4mm Square

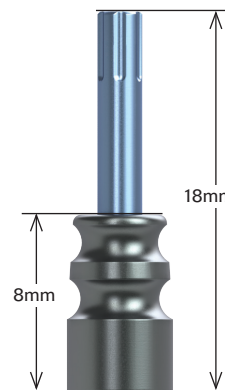
Multi-unit Impression Copings

PXMUDC Direct Pick-up Coping, Multi-unit

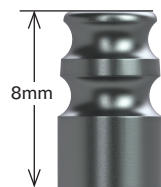
Use to make a direct pick-up impression (open-tray) at the abutment level. Packaged with a prosthetic screw, long (PXMUPSL). Titanium alloy. Hand tighten.

PXMUIC Indirect Transfer Coping, Multi-unit

Use to make an indirect transfer (closed-tray) impression at the abutment level. Titanium alloy. Hand tighten.



Direct Pick-up



Indirect Transfer

MULTI-UNIT ABUTMENTS

Multi-unit Cover Cap

PXMUCC Cover Cap, Multi-unit

Packaged with all Multi-unit abutments. Hand-tighten with .050" (1.25mm) Hex Driver or Unigrip™ screw driver. Titanium alloy.

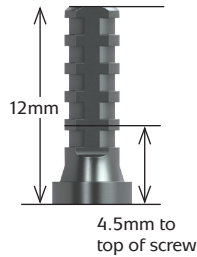


Multi-unit Copings

PXMUTC

Titanium

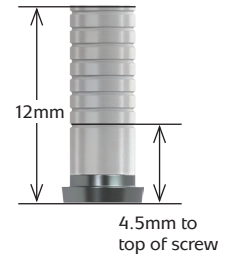
Use for fabricating acrylic temporary and final prostheses. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Titanium alloy.



PXMUGC

Gold Custom Castable

Use for fabricating metal-reinforced acrylic prostheses or bar overdentures. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Coping has a gold alloy base with natural acetyl (Delrin® or Pomalux®) sleeve.



PXMUPC

Plastic Custom Castable

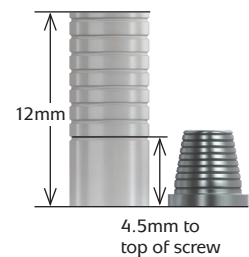
Use for fabricating metal-reinforced acrylic prostheses or bar overdentures. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Natural acetyl (Delrin® or Pomalux®).



PXMUPFC

Passive Fit

Use for fabricating metal-reinforced acrylic prostheses or bar overdentures, cemented using the passive-fit technique. May be trimmed for height. Packaged with regular and long prosthetic screws (PXMUPSR, PXMUPSL). Coping has a titanium alloy base with natural acetyl (Delrin® or Pomalux®) sleeve.



Multi-unit Locators

LMUTC-2 Locator Multi-unit Abutment w/ Ti Collar (2 pack)

LMUTC-10 Locator Multi-unit Abutment w/ Ti Collar (10 pack)

LMUDC-2 Locator Multi-unit Abutment w/ Delrin Collar (2 pack)

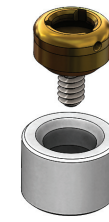
LMUDC-10 Locator Multi-unit Abutment w/ Delrin Collar (10 pack)

LMUBPP-2 Locator Multi-unit Bar Processing Package (2 pack)

LMUBPP-10 Locator Multi-unit Bar Processing Package (10 pack)



Abutment w/
Ti Collar



Abutment w/
Delrin Collar



Locator attachments for multi-unit abutments have been designed as a free-standing option (LMUTC) for the angled multi-unit posterior sites and for castable bar-splinted applications (LMUDC). The Locator Multi-unit Bar Processing Package includes Denture Cap with Yellow Bar Processing Male, Dual Retentive Replacement Males: Clear, Pink, Blue, and Block-Out Spacer. Offered in 2 packs and 10 packs. For complete instructions, visit the Zest Anchors web site.

MULTI-UNIT ABUTMENTS

Multi-unit Abutment Screw

PXMUAS Abutment Screw, Multi-unit

For Angled Multi-unit abutments only. Final torque: 30 Ncm with .050" (1.25mm) Hex Driver or Unigrip™ screw driver. Titanium alloy.

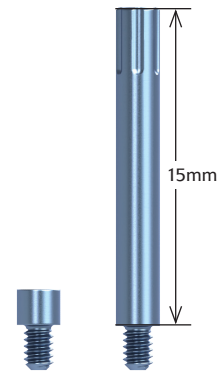


Multi-unit Prosthetic Screws

PXMUPSR Prosthetic Screw, Multi-unit, Regular (pack of 5)

PXMUPSL Prosthetic Screw, Multi-unit, Long (pack of 5)

Hand-tighten or torque to 15 Ncm with .050" (1.25mm) Hex Driver or Unigrip™ screw driver, depending on application. Titanium alloy.



Multi-unit Abutment Replica

PXMUAR Abutment Replica, Multi-unit

Use at lab to represent the Multi-unit/Implant assembly in the working cast. Not for use with implant-level impressions. Titanium alloy.



Multi-unit Protection Analog

PXMUPA Protection Analog, Multi-unit (pack of 5)

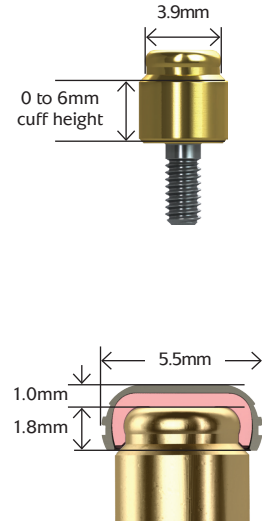
Use to protect abutment-coping interface when polishing the metal framework. Titanium alloy.



LOCATOR ABUTMENTS

Locator Abutments

	3.0mm platform	3.5mm platform	4.5mm platform	5.7mm platform
0mm cuff height	not available	PYLA0	PGLA0	not available
1mm cuff height	TP3LA1	PYLA1	PGLA1	PBLA1
2mm cuff height	TP3LA2	PYLA2 (2.5mm)	PGLA2	PBLA2
3mm cuff height	TP3LA3	PYLA3 (3.5mm)	PGLA3	PBLA3
4mm cuff height	TP3LA4	PYLA4 (4.5mm)	PGLA4	PBLA4
5mm cuff height	TP3LA5	PYLA5 (5.5mm)	PGLA5	PBLA5
6mm cuff height	TP3LA6	PYLA6 (6.5mm)	PGLA6	PBLA6



Locator Implant Attachments are designed for use with overdentures or partial dentures retained in whole or in part by dental implants in the mandible or maxilla. Order by cuff height to match the height of the gingival tissue. The abutment will extend above the tissue by 1.8mm to allow the Locator Male to seat completely. Order one Locator Male Processing Set for each Locator Abutment (sold in packs of 2 or 10). Can also be used with Single-stage implants. Titanium Alloy.

The Male Processing Package provides 3 choices of retention. The Replacement Males (clear, pink and blue) are used to restore implants with up to 10° of divergence (20° between implants). The Extended Range Replacement Males (green and red) accommodate divergences from 10° and 20° (40° between implants), and may be purchased separately.

Locator Components

LCT Core Tool

Multi-purpose tool serves as hand driver for seating Locator Abutments onto the implants, seating tool for nylon male inserts and insert removal tool.

Note: now packaged with one Locator Abutment Holder Sleeve.



LAHS Locator Abutment Holder Sleeve (4 pack)

Use to retain and deliver the Locator Abutment using the driver portion of the Core Tool.



LOCATOR ABUTMENTS

Locator Components

LMPP-2 Male Processing Package (2 pack)

Includes: (2) Denture Caps assembled with Black Processing Males;
(2) White Block-out Spacers; (2) Clear, (2) Pink and (2) Blue Nylon Males.

LMPP-10 Male Processing Package (10 pack)

Includes: (10) Denture Caps assembled with Black Processing Males;
(10) White Block-out Spacers; (10) Clear, (10) Pink and
(10) Blue Nylon Males.



LRM-G Extended Range Replacement Male (green)
Retention: 4lbs, 4 pack



LRM-C Replacement Male (clear)
Retention: 5lb, 4 pack



LRM-O Extended Range Replacement Male (orange)
Retention: 2lbs, 4 pack



LRM-P Replacement Male (pink)
Retention: 3lb, 4 pack



LRM-R Extended Range Retention Replacement Male (red)
Retention: 1lb, 4 pack



LRM-B Replacement Male (blue)
Retention: 1.5lb, 4 pack



LRM-Z Extended Range Replacement Male (gray)
Retention: 0lb, 4 pack



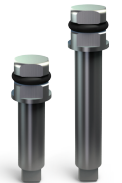
LBPRM Black Processing Replacement Male



LFA-4MM Female Analog 4mm (4 pack)
Use for 3.0, 3.5 and 4.5 platforms



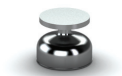
LSDT-15MM Square Drive Tool (15mm length)
Use with a torque wrench to seat Locator Abutments.



LFA-5MM Female Analog 5mm (4 pack)
Use for 5.7 platform

LSDT-21MM Square Drive Tool (21mm length)
Use with a torque wrench to seat Locator Abutments.

LIC Impression Coping (4 pack)



LPP Parallel Post (4 pack)



LAMG Angle Measurement Guide

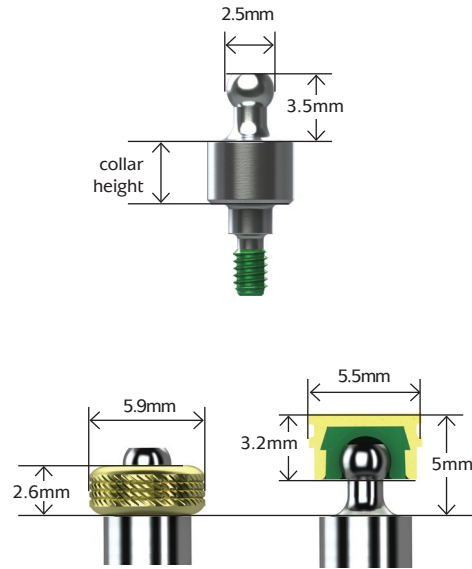


BALL ABUTMENTS

Ball Abutments

PYBA1	3.5mm platform, 1mm collar height
PYBA3	3.5mm platform, 3mm collar height
PYBA5	3.5mm platform, 5mm collar height
PGBA1	4.5mm platform, 1mm collar height
PGBA3	4.5mm platform, 3mm collar height
PGBA5	4.5mm platform, 5mm collar height
PBBA1	5.7mm platform, 1mm collar height
PBBA3	5.7mm platform, 3mm collar height

Use for retention of tissue-supported overdentures. Ball Abutments may be used for indirect transfer impressions. Ball Abutment Analogs on facing page are used for producing a working cast. Can also be used with Single-stage implants. Titanium Alloy.

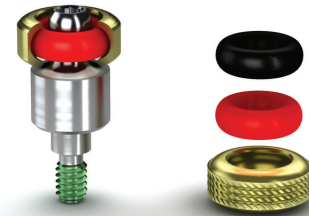


Sizing comparison of O-ring Attachment and Ball Attachment

O-ring Attachment Set

260-100 O-ring Attachment Set

Standard O-ring attachment for processing into denture. Includes: (1) O-ring encapsulator, (2) Processing O-rings and (2) Clinical O-rings. Recommended for relatively parallel implants (5° of divergence or 10° between implants).



O-ring Individual Components

260-300 O-ring Encapsulator

Female receptacle processed into denture. Titanium. 2 per package.



260-220 Processing O-ring

Use for lab processing applications. Buna. 12 per package.



260-210 Clinical O-ring

Use for clinical applications. Silicone. 12 per package.



BALL ABUTMENTS

Ball Attachment Set

BCAS Ball Attachment Set

Includes: (1) Titanium Housing, (3) Female Nylon Inserts - white (more retention), pink (less retention), black (lab processing) and (1) Protective Disk (BCPD, protects tissue during impression making or denture pick-up)



The Ball Attachment system offers several advantages over traditional O-ring attachments:

- Greater abutment angulation (14° of divergence or 28° between implants)
- 0.4mm of less mesial/distal/buccal/lingual space
- Four different levels of retention instead of one

Ball Abutment Components

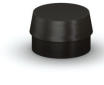
BCAHT Attachment Housings - Titanium
For Resin pickup or Soldering.
2 per package.



BCIY Yellow Nylon Insert
Clinical use. 2 per package.
Very elastic retention: 500-550g



BCIB Black Nylon Insert
Lab Processing and Chair-side
Denture Pick-up. 2 per package.



BCIP Pink Nylon Insert
Clinical use. 2 per package.
Elastic retention: 800-950g



BCIW White Nylon Insert
Clinical use. 2 per package.
Slightly elastic retention: 1200-1300g



BCIG Green Nylon Insert
Clinical use. 2 per package.
Extremely elastic retention.



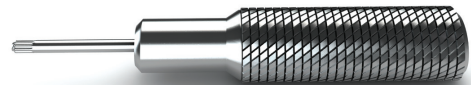
BCDR Directional Rings
Use for obtaining parallelism.
0°, 7° and 14° rings. Set of 3.



BCIST Insert Seating Tool
Use to seat nylon inserts in attachment housings.



BCR Reamer
Use to adjust retention of nylon inserts.



Ball Abutment Analogs

PYGBAA 3.5/4.5mm Ball Abutment Analog

PBBAA 5.7mm Ball Abutment Analog

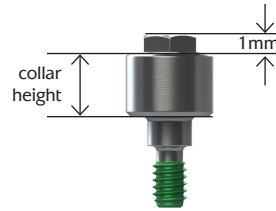
Use at lab to represent the Ball Abutment/Implant assembly in the working cast. Only use in conjunction with Ball Abutments. Titanium Alloy.



ABUTMENT FOR SCREW

Straight Abutment for Screw - Non-hexed

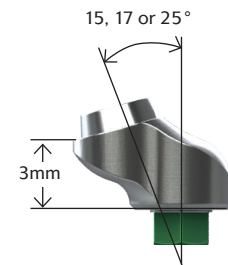
PYAFS1	3.5mm platform, 1mm collar height
PYAFS3	3.5mm platform, 3mm collar height
PYAFS5	3.5mm platform, 5mm collar height
PGAFS1	4.5mm platform, 1mm collar height
PGAFS3	4.5mm platform, 3mm collar height
PGAFS5	4.5mm platform, 5mm collar height
PBAFS1	5.7mm platform, 1mm collar height
PBAFS3	5.7mm platform, 3mm collar height



Use for multiple-unit restorations including: screw-retained restorations at the abutment level, cast alloy bars for overdentures and fixed/detachable (hybrid) restorations. Comes packaged with a cover cap (PXABCC). Final torque: 30Ncm. Can also be used with Single-stage implants. Titanium Alloy.

Angled Abutment for Screw - Hexed

PYAFS17	3.5mm platform, 17 degree
PGAFS15	4.5mm platform, 15 degree
PGAFS25	4.5mm platform, 25 degree
PBAFS15	5.7mm platform, 15 degree

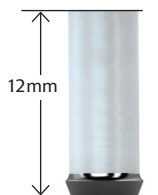


Comes packaged with a cover cap (PXABCC) and abutment screw (PXAS). Final torque: 30Ncm. Can also be used with Single-stage implants. Titanium Alloy.

Non-hexed Copings, Abutment for Screw

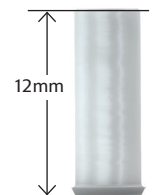
PXABGC Gold Coping, Abutment for Screw

May be trimmed for height. Packaged with one Screw (regular), Abutment for Screw (see PXABS). Gold Alloy base with Delrin® sleeve.



PXABPC Plastic Coping, Abutment for Screw

May be trimmed for height. Packaged with one Screw (regular), Abutment for Screw (see PXABS). Delrin® sleeve.



Instant Fixed Overdenture Abutment - Non-hexed

PXIFO Instant Fixed Overdenture Abutment

Use with Abutments for Screw for fabrication of immediate provisional overdentures. See Fixed Provisional Overdenture Technique (L0155) for more details. Packaged with one Screw (regular), Abutment for Screw (see PXABS). Abutment height is 9mm. Final torque: 30Ncm. Titanium Alloy.



Cover Cap, Abutment for Screw

PXABCC Cover Cap, Abutment for Screw

Packaged with all Abutments for Screw. Hand-tighten with .050" (1.25mm) Hex Driver. Titanium Alloy.



ABUTMENT FOR SCREW

Hex Adapter, Abutment for Screw

PXHA* Hex Adapter, Abutment for Screw

Use to place Abutment for Screw. May be driven by either Hand Wrench, Torque Wrench or AS123 Hand Unit.

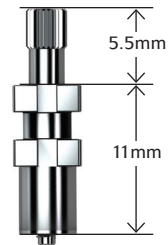
** Instrument o-rings & c-rings wear out over time. If an instrument is no longer held securely by its associated driver, order a replacement ring through Customer Care.*



Direct Pick-up Coping, Abutment for Screw

PXABDC Direct Pick-up Coping, Abutment for Screw

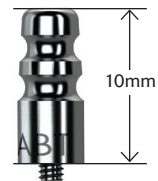
Use to make a direct pick-up impression (open-tray) at the abutment level. Packaged with the Screw (long), Abutment for Screw (PXABSL). Use only with Abutment for Screw. Titanium Alloy.



Indirect Transfer Coping, Abutment for Screw

PXABIC Indirect Transfer Coping, Abutment for Screw

Use to make an indirect transfer (closed-tray) impression at the abutment level. Use only with Abutment for Screw. Titanium Alloy.



Analog, Abutment for Screw

PXABA Analog, Abutment for Screw

Use at lab to represent the Abutment for Screw/Implant assembly in the working cast. Not for use with implant-level impressions.



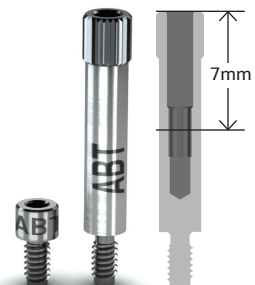
Screw (regular or long), Abutment for Screw

PXABS Screw (regular), Abutment for Screw (5 pack)

Use to retain bars or prostheses fabricated with the Abutment for Screw Copings. Utilizes the .050" (1.25mm) Hex Driver. Final torque: 30 Ncm. Titanium Alloy.

PXABSL Screw (long), Abutment for Screw (5 pack)

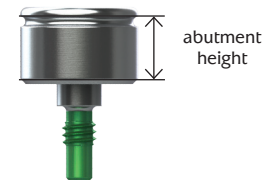
Use in the lab when a longer screw is desired. Use only with the Abutment for Screw. Up to 7mm can be removed from the screw without losing the hex engagement. Hand-tighten or torque to 30Ncm depending on application. Titanium Alloy.



SINGLE-STAGE IMPLANT PROSTHETICS

Single-stage Implant Healing Abutments

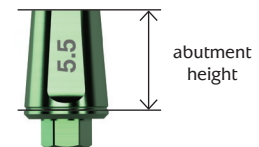
	abutment diameter	2mm height	4mm height
3.5mm platform	5.1mm	SYHA20	SYHA40
4.5mm platform	6.1mm	SGHA20	SGHA40
5.7mm platform	7.3mm	SBHA20	SBHA40



Hand-tighten with the .050" (1.25mm) Hex Driver. Titanium Alloy. Can be used to contour tissue for Simple Solutions abutments. A 2mm Healing Abutment is packaged with each Single-stage implant. Laser marked for easy intraoral identification; for example: **SG2**: Green (4.5mm) platform / 2mm height.

Single-stage Simple Solutions Abutment Packs

	abutment pack	restorative pack
3.5mm platform 4mm height	SYAP40	SYRP40
3.5mm platform 5.5mm height	SYAP55	SYRP55
4.5mm platform 4mm height	SGAP40	SGRP40
4.5mm platform 5.5mm height	SGAP55	SGRP55
5.7mm platform 4mm height	SBAP40	SBRP40
5.7mm platform 5.5mm height	SBAP55	SBRP55

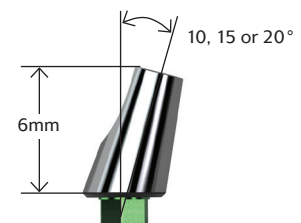


Abutment designed primarily for posterior restorations when abutment modification is not required. Packaged with an abutment screw (PXAS) and Healing Cap that can serve as a temporary. Titanium Alloy. Final torque: 30Ncm. Restorative pack conveniently includes the impression and lab components needed to restore a Simple Solutions abutment. Includes a snap cap impression transfer, one crown waxing sleeve, one bridge waxing sleeve and an implant/abutment replica for the working cast.

Single-stage Angled Abutments for Cement-retained Restorations

- SYAA** 3.5mm platform (10°)
- SGAA** 4.5mm platform (15°)
- SBAA** 5.7mm platform (20°)

Use to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with an abutment screw (PXAS). Titanium Alloy. Final torque: 30Ncm.



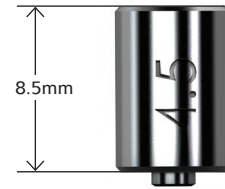
Components on this page are designed for use with BioHorizons Single-stage Implants.

SINGLE-STAGE IMPLANT PROSTHETICS

Single-stage Titanium Abutment for Laser Weld

SYTALW	3.5mm platform
SGTALW	4.5mm platform
SBTALW	5.7mm platform

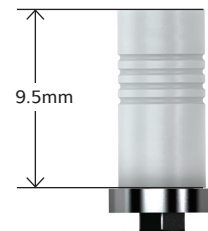
Use to fabricate multiple-unit laser welded bars. Packaged with an abutment screw (PXAS) for clinical use and direct coping screw (PXDCS) for laboratory use. Titanium Alloy. Final torque: 30Ncm.



Single-stage Custom Castable (UCLA) Abutments

SYCAH	3.5mm platform, hexed
SGCAH	4.5mm platform, hexed
SBCAH	5.7mm platform, hexed
SYCAN	3.5mm platform, non-hexed
SGCAN	4.5mm platform, non-hexed
SBCAN	5.7mm platform, non-hexed

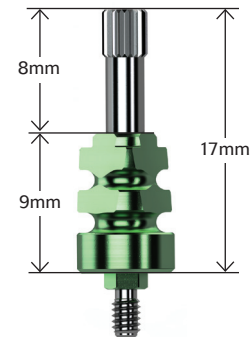
Hexed abutment used for single-unit screw-retained or custom abutment cement-retained restorations. Non-hexed abutment used for multiple-unit, screw-retained restorations. Packaged with an abutment screw (PXAS). Gold Alloy base with natural acetyl (Delrin® or Pomalux®). Final torque: 30Ncm.



Single-stage Direct Pick-up Copings

SYDCH	3.5mm platform, hexed
SGDCH	4.5mm platform, hexed
SBDCH	5.7mm platform, hexed
SYDCN	3.5mm platform, non-hexed
SGDCN	4.5mm platform, non-hexed
SBDCN	5.7mm platform, non-hexed

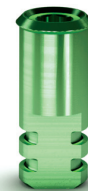
Use to make an open-tray, implant-level impression. Packaged with the extended direct coping screw, shallow hex (PXDCSS). Titanium Alloy. Hand-tighten.



Single-stage Implant Analog

SYIA	3.5mm platform
SGIA	4.5mm platform
SBIA	5.7mm platform

Use in the lab to represent the Single-stage implant in the working cast. Titanium Alloy.



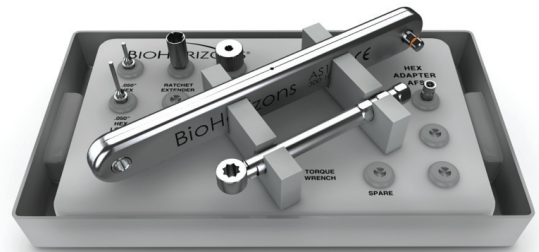
Components on this page are designed for use with BioHorizons Single-stage Implants.

PROSTHETIC INSTRUMENTATION

Prosthetic Kit

320-000 Complete Prosthetic Instrumentation Kit (shown)
Includes:

- AS123 Hand Unit
- Hand Wrench
- 30 Ncm Torque Wrench
- Sterilization Tray
- 4mm Square Drive Extender
- Hex Adapter, Abutment for Screw
- .050" (1.25mm) Hex Driver, Regular
- .050" (1.25mm) Hex Driver, Long



320-101 Basic Prosthetic Instrumentation Kit (not shown)

Identical to the Complete Prosthetic Instrumentation System, but excludes the AS123 Hand Unit and Hex Adapter for Abutment for Screw.

300-070 Prosthetic Sterilization Tray (not shown)

Autoclavable tray for prosthetic instrumentation (included with the 320-000 and 320-101).

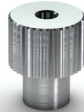
300-100* AS123 Hand Unit

Provides improved vision and easy access to prosthetic components in posterior regions of the mouth. Hand Wrench and Drivers are sold separately.



300-400* Hand Wrench

Use on drive end of AS123 Hand Unit. Also fits individual Hex Drivers/Adapters and Bone Taps.



300-206* 4mm Square Drive Extender

Replaced 300-205 starting in June 2010. Includes PEEK C-ring for durable retention in Ratchet. Cannot be used with bone taps.



300-430 30 Ncm Torque Wrench

Use break-style design to deliver 30 Ncm of torque to prosthetic components.



PXHA* Hex Adapter, Abutment for Screw

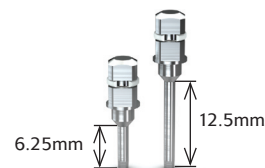
Use to place Abutment for Screw. May be driven by either Hand Wrench, Torque Wrench or AS123 Hand Unit.



300-350* .050" (1.25mm) 4mm Square Hex Driver, Regular

300-351* .050" (1.25mm) 4mm Square Hex Driver, Long

Use to tighten all hex-driven prosthetic screws.



**Instrument o-rings & c-rings wear out over time. If an instrument is no longer held securely by its associated driver, order a replacement ring through Customer Care.*

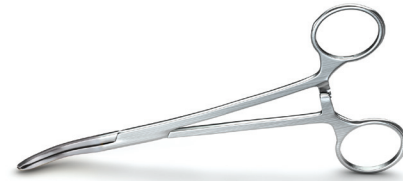
shop online at www.biohorizons.com

PROSTHETIC INSTRUMENTATION

Abutment Clamp

IMPAH Abutment Clamp

Use to hold two-piece abutments during delivery and tightening of an abutment screw.



Adjustable Torque Wrenches

ATW ITL Precise Adjustable Torque Wrench

Place both implants and abutments with 9 distinct torque settings (15, 20, 25, 30, 35, 40, 45, 50 and 60 Ncm). A simple twist of the handle locks in precision-engineered torque values and guarantees accuracy and repeatability.



EL-C12374 Elos Adjustable Torque Wrench

Lightweight titanium design is easy to use as an adjustable torque wrench or a ratchet. Quickly disassembles for cleaning. No calibration required.



Abutment Prepping Handles

TP3AH 3.0mm platform Analog Handle

PYGAH 3.5/4.5mm platform Analog Handle

PBAH 5.7mm platform Analog Handle

Use to comfortably hold abutments for chairside or laboratory preparation. Abutments are secured to the handle with a standard abutment screw (PXAS). Comes in three sizes: 3.0, 3.5/4.5 and 5.7mm.



.050" (1.25mm) Hex Drivers

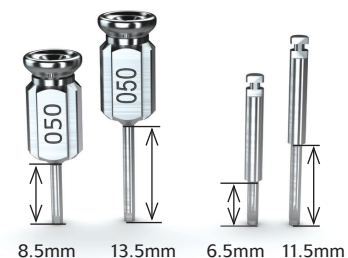
135-351 * Manual Hex Driver

135-451 * Manual Hex Driver, Long

134-350 Handpiece Hex Driver

134-450 Handpiece Hex Driver, Long

For installation and removal of Cover Screws, Healing Abutments and abutment screws.



Clean-out Tap Tools

PXCT * Implant Clean-out Tap Tool

122-170 * Abutment for Screw Clean-out Tap Tool

Use PXCT to re-thread internal connection implants (Tapered Internal, Internal, Laser-Lok 3.0 and Single-stage), and 122-170 to re-thread Abutment for Screw abutments where the internal threads have become damaged. Requires a standard surgical Ratchet (130-000) or Hand Wrench (300-400) as a drive mechanism.



**Instrument o-rings & c-rings wear out over time. If an instrument is no longer held securely by its associated driver, order a replacement ring through Customer Care.*

ICON LEGEND & REFERENCES

Symbol Descriptions for Product Labeling

STERILE R

Sterile by
gamma irradiation



Single use only

Rx Only

Caution: Federal (USA) law restricts these devices to the sale, distribution and use by, or on the order of, a dentist or physician.



BioHorizons products carry the CE mark and fulfill the requirements of the Medical Devices Directive

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QUALITY FIRST INTERNATIONAL
Suites 317/318 Burford Business Centre
11 Burford Road, Stratford
London E15 2ST United Kingdom
Telephone +44-208-221-2361
Telefax +44-208-221-1912

Non-sterile

Non-sterile



See
Instructions for Use

LOT

Lot/batch
number

REF

Reference/
article number

BioHorizons Prosthetic Platform Coloring

BioHorizons prosthetic components are color-coded to match BioHorizons implant prosthetic platforms. To ensure compatibility:

- (1) determine the BioHorizons implant system from the patient's record (e.g. Internal, External, Single-stage)
- (2) verify that the prosthetic component is intended for that system
- (3) match the restorative component color with the implant prosthetic platform.

Zimmer® Prosthetic Platform Coloring

Zimmer Customers: BioHorizons Internal prosthetic components are indicated for use with Zimmer Screw-Vent® and Tapered Screw-Vent® implant systems. To ensure compatibility;

- (1) determine the Zimmer implant system from the patient's record,
- (2) verify that the prosthetic component indicates BioHorizons Internal on the label
- (3) match the prosthetic component diameter to the implant prosthetic platform, 3.5, 4.5 or 5.7mm.

BioHorizons prosthetic components are color-coded as follows:



3.0mm
Prosthetic
Platform



3.5mm
Prosthetic
Platform



4.5mm
Prosthetic
Platform



5.7mm
Prosthetic
Platform

References

1. Osseointegration on metallic implant surfaces: effects of microgeometry and growth factor treatment. Frenkel SR, Simon J, Alexander H, Dennis M, Ricci JL. *J Biomed Mater Res.* 2002;63(6):706-13.
2. Histologic Evidence of a Connective Tissue Attachment to Laser Microgrooved Abutments: A Canine Study. M Nevins, DM Kim, SH Jun, K Guze, P Schupbach, ML Nevins. *International Journal of Periodontics & Restorative Dentistry.* Vol. 30, No. 3, 2010.
3. Heat production by 3 implant drill systems after repeated drilling and sterilization. Chacon GE, Bower DL, Larsen PE, McGlumphy EA, Beck FM. *J Oral Maxillofac Surg.* 2006 Feb;64(2):265-9.

ORDERING & WARRANTY INFORMATION

Product Support Specialist: _____

Cell phone: _____

Fax: _____

BioHorizons Lifetime Warranty on Implants and Prosthetics: All BioHorizons implants and prosthetic components include a Lifetime Warranty. BioHorizons implant or prosthetic components will be replaced if removal of that product is due to failure (excluding normal wear to overdenture attachments).

Additional Warranties: BioHorizons warranties instruments, surgical drills, taps, torque wrenches and Virtual Implant Placement (VIP) treatment planning software.

(1) Surgical Drills and Taps: Surgical drills and taps include a warranty period of ninety (90) days from the date of initial invoice. Surgical instruments should be replaced when they become worn, dull, corroded or in any way compromised. Surgical drills should be replaced after 12 to 20 osteotomies.³

(2) Instruments: The BioHorizons manufactured instrument warranty extends for a period of one (1) year from the date of initial invoice. Instruments include drivers, sinus lift components, implant site dilators and BioHorizons tools used in the placement or restoration of BioHorizons implants.

(3) VIP treatment planning software: VIP treatment planning software warranty extends for a period of ninety (90) days from the date of initial invoice. The warranty requires that VIP be used according to the minimum system requirements.

(4) Compu-Guide surgical templates: Compu-Guide surgical templates are distributed without making any modifications to the submitted Compu-Guide Prescription Form and VIP treatment plan ("as is"). BioHorizons does not make any warranties expressed or implied as it relates to surgical templates.

Return Policy: Product returns require a Return Authorization Form, which can be acquired by contacting Customer Care. The completed Return Authorization Form should be included with the returned product. For more information, please see the reverse side of the invoice that was shipped with the product.

Disclaimer of Liability: BioHorizons products may only be used in conjunction with the associated original components and instruments according to the Instructions for Use (IFU). Use of any non-BioHorizons products in conjunction with BioHorizons products will void any warranty or any other obligation, expressed or implied.

Treatment planning and clinical application of BioHorizons products are the responsibility of each individual clinician. BioHorizons strongly recommends completion of postgraduate dental implant education and adherence to the IFU that accompany each product. BioHorizons is not responsible for incidental or consequential damages or liability relating to use of our products alone or in combination with other products other than replacement or repair under our warranties.

Compu-Guide surgical templates are ordered under the control of a Clinician. The Clinician recognizes responsibility for use. Therefore, regardless of the real or proven damages, the liability to BioHorizons is limited to the price of the product directly related to the reason for the claim.

Distributed Products: For information on the manufacturer's warranty of distributed products, please refer to their product packaging. Distributed products are subject to price change without notice.

Validity: Upon its release, this literature supersedes all previously published versions.

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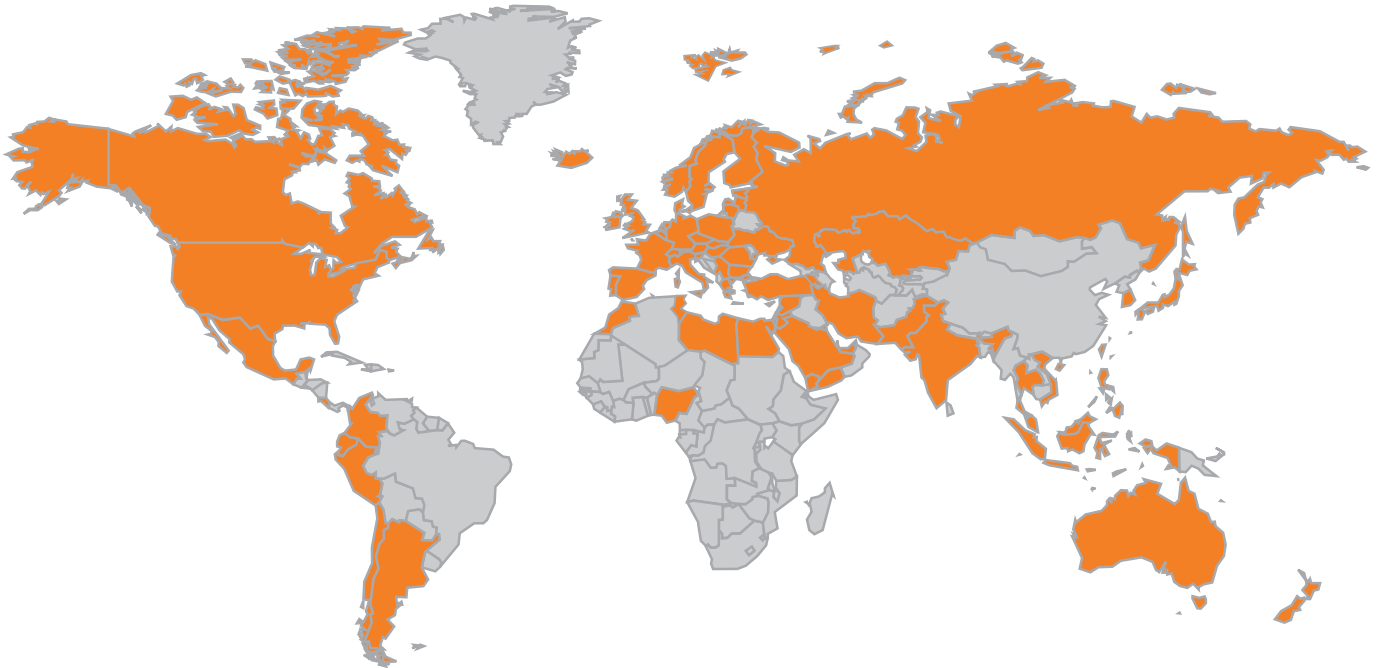
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