

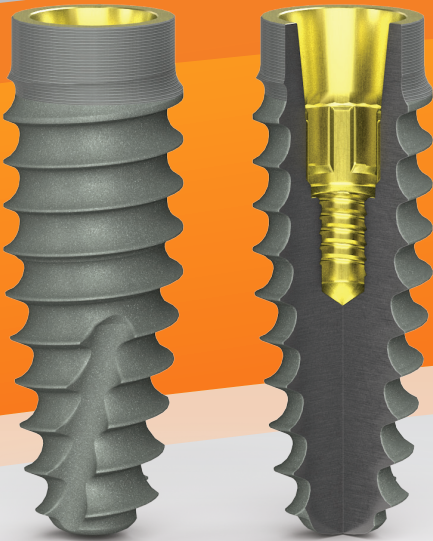


# Tapered Pro Conical

prosthetic catalog



# Tapered Pro Conical



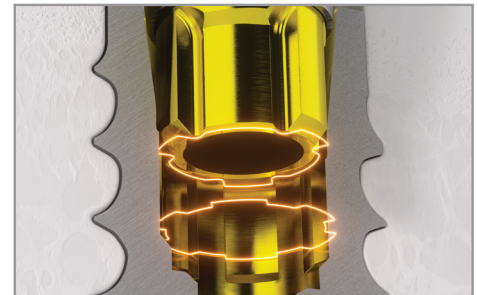
Based on the proven deep conical design from CONELOG® and the Tapered Pro body, BioHorizons Tapered Pro Conical's design features provide a predictable solution for immediate treatment. It is designed for surgical efficiency with a best-in-class conical connection.<sup>1</sup>

The implant's tapered body and aggressive thread design provide primary stability and its end-cutting, self-tapping helical cutting flutes are designed for controlled implant placement even in the most challenging sites.

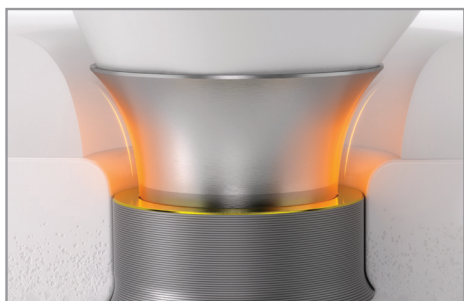
With more than 30 years of research, Tapered Pro Conical's unique Laser-Lok® microchannels create a connective tissue attachment and retain crestal bone, allowing better control of esthetic outcomes.



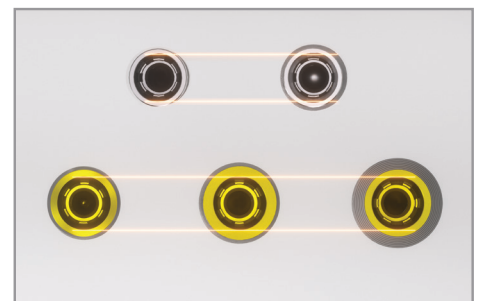
Tapered Pro Conical's connection features a long conus designed to reduce micromovements and a 7.5° angulation that is proven to provide superior positional stability in comparison to other conical systems.<sup>1</sup>



The 6-cam connection is designed for flexible abutment orientation options and simplified abutment insertion with anti-rotation capability.



The flat implant shoulder is designed to reduce vertical discrepancy by allowing restorative components to sit on the implant shoulder, preserving the conical connection for final abutments.



Uses only two prosthetic platforms to improve restorative workflow efficiency and simplify inventory management.



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## Prosthetic connection reference table

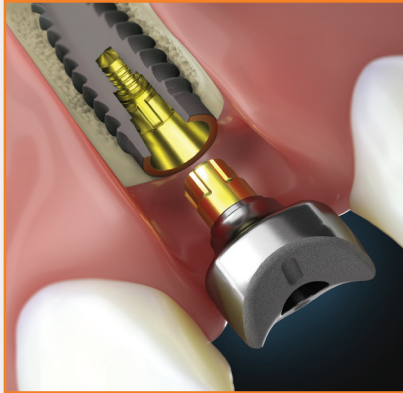


The Tapered Pro Conical system uses only two prosthetic platforms to improve restorative workflow efficiency and simplify inventory management. Please see the chart to the right to determine the correct prosthetic platform for each implant size.

Body diameter	Prosthetic platform
3.3mm	 <b>Narrow</b>
3.8mm	
4.2mm	 <b>Regular</b>
4.6mm	
5.2mm	

# SmartShape™ Healers

Anatomical healers



Designed to simplify treatment workflows and deliver superior esthetic outcomes

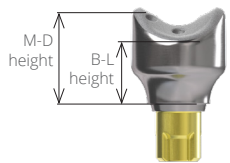
The BioHorizons SmartShape™ healing system offers an anatomically designed healing abutment solution that is also integrated with digital restorative workflows. Healers are available in different profiles that are contoured to match natural tooth shapes, providing more esthetic tissue shaping.

## SmartShape Healers

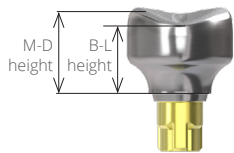
Part number	Position	Platform	M-D height	B-L height
CNSSHA1	Anterior 1	Narrow	4.75mm	3.25mm
CNSSHA1T	Anterior 1	Narrow	6.75mm	5.25mm
CRSSHA1	Anterior 1	Regular	4.75mm	3.25mm
CRSSHA1T	Anterior 1	Regular	6.75mm	5.25mm
CNSSHA2	Anterior 2	Narrow	4.75mm	3.25mm
CNSSHA2T	Anterior 2	Narrow	6.75mm	5.25mm
CRSSHA2	Anterior 2	Regular	4.75mm	3.25mm
CRSSHA2T	Anterior 2	Regular	6.75mm	5.25mm
CNSSHM1	Mid 1	Narrow	4.25mm	3.5mm
CNSSHM1T	Mid 1	Narrow	6.25mm	5.5mm
CRSSHM1	Mid 1	Regular	4.25mm	3.5mm
CRSSHM1T	Mid 1	Regular	6.25mm	5.5mm



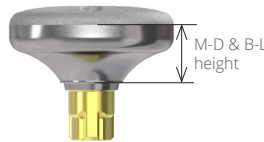
Includes blue abutment screw. Titanium alloy.  
Hand-tighten to 10-15Ncm.



**Anterior 1&2**  
Mesial Distal (M-D) and Buccal Lingual (B-L) gingival height

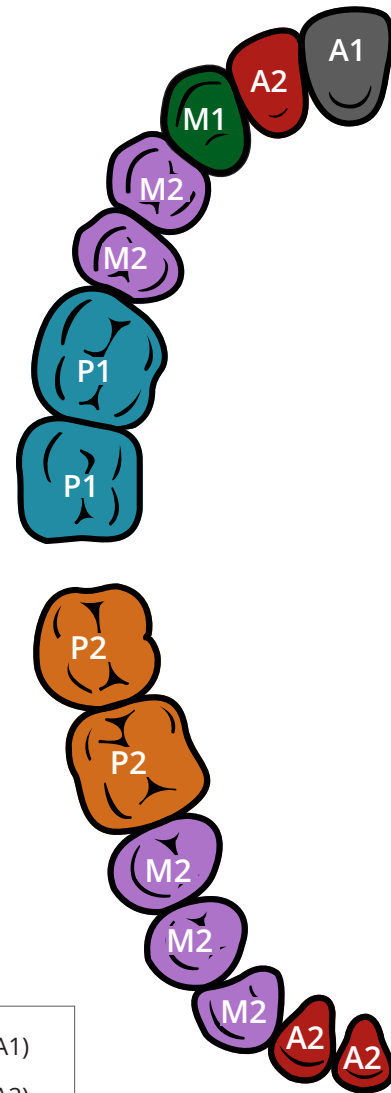


**Mid 1&2**  
Mesial Distal (M-D) and Buccal Lingual (B-L) gingival height



**Posterior 1&2**  
Mesial Distal (M-D) and Buccal Lingual (B-L) gingival height

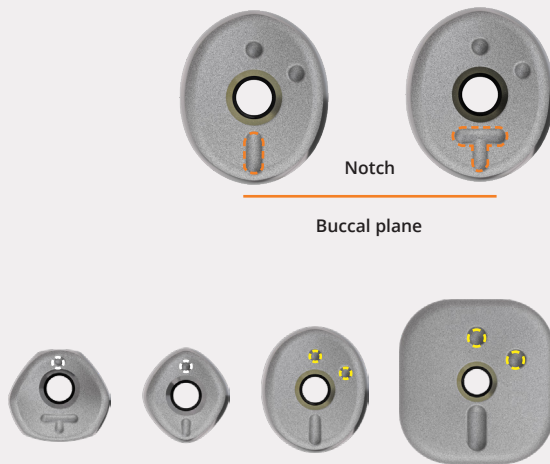
	Anterior 1 (A1)
	Anterior 2 (A2)
	Mid 1 (M1)



# SmartShape™ Healers

Anatomical healers

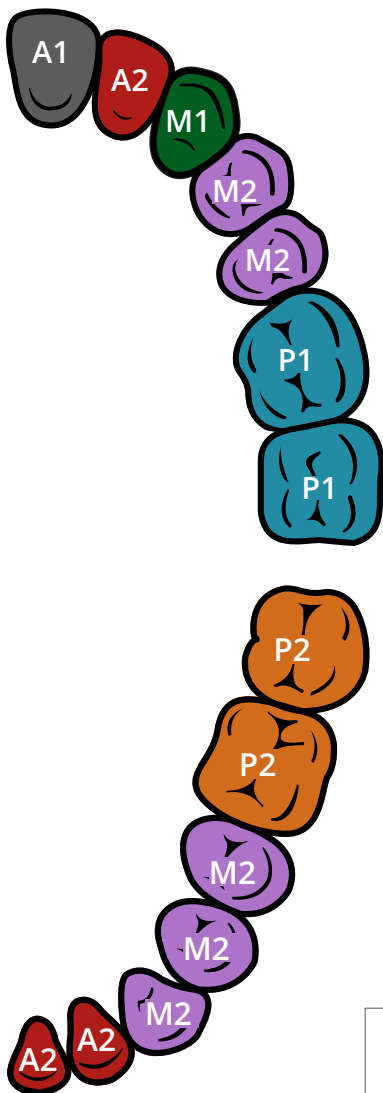
## Occlusal markings



I	Regular height
T	Tall height

The implant platform is indicated by dimples on the occlusal surface.

1 Dimple	Narrow platform	
2 Dimples	Regular platform	



## SmartShape Healers

Part number	Position	Platform	M-D height	B-L height
CNSSHM2	Mid 2	Narrow	4.25mm	3.5mm
CNSSHM2T	Mid 2	Narrow	6.25mm	5.5mm
CRSSHM2	Mid 2	Regular	4.25mm	3.5mm
CRSSHM2T	Mid 2	Regular	6.25mm	5.5mm



CRSSHP1	Posterior 1	Regular	3.5mm	3.5mm
CRSSHP1T	Posterior 1	Regular	5.0mm	5.0mm



CRSSHP2	Posterior 2	Regular	3.5mm	3.5mm
CRSSHP2T	Posterior 2	Regular	5.0mm	5.0mm



Includes blue abutment screw. Titanium alloy.  
Hand-tighten to 10-15Ncm.

	Mid 2 (M2)
	Posterior 1 (P1)
	Posterior 2 (P2)

# Cover screws & healing caps

## Healing stage

**Description:** Protects prosthetic platform in two-stage (submerged) surgical protocol for bone level implants.

### Conical Cover Screw



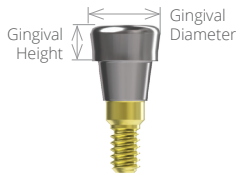
Part number	Platform
CNCC	Narrow
CRCC	Regular

Hand-tighten (10-15 Ncm) with the .050" (1.25mm) Hex Driver. Titanium alloy.

## Healing Caps

**Description:** Temporary structure placed over the dental implant to support the healing process of the surrounding tissues. Per clinician's judgment, the healing cap will remain in place during the osseointegration phase of dental implant placement.

### Regular Healing Caps



Part number	Prosthetic connection	Gingival height	Gingival diameter
CNHA2	Narrow	2.0mm	3.0mm
CNHA4		4.0mm	3.0mm
CNHA6		6.0mm	3.0mm
CRHA2	Regular	2.0mm	3.8mm
CRHA4		4.0mm	3.8mm
CRHA6		6.0mm	3.8mm

### Wide Healing Caps



CNHA4W	Narrow	4.0mm	4.8mm
CRHA4W	Regular	4.0mm	5.3mm
CRHA6W		6.0mm	5.3mm

### Extra Wide Healing Caps




CRHA4EW	Regular	4.0mm	5.8mm
CRHA6EW		6.0mm	5.8mm

Hand-tighten (10-15 Ncm) with the .050" (1.25mm) Hex Driver. Titanium alloy.

# Impression components & analogs

## Open & closed tray components




**Conical Impression Post, Open Tray**

Part number	Platform	Body type
<b>CNICO</b>	Narrow	Cylindrical
<b>CRICO</b>	Regular	Cylindrical

Part number	Platform	Body type
<b>CNICWO</b>	Narrow	Wide
<b>CRICWO</b>	Regular	Wide

Use to make an open-tray, implant-level impression. Preassembled with an impression coping screw. Titanium alloy. Hand-tighten (10-15Ncm).




**Conical Impression Post, Closed Tray**

Part number	Platform	Body type
<b>CNICC</b>	Narrow	Cylindrical
<b>CRICC</b>	Regular	Cylindrical

Part number	Platform	Body type
<b>CNICWC</b>	Narrow	Wide
<b>CRICWC</b>	Regular	Wide


Use to make a closed-tray, implant-level impression. Preassembled with an impression coping screw and an impression cap. Titanium alloy. Hand-tighten (10-15Ncm).



**Conical Impression Cap for Impression Post, Closed Tray**

Part number	Platform
<b>CNIC</b>	Narrow
<b>CRIC</b>	Regular

5 units. POM.




**Conical Implant Lab Analog**

Part number	Platform	Quantity
<b>CNILA</b>	Narrow	Single unit
<b>CRILA</b>	Regular	Single unit

<b>CNILA25</b>	Narrow	25 pack
<b>CRILA25</b>	Regular	25 pack

For printed & cast models. Titanium alloy.



**Bite Registration Caps**

Part number	Platform
<b>CNBRC</b>	Narrow
<b>CRBRC</b>	Regular

Used with the closed-tray impression copings. 5 units. POM.

# Abutment screw

## Crown & bridge restorations

### Abutment Screw



Part number	Platform	Quantity
CAS	Narrow	Single unit
	Regular	
CAS25	Narrow	25 pack
	Regular	

For definitive screw retention of abutments into the implant. M 1.6 thread. Titanium alloy. Tighten to 20Ncm.

### Abutment screws come packaged with:

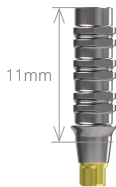
- Temporary abutments
- Gold abutments
- Esthetic abutments
- Ti blank abutments

# Temporary abutments

## Temporary crown & bridge restorations

**Description:** Use to construct a provisional restoration. This provisional restoration can be cemented on or integrated with a temporary abutment for a screw-retained prosthesis.

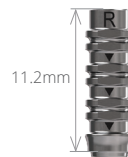
### Conical Temporary Abutment, Engaging



Part number	Platform
CNTEA	Narrow
CRTEA	Regular

Preparable. Includes abutment screw. Titanium alloy. Tighten to 20Ncm.

### Conical Temporary Abutment, Non-engaging



Part number	Platform
CNTNA	Narrow
CRTNA	Regular

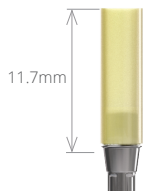
Preparable. Includes abutment screw. Titanium alloy. Tighten to 20Ncm.

# Gold abutments

## Crown & bridge restorations

**Description:** For single- or multiple-unit screw-retained or custom abutment cement-retained restorations. **Not for sale in the USA.**

### Conical Gold-plastic Abutment



Part number	Platform
CNGA	Narrow
CRGA	Regular

Includes abutment screw. Cast-on gold alloy/POM. Tighten to 20Ncm.



# Esthetic abutments

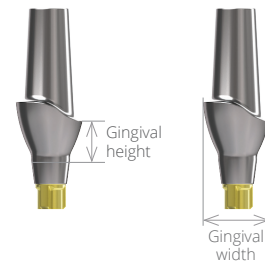
## Cemented crown & bridge restorations

**Description:** For anterior and cement-retained restoration cases, BioHorizons esthetic abutments are designed to follow the scalloped gingiva and minimize the amount of modification needed.

### Conical Straight Esthetic Abutment



Part number	Body type	Platform	Gingival height	Gingival width
CNSA2	Cylindrical	Narrow	2.0mm	3.3mm
CRSA1	Cylindrical	Regular	1.5mm	5.4mm
CRSA3	Cylindrical		3.0mm	5.4mm
CRSA1W	Wide	Regular	1.5mm	5.9mm
CRSA3W	Wide		3.0mm	5.9mm

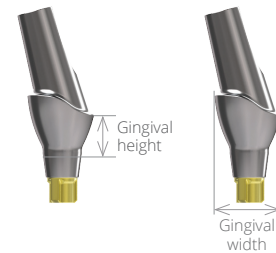


Preparable. Includes abutment screw. Titanium alloy. Tighten to 20Ncm.

### Conical 15° Esthetic Abutment



Part number	Body type	Platform	Gingival height	Gingival width
CR15A1	Cylindrical	Regular	1.5mm	5.4mm
CR15A3	Cylindrical		3.0mm	5.4mm
CR15A1W	Wide	Regular	1.5mm	5.9mm
CR15A3W	Wide		3.0mm	5.9mm

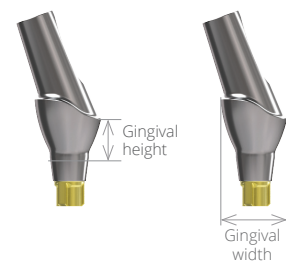


Preparable. Includes abutment screw. Titanium alloy. Tighten to 20Ncm.

### Conical 20° Esthetic Abutment



Part number	Body type	Platform	Gingival height	Gingival width
CR20A1	Cylindrical	Regular	1.5mm	5.4mm
CR20A3	Cylindrical		3.0mm	5.4mm
CR20A1W	Wide	Regular	1.5mm	5.9mm
CR20A3W	Wide		3.0mm	5.9mm



Preparable. Includes abutment screw. Titanium alloy. Tighten to 20Ncm.

# CAD/CAM abutments

## Crown, bridge & hybrid restorations

The geometries of the titanium bases CAD/CAM are available within a CAD library for leading dental CAD systems. The libraries are available for free download at: [vulcandental.com/home/downloads](http://vulcandental.com/home/downloads).

**Description:** For BioHorizons conical titanium bases, digitally designed abutments for use with Conical Ti Bases must be designed using appropriate design software (i.e., 3Shape, exocad) with appropriate library files installed. All digitally designed files are to be sent to a BioHorizons validated milling center for manufacture (i.e., Vulcan Dental for the USA).

### Conical Ti Base, Engaging, Short Post



Part number	Platform	Gingival height	Post height
CNTE0S	Narrow	0.8mm	4.7mm
CRTE0S	Regular		
CNTE2S	Narrow	2.0mm	4.7mm
CRTE2S	Regular		

Bonding base for individual CAD/CAM fabricated dental prosthesis. Includes dark purple anodized Ti base abutment screw. Titanium alloy. Tighten to 20Ncm.

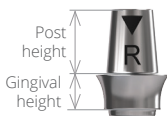
### Conical Ti Base, Engaging, Tall Post



Part number	Platform	Gingival height	Post height
CRTE0T	Regular	0.8mm	6.5mm
CRTE2T	Regular	2.0mm	6.5mm

Bonding base for individual CAD/CAM fabricated dental prosthesis. Includes dark purple anodized Ti base abutment screw. Titanium alloy. Tighten to 20Ncm.

### Conical Ti Base, Non-Engaging



Part number	Platform	Gingival height	Post height
CNTN0	Narrow	0.8mm	4.6mm
CRTN0	Regular		
CNTN2	Narrow	2.0mm	4.6mm
CRTN2	Regular		

Bonding base for individual CAD/CAM fabricated dental prosthesis. Includes dark purple anodized Ti base abutment screw. Titanium alloy. Tighten to 20Ncm.

**Description:** CEREC compatible Conical Ti Bases may be used with Sirona CAD/CAM System to fabricate an abutment with an angle up to 20° by selecting their corresponding CONELOG® Titanium Base CAD/CAM in the CEREC software. All design parameters are according to the Sirona CAD/CAM System parameters. **Not for sale in the USA.**

### Conical Ti Base, Engaging, CEREC Compatible



Part number	Platform	Gingival height	CONELOG® Titanium Base CAD/CAM in the CEREC software
CNTE0	Narrow	0.8mm	Ti Base: Camlog - CONELOG 3.3/0.8
CRTE0	Regular		Ti Base: Camlog - CONELOG 3.8/0.8
CNTE2	Narrow	2.0mm	Ti Base: Camlog - CONELOG 3.3/2.0
CRTE2	Regular		Ti Base: Camlog - CONELOG 3.8/2.0

Bonding base for individual CAD/CAM fabricated dental prosthesis. Includes dark purple anodized Ti base abutment screw. Titanium alloy. Tighten to 20Ncm.

# CAD/CAM abutments

Crown, bridge & hybrid restorations

## Conical Ti Base Abutment Screw for CAD/CAM



Part number	Platform	Quantity
CTAS	Narrow	Single unit
	Regular	
CTAS25	Narrow	25 pack
	Regular	

Dark purple anodized. M 1.6 thread.  
Titanium alloy. Tighten to 20Ncm.

## Conical Lab Screw for CAD/CAM



Part number	Platform	Quantity
CLS	Narrow	Single unit
	Regular	
CLS25	Narrow	25 pack
	Regular	

Brown partial anodized. M 1.6 thread.  
Titanium alloy. Hand-tighten (10-15 Ncm).

## Scanbody



Part number	Platform
CNTSB	Narrow
CRTSB	Regular

For optical, 3-dimensional localization of Tapered Pro Conical Implants in the mouth or Conical lab analogs in the working model. Includes abutment screw. Titanium Alloy. Hand-tighten (10-15 Ncm).

## Scan Post for CEREC® Scanbody



Part number	Platform
CNCSP	Narrow
CRCSF	Regular

For digital recording of the Conical Implant or lab analog position and for further processing in the CEREC® and inLab systems. Includes abutment screw. Titanium alloy. Hand-tighten (10-15 Ncm).

**Description:** Digitally designed abutments for use with Conical CAD/CAM Ti Blanks must be designed using appropriate design software (i.e., 3Shape, exocad) with appropriate library files installed. All digitally designed files are to be sent to a BioHorizons validated milling center for manufacture (i.e., Vulcan Dental for the USA).

## Conical CAD/CAM Ti Blank, Type IAC



Part number	Platform
CNTBI	Narrow
CRTBI	Regular

Includes abutment screw.  
Titanium alloy. Tighten to 20Ncm.

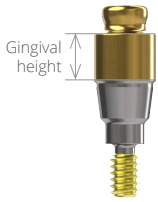
# OD Secure<sup>®</sup> abutments

## Full & partial dentures

**Description:** The OD Secure abutments are used to attach dentures and partial dentures to dental implants. With a full range of cuff heights for both platforms, the OD Secure provides attachment solutions for all types of cases. The abutment is designed for easy delivery using an .050" hex driver and is color-coded to ensure that the abutment matches the implant platform. **Not for sale in the USA.**

### Conical OD Secure Abutment

Part number	Platform	Gingival height
CNODS1	Narrow	1.0mm
CNODS2		2.0mm
CNODS3		3.0mm
CNODS4		4.0mm
CRODS1	Regular	1.0mm
CRODS2		2.0mm
CRODS3		3.0mm
CRODS4		4.0mm



The OD Secure comes packaged with the abutment, metal housing, four retentive inserts, a lab processing insert and a protection disk. Titanium alloy. TiN coated for esthetics. Tighten to 20Ncm.



**ODS-BS** Block-out Spacer  
4-pack



**ODSIC** Impression Coping  
2-pack



**ODSA** OD Secure Analog  
2-pack



**ODSCT** Cap Insert/Extractor Tool

### OD Secure Abutment Components



**ODS-CAK**

Cap Assortment Kit  
2-pack



**ODS-HCPM**

Housing Cap  
2-pack

Pink Housing Cap comes assembled with Lab Processing Insert.



**ODS-XH**

Xtend Housing Cap  
2-pack

Xtend Housing Cap assembled with Lab Processing Insert and is used to correct up to 50° of divergence.



**ODS-XPM**

Xtend Lab Processing Insert  
4-pack



**ODSRC-V**

Retention Insert (violet)  
Retention: 6lbs (Hard) 4-pack



**ODSRC-C**

Retention Insert (clear)  
Retention: 4lbs (Medium) 4-pack



**ODS-PM**

Lab Processing Insert  
4-pack



**ODSRC-P**

Retention Insert (pink)  
Retention: 2.5lbs (Soft) 4-pack



**ODSRC-Y**

Retention Insert (yellow)  
Retention: 1.5lbs (Extra Soft) 4-pack



**ODSCM**

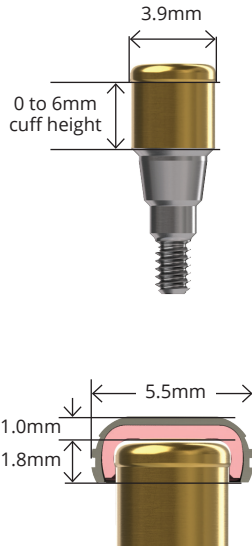
Castable Male  
2-pack

# Locator<sup>®</sup> components

## Full & partial dentures

**Description:** 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.

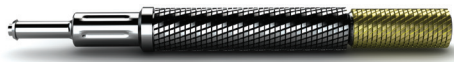
### Locator Abutments



Part number	Platform	Gingival height
02748-CB	Narrow	1.0mm
02749-CB		2.0mm
02750-CB		3.0mm
02751-CB		4.0mm
02752-CB		5.0mm
02753-CB		6.0mm
02754-CB	Regular	1.0mm
02755-CB		2.0mm
02756-CB		3.0mm
02757-CB		4.0mm
02758-CB		5.0mm
02759-CB		6.0mm

Titanium alloy. Final torque: 30Ncm.

### Locator Components



**LCT** Core Tool

Multipurpose 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.



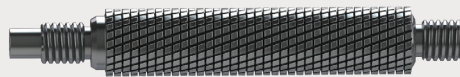
**LAHS** Locator Abutment Holder Sleeve (4-pack)

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

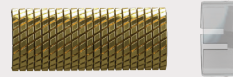
### Locator core tool instructions



**Male retention insert removal tool**  
For removing the male retention inserts from the metal housing



**Male retention insert tool**  
For placing the male retention inserts into the metal housing



**Hand driver**  
For hand-tightening the Locator abutment

**Locator Abutment Holder**  
For retaining and delivering the Locator abutment using the hand driver portion of the core tool.

# Locator<sup>®</sup> components

## Full & partial dentures



**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.

**LMPPER-2**

### Male Processing Package, Extended Range (2-pack)

Includes: (2) Denture Caps assembled with Black Processing Males; (2) White Block-out Spacers; (2) Green, (2) Orange and (2) Red Nylon Males.



**LMPPER-10**

### Male Processing Package, Extended Range (10-pack)

Includes: (10) Denture Caps assembled with Black Processing Males; (10) White Block-out Spacers; (10) Green, (10) Orange and (10) Red Nylon Males.



**LRM-G**

### Extended Range Replacement Male (green)

Retention: 4lbs, 4-pack



**LRM-C**

### Replacement Male (clear)

Retention: 5lbs, 4-pack



**LRM-O**

### Extended Range Replacement Male (orange)

Retention: 2lbs, 4-pack



**LRM-P**

### Replacement Male (pink)

Retention: 3lbs, 4-pack



**LRM-R**

### Extended Range 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

4-pack



**LFA-4MM**

### Female Analog 4mm

4-pack



**LSDT-15MM**

### Square Drive Tool (15mm length)

Use with a torque wrench to seat Locator Abutments.

**LFA-5MM**

### Female Analog 5mm

4-pack

**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

# Locator Fixed<sup>®</sup> components

## Inserts & components



**LFPP4U**

**LOCATOR FIXED Processing Pack (Green)**

For a 4-implant case. 4-pack



**LFPPAP**

**LOCATOR FIXED Processing Pack, Anterior/Posterior (Tan)**

For a 5-or-more-implant case for anterior/posterior. 4-pack



**LFPPMA**

**LOCATOR FIXED Processing Pack Mid Arch (Blue)**

For a 5-or-more-implant case for mid-arch position. 4-pack.



**LFIA-2**

**LOCATOR FIXED Insert Anterior/Posterior (Tan)**

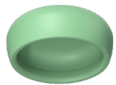
Placed in the anterior/posterior position of a 5-or-more-implant case. 2-pack



**LFIA-10**

**LOCATOR FIXED Insert Anterior/Posterior (Tan)**

Placed in the anterior/posterior position of a 5-or-more-implant case. 10-pack



**LFIA-2**

**LOCATOR FIXED Insert 4 Unit (Green)**

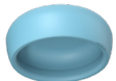
Used in 4-implant fixed, full-arch cases. 2-pack



**LFIA-10**

**LOCATOR FIXED Insert 4 Unit (Green)**

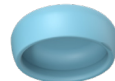
Used in 4-implant fixed, full-arch cases. 10-pack



**LFIMA-2**

**LOCATOR FIXED Insert Mid Arch (Blue)**

Placed in the mid-arch position of a 5-or-more-implant case. 2-pack



**LFIMA-10**

**LOCATOR FIXED Insert Mid Arch (Blue)**

Placed in the mid-arch position of a 5-or-more-implant case. 10-pack



**LFHA-4**

**LOCATOR FIXED Housing Assembly (4 pack)**

Same pick-up method as existing LOCATOR housings.



**LFHA-10**

**LOCATOR FIXED Housing Assembly (10 pack)**

Same pick-up method as existing LOCATOR housings.



**LSB-2**

**LOCATOR Scan Body**

2-pack

**LSB-4**

**LOCATOR Scan Body**

4-pack

**LSB-10**

**LOCATOR Scan Body**

10-pack



**LFSRT**

**LOCATOR FIXED Seating & Removal Tool**



**LFTHW**

**LOCATOR FIXED Tool 2.5mm Hex Wrench**



**LFST**

**LOCATOR FIXED Seating Tip**



**LFTTW**

**LOCATOR FIXED Tool Tip Wrench**



**LFRT**

**LOCATOR FIXED Removal Tip**



**LCTR-4**

**LOCATOR Systems Core Tool Replacement O-Rings**

4-pack



**LFRT**

**LOCATOR FIXED Optional Removal Hook Tip**



**LECT**

**LOCATOR Systems Enhanced CORE Tool**



**LFRTWL**

**LOCATOR FIXED Removal Tip Wire Loop**



**LCTC**

**LOCATOR Systems Core Tool Collet**



**LFSTC**

**LOCATOR FIXED Seating Tip Cushion**

# Multi-unit abutments

## Angled & straight abutments

**Description:** The Multi-unit Abutment is designed to rehabilitate edentulous and partially edentulous arches.

### Conical Multi-unit Straight Abutment



Part number	Platform	Gingival height
CNMUS2N	Narrow	2.0mm
CNMUS3N		3.0mm
CNMUS4N		4.0mm
CRMUS2N	Regular	2.0mm
CRMUS3N		3.0mm
CRMUS4N		4.0mm

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. Premounted with a multi-unit abutment carrier. Titanium alloy. Tighten to 20Ncm.

### Conical Multi-unit 17° Angled Abutment



Part number	Platform	Gingival height
CN17MU2	Narrow	2.0mm
CN17MU3		3.0mm
CN17MU4		4.0mm
CR17MU2	Regular	2.0mm
CR17MU3		3.0mm
CR17MU4		4.0mm

Angled Multi-unit abutments have a 60-degree offset cam arrangement, allowing a total of six rotating positions to obtain the optimal prosthetic axis. All angled multi-unit abutments are packaged with a multi-unit delivery handle and an angled multi-unit abutment screw. Titanium alloy. Tighten to 20Ncm.

### Conical Multi-unit 30° Angled Abutment



Part number	Platform	Gingival height
CN30MU2	Narrow	2.0mm
CN30MU3		3.0mm
CN30MU4		4.0mm
CR30MU2	Regular	2.0mm
CR30MU3		3.0mm
CR30MU4		4.0mm

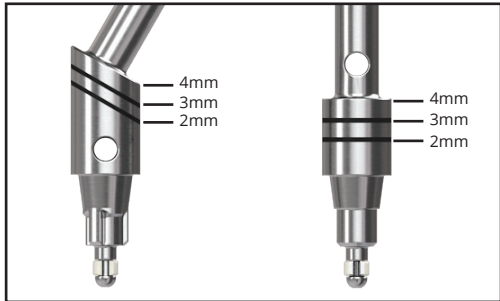
Angled Multi-unit abutments have a 60-degree offset cam arrangement, allowing a total of six rotating positions to obtain the optimal prosthetic axis. All angled multi-unit abutments are packaged with a multi-unit delivery handle and an angled multi-unit abutment screw. Titanium alloy. Tighten to 20Ncm.



# Multi-unit components

## Try-ins & screws

Multi-unit Try-in Abutments may be used to measure tissue thickness and verify proper prosthetic seating prior to final abutment seating.



### Conical Multi-unit Straight Abutment Try-in \*

Part Number Platform

CNTRYS	Narrow
CRTRYS	Regular



### Conical Multi-unit 17° Angled Abutment Try-in\*

Part Number Platform

CNTRY17	Narrow
CRTRY17	Regular



### Conical Multi-unit 30° Angled Abutment Try-in\*

Part Number Platform

CNTRY30	Narrow
CRTRY30	Regular



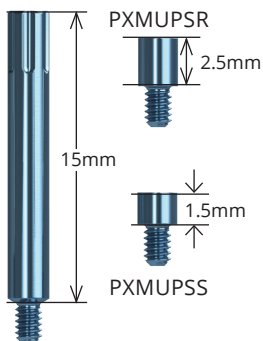
CMUAS

Conical Angled Multi-unit Abutment Screw

CMUAS25

Conical Angled Multi-unit Abutment Screw (25-Pack)

For angled Multi-unit abutments only. Titanium alloy. Final torque: 20Ncm with .050" (1.25mm) Hex Driver.



PXMUPSL

PXMUPSR

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

PXMUPSR25

Prosthetic Screw, Multi-unit, Regular (pack of 25)

PXMUPSL

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

PXMUPSS

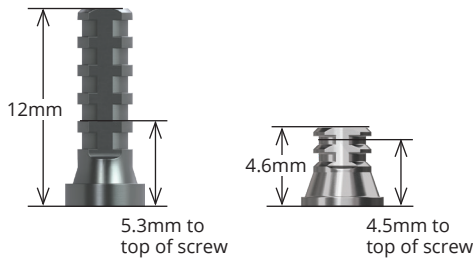
Prosthetic Screw, Multi-unit, Short (pack of 5)

For attaching copings to the Multi-unit abutments. Hand-tighten or torque to 15Ncm with .050" (1.25mm) Hex Driver or Unigrip™ screw driver. Titanium alloy. Included with copings where indicated but can also be ordered separately.

\* Instrument 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.

# Multi-unit components

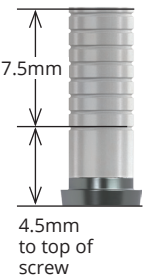
## Copings & hex adapters



<b>PXMUTC</b>
<b>PXMUTCS</b>

**Titanium Coping**  
**Titanium Coping, Short**

Use for fabricating acrylic temporary and final prostheses. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR or PXMUPSS for Short Coping). Titanium alloy. Tighten to 15Ncm.



<b>PXMUGC</b>
---------------

**Gold Custom Castable**

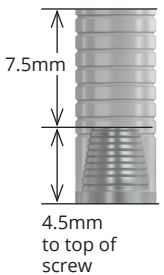
Use for fabricating metal-reinforced acrylic prostheses or bar overdentures. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Coping has a gold alloy base with acetal resin (Delrin® or Pomalux®) sleeve. Tighten to 15Ncm.



<b>PXMUPC</b>
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**Plastic Custom Castable**

Use for fabricating metal-reinforced acrylic prostheses or bar overdentures. May be trimmed for height. Packaged with prosthetic screw (PXMUPSR). Acetal resin (Delrin® or Pomalux®). Tighten to 15Ncm.



<b>PXMUPFC</b>
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**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 acetal resin (Delrin® or Pomalux®) sleeve. Tighten to 15Ncm.



<b>PXMUHAH</b>
----------------

**Handpiece Multi-unit Hex Adapter**

Use to torque straight Multi-unit abutments. Driven by latch-type handpiece. Do not exceed 20Ncm.

Handpiece



<b>PXMUHAM</b>
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**Manual Multi-unit Hex Adapter**

Use to hand-tighten straight Multi-unit abutments.

Manual



<b>PXMUHAR*</b>
-----------------

**4mm Square Multi-unit Hex Adapter**

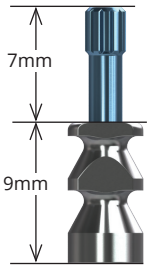
Use to torque straight Multi-unit abutments. Driven by 4mm square drive handwrench, ratchet or torque wrench. Do not exceed 20Ncm.

4mm Square

\* Instrument 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.

# Multi-unit components

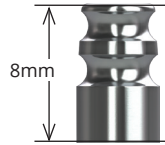
## Impression components



**PXMUDPC**

### 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. Titanium alloy. Hand-tighten (10Ncm-15 Ncm).



**PXMUIC**

### Indirect Transfer Coping, Multi-unit

Use to make an indirect transfer (closed-tray) impression at the abutment level. Titanium alloy. Hand-tighten (10Ncm-15 Ncm).



**PXMUCC**

### Cover Cap, Multi-unit

Hand-tighten with .050" (1.25mm) Hex Driver or Unigrip™ screw driver. Titanium alloy. Hand-tighten (10Ncm-15 Ncm).



**PXMUCCC**

### Multi-unit Contoured Cover Cap (pack of 2)

Flared emergence profile to suppress tissue during suturing. Hand-tighten with .050" (1.25mm) Hex Driver or Unigrip™ screw driver. PEEK body, titanium alloy screw. Hand-tighten (10Ncm-15 Ncm).



**PXMUPA**

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

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



**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.



**PXMUTSB**

### Multi-unit Titanium scan body

Use to scan and make a digital model of multi-unit analogs at the abutment level.

# Ancillary instruments

## Miscellaneous instruments



### Adjustable Torque Wrench

**BIOTORQ**

**BioHorizons Adjustable Torque Wrench**

Adjustable torque wrench designed to attach to all 4mm drivers from BioHorizons. Supplied with a dual-direction mechanism that allows for insertion and removal functions. When the desired torque is reached, (a choice of 10Ncm to 30Ncm) the torque wrench snaps to avoid overtorquing.



### Elos Adjustable Torque Wrench

**C12374**

**Elos Adjustable Torque Wrench**

**C8521**

**Elos Replacement Bit, 4mm Square**

**C8381**

**Elos Replacement Bit, Handpiece**

Lightweight titanium design is easy to use as a ratchet or adjustable torque wrench with visual indicators for 15, 30, 40, 50, 60, 70, 80 and 90Ncm. Comes packaged with a 4mm square adaptor. Quickly disassembles for cleaning. No calibration required.



### ITL Adjustable Torque Wrench

**ATW**

**ITL Precise Adjustable Torque Wrench**

Place implants and abutments with nine distinct torque settings (15, 20, 25, 30, 35, 40, 45, 50 and 60Ncm). A simple twist of the handle locks in precision-engineered torque values and guarantees accuracy and repeatability. Fits any 4mm square component.



### Prosthetic Kit

**PROS3000**

**Enhanced Prosthetic Instrumentation Kit**

Includes:

- .050" (1.25mm) Manual Hex Driver
- .050" (1.25mm) Manual Hex Driver, Long
- .050" (1.25mm) Handpiece Hex Driver
- .050" (1.25mm) Handpiece Hex Driver, Long
- .050" (1.25mm) 4mm Square Hex Driver
- .050" (1.25mm) 4mm Square Hex Driver, Long
- Hand Wrench
- 4mm Square Drive Extender
- 4mm Square Multi-unit Hex Adapter
- 12 Try-in Abutment Slots
- 8 Optional Instrument Slots
- Space for Torque Wrenches & AS123 Hand Unit

Multi-unit Try-in Abutments, 300-100 and ATW are sold separately.



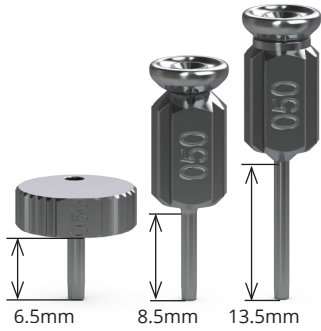
### Prosthetic Tray

**PROS1500**

**Prosthetic Tray, Small**

# Restorative instruments

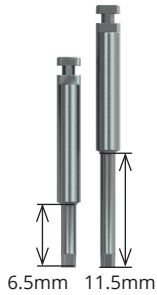
## Hex drivers



### .050" (1.25mm) Manual Hex Drivers

135-251	Manual Hex Driver, Short
135-351	Manual Hex Driver
135-451	Manual Hex Driver, Long

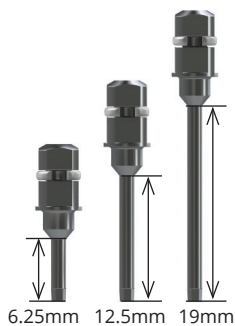
For installation and removal of cover screws, healing caps and abutment screws.



### .050" (1.25mm) Handpiece Hex Drivers

134-350	Handpiece Hex Driver
134-450	Handpiece Hex Driver, Long

For installation and removal of cover screws, healing caps and abutment screws. The handpiece hex drivers are used with latch-type contra-angle handpieces. The Handpiece Hex Driver, Long (134-450) is 5mm longer than the standard version (134-350).



### .050" (1.25mm) Ratchet/Wrench Hex Drivers\*

300-350	4mm Square Hex Driver
300-351	4mm Square Hex Driver, Long
300-354	4mm Square Hex Driver, Extra Long

For installation and removal of cover screws, healing caps and abutment screws.

\* Instrument 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.

# Restorative instruments

## Miscellaneous instruments



### Disconnector for Abutments\*

<b>CDTS</b>	Disconnector For Abutments, Short
<b>CDTL</b>	Disconnector For Abutments, Long

For removal of conical abutments from implants. Stainless steel.



### Conical Ballpoint Drivers

<b>CBDHS</b>	Conical Ballpoint Driver, Handpiece, Short
<b>CBDHL</b>	Conical Ballpoint Driver, Handpiece, Long
<b>CBDRS*</b>	Conical Ballpoint Driver, Ratchet, Short
<b>CBDRL*</b>	Conical Ballpoint Driver, Ratchet, Long

Used with engaging titanium bases for angled screw channels.



<b>CAIT</b>	Conical Analog Insertion Tool
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<b>CBA</b>	Conical Block-out Screw
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Used to prevent cement from blocking the screw channel access during the bonding of the restoration to the titanium base.

\* Instrument 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.

# Ordering & warranty information

Territory Manager: \_\_\_\_\_

Cellphone: \_\_\_\_\_

Email and/or fax: \_\_\_\_\_

**BioHorizons Lifetime Warranty on Implants and Prosthetics for Clinicians:** 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 surgical drills, taps and other surgical and restorative instruments.

**(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.<sup>2</sup>

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

**Return Policy:** Product returns require a Return Authorization Form, which may be acquired by contacting Customer Care. The completed Return Authorization Form must 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.

**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.

**Availability:** Not all products shown or described in this literature are available in all countries. BioHorizons continually strives to improve its products and therefore reserves the right to improve, modify, change specifications or discontinue products at any time.

Any images depicted in this literature are not to scale, nor are all products depicted. Product descriptions have been modified for presentation purposes. For complete product descriptions and additional information, visit [store.biohorizons.com](http://store.biohorizons.com).

## References

1. Semper-Hogg, W et al. Analytical and experimental position stability of the abutment in different dental implant systems with a conical implant-abutment connection. *Clinical Oral Investigation* (2013) 17: 1017.
2. 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. R30003b

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