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BioHorizons is one of the fastest growing companies in the dental implant industry. Our comprehensive portfolio of dental implants and biologics products is evidence-based and scientifically-proven. From the launch of the External implant system (Maestro) in 1997, to the introduction of the Tapered Internal implant incorporating Laser-Lok® technology in 2007, BioHorizons has continued to provide clinicians unique products supported by university-based research.

**SCIENCE**
BioHorizons is known for using science and innovation to create unique products with proven surgical and esthetic results.

**INNOVATION**
Our highly advanced implant technologies, biologic products and computer guided surgery software have placed BioHorizons at the forefront of implant dentistry.

**SERVICE**
BioHorizons understands the importance of providing excellent service. Our global network of professional representatives and our highly trained customer care support team are well-equipped to meet the needs of patients and clinicians.

99.2% documented implant success rate¹

Global leader for biologic based solutions

Products sold in over 70 countries

199.2% documented implant success rate¹
Laser-Lok Technology

In vitro research
Cellular activity was studied on a variety of surface finishes including smooth, roughened and specifically engineered microgeometries. The engineered microgeometries were designed in a variety of repeating patterns and in a number of different sizes. Through various cell model designs, it was shown that a linear grooved pattern in the range of 8 to 12 microns was optimal for inhibiting cell growth, maximizing cellular contact guidance and providing a directed tissue response.

In vivo validation
A series of animal studies (rabbit and canine) were conducted in both an implantable chamber model (intended to assess biologic response) and a dental model to assess the differences in tissue response to an engineered microgeometry versus other commonly used surfaces. Through these studies, it was shown that a microchannel pattern of 8 to 12 microns improved soft tissue integration, controlled cell ingrowth, increased bone and tissue attachment and reduced bone loss.

Laser-Lok microchannels are a series of precision-engineered, cell-sized channels laser-etched onto the collar of BioHorizons dental implants. This patented surface is unique within the industry as the only surface treatment shown to achieve connective tissue attachment as well as attach and retain both hard and soft tissue.

Laser-Lok microchannels are the result of over 15 years of research and documented studies at leading universities. As part of the research, numerous in vitro, animal and human studies were conducted to (1) understand how bone and soft tissue cells react to various types of surface geometries and (2) evaluate how specific surface microgeometries affect crestal bone and the biologic width around dental implants.

Microchannels viewed using scanning electron microscopy (SEM) at 1000X

Human bronchial epithelial cell colony on smooth and microchannel surfaces

Laser-Lok development timeline
**Clinical evidence**

To evaluate how dental implants treated with the Laser-Lok microchannels benefit patients, a series of human histologic case studies and prospective controlled studies have been conducted. In a prospective, controlled multi-center study conducted by the Group for Implant Research in Italy, it was shown, at 37 months post-op, the mean crestal bone loss for implants with Laser-Lok microchannels was only 0.59mm versus 1.94mm for non Laser-Lok implants. The Laser-Lok treated implants formed a stable soft-tissue seal above the crestal bone.9

In another study, SEM analysis and human histology revealed Laser-Lok can produce connective tissue attachment which appears to be instrumental in preserving the alveolar bone crest and inhibiting apical migration of the epithelium.10 A prospective, double-blind case series was also conducted where two Laser-Lok implants and two Nobel Replace Select implants were placed in the anterior mandible of 15 patients. One of each type was loaded with an overdenture and one of each type remained unloaded. At one year, Laser-Lok implants had smaller pocket depths and improved crestal bone maintenance (both statistically significant) regardless of whether the implants were loaded or unloaded.11
Launched in 2004, the Internal implant quickly became BioHorizons’ most popular implant design as many dentists shifted their preference towards internal connections. With the same basic shape and thread design as the External, the Internal leverages all of the External’s science and research to assure clinicians achieve successful outcomes.

- Unique biomechanical thread design maximizes implant surface area
- Most widely used internal connection in implant dentistry
- Laser-Lok collar† with RBT body
- 3 platform diameters: 3.5mm, 4.5mm & 5.7mm
- 4 lengths: 9mm, 10.5mm, 12mm, 15mm

† Laser-Lok design patent #6,454,569 and 6,419,491

Supported by a comprehensive line of internally hexed prosthetics.
The Single-stage implant exceeds the expectations of clinicians who have used other "soft-tissue level" implants. Unlike similar implants designs, the Single-stage implant features the BioHorizons power thread with its maximum surface area to support the high occlusal forces often seen in the posterior. This gives dentists confidence that their placements will remain secure long-term even with limited ridge height and poor bone quality.

- **Power thread provides up to 154% greater surface area**
- **Laser-Lok collar† with RBT body**
- **3 platform diameters: 3.5mm, 4.5mm & 5.7mm**
- **5 lengths: 7mm, 9mm, 10.5mm, 12mm, 15mm**

† Laser-Lok design patent #6,454,569 and 6,419,491
All internal implants come packaged with a 3inOne abutment, surgical cover cap, and abutment screw.

### Surface Treatment Configurations:
- **RBT with Laser-Lok**
- **Resorbable Blast Texturing (RBT)**
- **Hydroxylapatite (HA)**

<table>
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<th><strong>3.5mm Implants</strong></th>
<th><strong>Body Diameter x Length</strong></th>
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**Surgical Cover Cap**

- **PYCC** 3.5mm Cover Cap
- **PGCC** 4.5mm Cover Cap
- **PBCC** 5.7mm Cover Cap

For use during submerged surgical healing. Hand-tighten with the .050” (1.25mm) Hex Driver.

Titanium Alloy [Ti-6Al-4V]. A surgical cover cap is included with each implant but can also be ordered separately.

---

Not all products are available in all markets.
# SINGLE-STAGE IMPLANTS

All Single-stage implants come packaged with a 2mm healing abutment.

<table>
<thead>
<tr>
<th>Implant Body</th>
<th>Prosthetic Platform</th>
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<th>Surface Treatment</th>
<th>RBT with Laser-Lok</th>
<th>HA surface treatment</th>
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All Single-stage implants come packaged with a 2mm healing abutment. All Single-stage implants come packaged with a 2mm healing abutment.

**Surface Treatment Configuration:**
- RBT with Laser-Lok
- HA surface treatment

Shop online at www.biohorizons.com
Virtual Implant Placement (VIP)

VIP treatment planning software was developed by a team of clinicians with the goal of providing a user friendly, virtual treatment planning solution that reduces clinical challenges and enhances postoperative outcomes both clinically and esthetically.

• Interactive 2D and 3D treatment planning
• Open platform implant compatibility
• Includes DICOM converter for immediate file conversion
• Practice building tool providing improved communication between clinician and patient
• Increased communication through VIP case viewer (download from BioHorizons website)
**Internal / Single-stage Surgical Kit**

Includes all instruments shown on pages 9-11 except where indicated.

**SST**
Internal / Single-stage Tray & Lid without instruments

### Individual Components

- **122-103**
  2.0mm Starter Drill

- **122-100**
  Drill Extender (adds 16mm to length of drill)

- **122-12507**
  2.5 x 7mm Depth Drill

- **122-12509**
  2.5 x 9mm Depth Drill

- **122-125105**
  2.5 x 10.5mm Depth Drill

- **122-12512**
  2.5 x 12mm Depth Drill

- **122-12515**
  2.5 x 15mm Depth Drill

- **122-225**
  2.5mm Depth Drill (without Depth Stop)

- **122-230**
  3.0mm Width Increasing Drill

- **122-232**
  3.4mm Width Increasing Drill

- **122-237**
  3.9mm Width Increasing Drill

- **122-242**
  4.4mm Width Increasing Drill

- **122-247**
  4.9mm Width Increasing Drill

- **122-252**
  5.4mm Width Increasing Drill
**Individual Components**

**PT35**  
Internal / Single-stage 3.5mm Bone Tap

**PT40**  
Internal / Single-stage 4.0mm Bone Tap

**PT50**  
Internal / Single-stage 5.0mm Bone Tap

**PT60**  
Internal / Single-stage 6.0mm Bone Tap

**PCBD35**  
Internal 3.5mm Crestal Bone Drill

**PCBD40**  
Internal 4.0mm Crestal Bone Drill

**PCBD50**  
Internal 5.0mm Crestal Bone Drill

**PCBD60**  
Internal 6.0mm Crestal Bone Drill

**SYGIDR**  
3.5/4.5mm Implant-level Driver, Ratchet*

**SBIDR**  
5.7mm Implant-level Driver, Ratchet*

**SYGIDH**  
3.5/4.5mm Implant-level Driver, Handpiece*

**SBIDH**  
5.7mm Implant-level Driver, Handpiece*

**144-100**  
Straight Parallel Pins (2 per kit)

**144-200**  
20° Angled Parallel Pins (2 per kit)

**PHA**  
Abutment-level Driver, Handpiece*

**PRA**  
Abutment-level Driver, Ratchet*

---

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

Shop online at www.biohorizons.com
SURGICAL INSTRUMENTS

Individual Components

130-000
Ratchet

144-300
Implant Spacer / Depth Probe

135-351
.050" (1.25mm) Hex Driver

300-400
Hand Wrench*

300-206
4mm Square Drive Extender*
replaces 300-205 starting June 2010

Additional Kit Components

SYCD35
Single-stage 3.5mm Counter-sink Drill, 3.5mm platform

SYCD40
Single-stage 4.0mm Counter-sink Drill, 3.5mm platform

SGCD40
Single-stage 4.0mm Counter-sink Drill, 4.5mm platform

SGCD50
Single-stage 5.0mm Counter-sink Drill, 4.5mm platform

SBCD50
Single-stage 5.0mm Counter-sink Drill, 5.7mm platform

SBCD60
Single-stage 6.0mm Counter-sink Drill, 5.7mm platform

Sold separately; not included in the 122-800 surgical kit.

SYSTA
Simple Solutions 3.5mm Surgical Trial Abutment (2 per kit)

SGSTA
Simple Solutions 4.5mm Surgical Trial Abutment (2 per kit)

SBSTA
Simple Solutions 5.7mm Surgical Trial Abutment (2 per kit)

Sold separately; not included in the 122-800 surgical kit.

*Instrument o-rings wear out over time. If an instrument is no longer held securely by its associated driver, order a replacement o-ring through Customer Care.
Extended Shank Drills have the same depth marks and cutting geometry as our standard drills, but add 8mm of length to the shank.

**Extended Shank Drills**

- **122-430**: 3.0mm Width Increasing Drill, Extended Shank
- **122-432**: 3.4mm Width Increasing Drill, Extended Shank
- **122-437**: 3.9mm Width Increasing Drill, Extended Shank
- **122-442**: 4.4mm Width Increasing Drill, Extended Shank
- **122-447**: 4.9mm Width Increasing Drill, Extended Shank
- **122-452**: 5.4mm Width Increasing Drill, Extended Shank

Extended Shank Drills have the same depth marks and cutting geometry as our standard drills, but add 8mm of length to the shank.

**Burs**

- **122-110**: Ø2.0mm Lindemann Bone Cutter
  
  Side-cutting drill used to correct eccentric osteotomy preparations.

- **122-106**: #6 Round Bur

**Handpiece Hex Drivers**

- **134-350**: .050" (1.25mm) Handpiece Hex Driver
- **134-450**: .050" (1.25mm) Handpiece Hex Driver, Long

For installation and removal of Cover Screws, Healing Abutments 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).
ANCILLARY INSTRUMENTS

**150-000 Surgical Driver**

Used to drive implants into the osteotomy, particularly in the anterior region. The driver holds the Abutment-level Driver, Ratchet which interfaces with the 3inOne Abutment. Also interfaces with the .050" (1.25mm) Hex Drivers as well as Bone Taps and the Implant-level Drivers, Ratchet.

**ATW ITL Precise Adjustable Torque Wrench**

Ratchet design places 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.

**PADHH Internal Abutment-level Driver, Hex-chuck Handpiece** *

Abutment-level Driver (alternative to PHA, page 10) with an integrated hex-chuck that when used with compatible W&H Hexagon Chucking System Handpieces (see page 17) prevents deformation of the ISO shank latch connection in high-torque applications.

**PYTP 3.5mm Tissue Punch**

**PGTP 4.5mm Tissue Punch**

**PBTP 5.7mm Tissue Punch**

Tissue Punches are used in a latch-type handpiece to remove the soft tissue from the crest of the ridge prior to osteotomy preparation in a flapless surgical procedure. Available in 3 platform diameters.

**PYBP 3.5mm Bone Profiling Bur & Guide**

**PGBP 4.5mm Bone Profiling Bur & Guide**

**PBBP 5.7mm Bone Profiling Bur & Guide**

Used at implant uncoverly to contour crestal bone for abutments when the implant is subcrestal. For use in latch-type reduction handpieces. The Profiler’s internal geometry matches the geometry of the included Profiler Guide. The Guide is screwed into the implant and then aligns the Profiler for precise removal of tissue surrounding the platform. Comes in three sizes corresponding to the three internal prosthetic platforms.

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

shop online at www.biohorizons.com
Related Literature

L0116 Internal & Single-stage Surgical Kit Wall Chart

L0117 Internal & Single-stage Depth Mark and Drill Sequence Chart

ML0117 Internal / Single-stage Surgical Manual

ML0118 Internal Prosthetic Technique Manual

ML0142 Simple Solutions Prosthetic Technique Manual

L0114 Internal Radiographic Implant Template (overlay)
Designed to aid the clinician in the preoperative determination of options for implant length and diameter. The clear overlay template shows all sizes of BioHorizons Internal implants in 100% and 125% scale.

L0119 Single-stage Radiographic Implant Template (overlay)
Designed to aid the clinician in the preoperative determination of options for implant length and diameter. The clear overlay template shows all sizes of BioHorizons Single-stage implants in 100% and 125% scale.
**Patient Education Materials**

**ML0103**  
Patient Education – Tooth replacement with dental implants

**ML0114**  
Patient Education – Stabilizing dentures using dental implants

**ML0129**  
Patient Education – Rebuilding and maintaining bone

**MLD101**  
Patient Education – Soft tissue grafting with AlloDerm

**ML0131**  
Patient Education – Dental Implants - the tooth replacement solution  
This high-quality flipbook helps the implant candidate understand the rationale and the advantages of implant therapy compared to traditional treatment methods. 9”x6” (23cm x 16cm).

**P4XIM**  
Internal 4x Patient Education Model  
This 4-times scale model includes the Implant, Abutment, Abutment Screw, Ball-top Screw, Healing Abutment, Cover Cap, Implant Driver and Hex Driver. Excellent for demonstrating implant components to the patient. Call for availability.

**S4XIM**  
Single-stage 4x Patient Education Model  
This 4-times scale model includes the Implant, Simple Solutions Abutment, Abutment Screw, Healing Abutment, Healing Cap, Waxing Sleeves, Implant Driver and Hex Driver. Excellent for demonstrating implant components to the patient. Call for availability.

**MPSA**  
Five Implant Acrylic Model  
This life-sized model allows the clinician to illustrate implant placement of BioHorizons implants. Clear acrylic allows the implants to be viewed in relation to adjacent teeth. Call for availability.

**EP-MSLA**  
Single-stage/Locator Patient Education Model  
This life-sized model allows the clinician to illustrate a denture on an edentulous mandible supported by 2 implants with Locator abutments. Clear acrylic allows the implants to be viewed in relation to the denture. Call for availability.

**MOSM**  
Overdenture Patient Education Model  
Designed to aid the clinician in educating patients on the Overdenture System. Features four Overdenture implants in a clear acrylic mandible and a lower denture with the incorporated attachment housings.

**SAMPLE PG4012**  
Sample Internal Implant

**SAMPLE SG4012**  
Sample Single-stage Implant  
These sample implants are good for implant demonstrations and sawbones labs. These sample implants are fully anodized and are not for human use. Available in 4.0 x 12mm.
**W&H ImplantMed 915**

Maximum motor speed is 40,000 rpm. The kit includes the WI-75 E/KM 20:1 handpiece, bur testing gauge, (3) disposable irrigation assemblies, and service oil (shipped separately).

<table>
<thead>
<tr>
<th>WH-915</th>
<th>W&amp;H ImplantMed 915 Starter Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH-ITC915</td>
<td>WH-915 One-piece Disposable Irrigation Set (6 pack)</td>
</tr>
<tr>
<td>WH-915MC</td>
<td>ImplantMed 915 Motor Cable - 1.8 meter</td>
</tr>
<tr>
<td>WH-IC</td>
<td>Irrigation Clip for WI-75MB Handpiece</td>
</tr>
</tbody>
</table>

**W&H ElcoMed SA-200**

Maximum motor speed is 50,000 rpm. The SA-200 permits the storage of torque characteristics of a treatment stage, which can then be saved on a DOC card for archiving purposes. The kit includes the WS-75 20:1 handpiece, (10) disposable spray tubes, bur testing gauge, irrigation spike and service oil (shipped separately).

<table>
<thead>
<tr>
<th>WH 200</th>
<th>W&amp;H ElcoMed SA-200 Professional Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH-200PTWC</td>
<td>Pump Tube (190mm) with Connectors</td>
</tr>
<tr>
<td>WH-200RPT (3 PK)</td>
<td>Replacement Pump Tubes (190mm) (3 pack)</td>
</tr>
<tr>
<td>WH-200INI</td>
<td>INI Cards (3 pack)</td>
</tr>
<tr>
<td>WH-200DOC</td>
<td>DOC Cards (3 pack)</td>
</tr>
<tr>
<td>WH-200MC</td>
<td>ElcoMed 200 Motor Cable - 1.8 meter</td>
</tr>
</tbody>
</table>

**Universal and Legacy Re-order Items**

<table>
<thead>
<tr>
<th>Ref. Code</th>
<th>Description</th>
<th>Motor Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH-5T (10 PK)</td>
<td>Green Single-Use Spray Tubes (10 pack)</td>
<td>All W&amp;H Motors</td>
</tr>
<tr>
<td>WH-CLP (10 PK)</td>
<td>Set of Spray Tube Clamps (10 pack)</td>
<td>ElcoMed 100 &amp; 200</td>
</tr>
<tr>
<td>WH-100PTWC</td>
<td>Pump Tube with Connectors (65mm)</td>
<td>ElcoMed 100</td>
</tr>
<tr>
<td>WH-100RPT (5 PK)</td>
<td>Replacement Pump Tubes (65mm) (5 pack)</td>
<td>ElcoMed 100</td>
</tr>
<tr>
<td>WH-100MC</td>
<td>ElcoMed 100 Motor Cable - 1.8 meter</td>
<td>ElcoMed 100</td>
</tr>
<tr>
<td>WH-110MC</td>
<td>ImplantMed 110 Motor Cable - 1.8 meter</td>
<td>ImplantMed 110</td>
</tr>
<tr>
<td>WH-110CLP (5 PK)</td>
<td>Set of Spray Tube Clamps (5 pack)</td>
<td>ImplantMed 110 &amp; 915</td>
</tr>
<tr>
<td>WH-110PTWC</td>
<td>Pump Tube (85mm) with Connectors</td>
<td>ImplantMed 110 &amp; 915</td>
</tr>
<tr>
<td>WH-110RPT</td>
<td>Replacement Pump Tubes (85mm) (3 pack)</td>
<td>ImplantMed 110 &amp; 915</td>
</tr>
<tr>
<td>WH-110SAWRRC</td>
<td>Irrigation Spike Assembly with Roller Clamp</td>
<td>ImplantMed 110 &amp; 915</td>
</tr>
<tr>
<td>WH-110RC</td>
<td>Flow Regulating Roller Clamp</td>
<td>ImplantMed 110 &amp; 915</td>
</tr>
<tr>
<td>WH-ISA</td>
<td>Irrigation Spike Assembly (autoclavable)</td>
<td>All W&amp;H Motors</td>
</tr>
<tr>
<td>WH-ITWOS</td>
<td>Irrigation Tubing w/o Spike (autoclavable)</td>
<td>All W&amp;H Motors</td>
</tr>
<tr>
<td>WH-MD400</td>
<td>MD-400 Service Oil-F1</td>
<td>All W&amp;H Motors</td>
</tr>
<tr>
<td>WH-OSC</td>
<td>Oil Spray Cap</td>
<td>All W&amp;H Motors</td>
</tr>
<tr>
<td>WH-SP</td>
<td>Sterilization Plug for Motor Cable</td>
<td>All W&amp;H Motors</td>
</tr>
</tbody>
</table>

*shop online at www.biohorizons.com*
Used to verify the condition of latch-type burs. Burs in proper condition will fit into larger diameter hole, but will not fit into the smaller hole (marked red). Burs that fail either of these criteria are unfit for use, and may cause damage to the handpiece if used.

**IMPORTANT NOTE** W&H motors and handpieces are distinguished by their precision craftsmanship and reliability and are covered by a 1-year manufacturer’s warranty. Instructions for required cleaning and maintenance are outlined in each product’s user manual, and adherence to these procedures is essential for proper function and longevity of the products. BioHorizons assumes no liability for the failure of, or damage to, motors and handpieces that are not properly maintained or used contrary to the instructions for use. Please contact your Product Support Specialist or Customer Care if you need additional information.

**W&H MOTORS AND ACCESSORIES**

**W&H ElcoMed Surgical Handpieces**

**WS-75**

**W&H 20:1 Contra-angle Handpiece WS-75 E/KM**
Surgical Contra-angle 20:1 handpiece with Hexagon Chucking System and removable spray clip. Equipped with internal cooling system and external spray. Contra-angled shank for Ø2.35mm surgical burs and cutters. Can be completely dismantled for comprehensive hygiene.

**WI-75MB**

**W&H 20:1 Contra-angle Handpiece WI-75 E/KM**
Implantology Contra-angle 20:1 handpiece with Hexagon Chucking System and removable spray clip. Equipped with internal cooling system and external spray. Contra-angled shank for Ø2.35mm surgical burs and cutters.

**WS-92**

**W&H 1:2.7 Contra-angle Speed Increasing Handpiece**
Contra-angle 1:2.7 handpiece with external triple spray port. Friction-grip shank for Ø1.6mm surgical burs and cutters.

**S-11**

**W&H 1:1 Straight Surgical Handpiece**
Straight Surgical 1:1 handpiece with external spray and lever chuck (drive speed max. 30,000 rpm). Uses Ø2.35mm, 45mm long surgical burs and cutters.

**S-12**

**W&H 1:2 Contra-angle Surgical Handpiece, slim**
Contra-angle 1:2 handpiece with external spray and lever chuck (drive speed max. 40,000 rpm). Uses Ø2.35mm, 70mm long surgical burs and cutters.

**WH-BTG**

**Bur Testing Gauge**

Use to verify the condition of latch-type burs. Burs in proper condition will fit into larger diameter hole, but will not fit into the smaller hole (marked red). Burs that fail either of these criteria are unfit for use, and may cause damage to the handpiece if used.
Cement-retained

Custom fabricated abutments

Provisional Restorations

Titanium Base for Custom Milled Abutments & Custom Castable Abutments

Internal - page 24
Single-stage - page 36

Temporary Abutments

Internal & Single-stage
page 25

Simple Solutions Cement-retained

Simple Solutions Abutments

Internal - page 28
Single-stage - page 36

Abutments

Internal - pages 22-23
Single-stage - page 36

Abutment for Screw level Cast Bar or Hybrid (Fixed-detachable)

Custom Castable Abutments, Non-hexed

Internal - page 24
Single-stage - page 36

Implant-level Laser Welded Bar

Direct Pick-up Coping, Non-hexed
Titanium Abutment for Laser Weld

Internal - page 27
Single-stage - page 36

Abutment for Screw level Cast Bar or Hybrid (Fixed-detachable)

Abutments for Screw
Internal & Single-stage
pages 34-35

Abutment-retained Overdenture, Tissue-supported

Locator Abutments
Internal & Single-stage
pages 30-31

Ball Abutments
Internal & Single-stage
pages 32-33

REMOVABLE AND HYBRID PROSTHETICS OVERVIEW

IMPLANT-LEVEL FIXED PROSTHETICS OVERVIEW
# Impression Components for Implant-Level Restorations

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<th>Component</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
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<td>Simple Solutions SnapCap Pick-up</td>
<td>Internal - page 21, Single-stage - page 21</td>
</tr>
<tr>
<td>Implant-level Closed-tray Transfer</td>
<td>Internal - page 26</td>
</tr>
<tr>
<td>Implant-level Open-tray Pick-up</td>
<td>Internal - pages 26-27, Single-stage - page 37</td>
</tr>
<tr>
<td>Direct Abutment Impression (Crown &amp; Bridge-type)</td>
<td>Internal - pages 22-23, Single-stage - page 36</td>
</tr>
</tbody>
</table>

## Impression Components for Abutment-Level Restorations

<table>
<thead>
<tr>
<th>Component</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abutment for Screw-level Closed-tray Transfer</td>
<td>Internal &amp; Single-stage page 35</td>
</tr>
<tr>
<td>Abutment for Screw-level Open-tray Pick-up</td>
<td>Internal &amp; Single-stage page 35</td>
</tr>
<tr>
<td>Abutment for Screw-level Indirect Transfer Copings</td>
<td>Internal &amp; Single-stage page 35</td>
</tr>
<tr>
<td>Abutments for cement-retention</td>
<td>Internal - pages 22-23, Single-stage - page 36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abutment for Screw-level Direct Pick-up Copings</td>
<td>Internal &amp; Single-stage page 35</td>
</tr>
<tr>
<td>Locator Abutment Closed-tray Pick-up</td>
<td>Internal &amp; Single-stage pages 30-31</td>
</tr>
<tr>
<td>Ball Abutment Closed-tray Transfer</td>
<td>Internal &amp; Single-stage pages 32-33</td>
</tr>
</tbody>
</table>

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**Shop online at [www.biohorizons.com](http://www.biohorizons.com)**
**Internal Regular Emergence Healing Abutments**

<table>
<thead>
<tr>
<th>Prosthetic platform</th>
<th>3mm high</th>
<th>5mm high</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm Regular Healing Abutment</td>
<td>PYRHA3</td>
<td>PYRHA5</td>
</tr>
<tr>
<td>4.5mm Regular Healing Abutment</td>
<td>PGRHA3</td>
<td>PGRHA5</td>
</tr>
<tr>
<td>5.7mm Regular Healing Abutment</td>
<td>PBRHA3</td>
<td>PBRHA5</td>
</tr>
</tbody>
</table>

Hand-tighten with the .050” (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V]. Encoded for easy intraoral identification; for example: GR3: Green (4.5mm) platform / Regular Emerg. / 3mm High.

**Internal Wide Emergence Healing Abutments**

<table>
<thead>
<tr>
<th>Prosthetic platform</th>
<th>3mm high</th>
<th>5mm high</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm Wide Healing Abutment</td>
<td>PYWHA3</td>
<td>PYWHA5</td>
</tr>
<tr>
<td>4.5mm Wide Healing Abutment</td>
<td>PGWHA3</td>
<td>PGWHA5</td>
</tr>
</tbody>
</table>

Hand-tighten with the .050” (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V]. Encoded for easy intraoral identification; for example: GW3: Green (4.5mm) platform / Wide Emerg. / 3mm High.

**Internal Narrow Emergence Healing Abutments**

<table>
<thead>
<tr>
<th>Prosthetic platform</th>
<th>1mm high</th>
<th>3mm high</th>
<th>5mm high</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm Narrow Healing Abutment</td>
<td>PYNHA1</td>
<td>PYNHA3</td>
<td>PYNHA5</td>
</tr>
<tr>
<td>4.5mm Narrow Healing Abutment</td>
<td>PGNHA1</td>
<td>PGNHA3</td>
<td>PGNHA5</td>
</tr>
<tr>
<td>5.7mm Narrow Healing Abutment</td>
<td>PBNHA1</td>
<td>PBNHA3</td>
<td>PBNHA5</td>
</tr>
</tbody>
</table>

Hand-tighten with the .050” (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V]. Encoded for easy intraoral identification; for example: GN3: Green (4.5mm) platform / Narrow Emerg. / 3mm High.

**Single-stage Healing Abutments**

<table>
<thead>
<tr>
<th>Prosthetic platform</th>
<th>2mm high</th>
<th>4mm high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-stage 3.5mm Healing Abutment</td>
<td>SYHA20</td>
<td>SYHA40</td>
</tr>
<tr>
<td>Single-stage 4.5mm Healing Abutment</td>
<td>SGHA20</td>
<td>SGHA40</td>
</tr>
<tr>
<td>Single-stage 5.7mm Healing Abutment</td>
<td>SBHA20</td>
<td>SBHA40</td>
</tr>
</tbody>
</table>

Hand-tighten with the .050” (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V]. Can be used to contour tissue for Simple Solutions abutments. A 2mm Healing Abutment is packaged with each Single-stage implant. Encoded for easy intraoral identification; for example: SG2: Green (4.5mm) platform / 2mm High.

*shop online at www.biohorizons.com*
**Simple Solutions™**

Simple Solutions restorative protocols for Internal & Single-stage implants allow clinicians to provide their patients with cement-retained restorations in a minimal number of office visits. The pre-tapered abutments are designed to be restored without additional preparation. After the impression has been made, patients can wear a tooth-colored Healing Cap over the abutment while the laboratory fabricates the final prosthesis. Acrylic can be added to the Healing Cap as needed to help create a more natural-appearing provisional. Please refer to the Simple Solutions Prosthetic Technique Manual (ref. ML0142) for detailed Instructions for Use.


<table>
<thead>
<tr>
<th>Prosthetic platform / Abutment height</th>
<th>0.8mm collar</th>
<th>1.8mm collar</th>
<th>2.8mm collar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal 3.5mm Kit, 4.0mm Height</td>
<td>K-PY4008</td>
<td>K-PY4018</td>
<td>K-PY4028</td>
</tr>
<tr>
<td>Internal 3.5mm Kit, 5.5mm Height</td>
<td>K-PY5508</td>
<td>K-PY5518</td>
<td>K-PY5528</td>
</tr>
<tr>
<td>Internal 4.5mm Kit, 4.0mm Height</td>
<td>K-PG4008</td>
<td>K-PG4018</td>
<td>K-PG4028</td>
</tr>
<tr>
<td>Internal 4.5mm Kit, 5.5mm Height</td>
<td>K-PG5508</td>
<td>K-PG5518</td>
<td>K-PG5528</td>
</tr>
<tr>
<td>Internal 5.7mm Kit, 4.0mm Height</td>
<td>K-PB4008</td>
<td>K-PB4018</td>
<td>K-PB4028</td>
</tr>
<tr>
<td>Internal 5.7mm Kit, 5.5mm Height</td>
<td>K-PB5508</td>
<td>K-PB5518</td>
<td>K-PB5528</td>
</tr>
</tbody>
</table>

| Single-stage 3.5mm, 4.0mm Height   | K-SY40       |
| Single-stage 3.5mm, 5.5mm Height   | K-SY55       |
| Single-stage 4.5mm, 4.0mm Height   | K-SG40       |
| Single-stage 4.5mm, 5.5mm Height   | K-SG55       |
| Single-stage 5.7mm, 4.0mm Height   | K-SB40       |
| Single-stage 5.7mm, 5.5mm Height   | K-SB55       |

Order Simple Solutions Restorative Kits by prosthetic platform, abutment height and collar height.

**Internal Simple Solutions Healing Abutments**

<table>
<thead>
<tr>
<th>Prosthetic platform</th>
<th>0.8mm collar</th>
<th>1.8mm collar</th>
<th>2.8mm collar</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm Healing Abutment</td>
<td>SPYHA08</td>
<td>SPYHA18</td>
<td>SPYHA28</td>
</tr>
<tr>
<td>4.5mm Healing Abutment</td>
<td>SPGHA08</td>
<td>SPGHA18</td>
<td>SPGHA28</td>
</tr>
<tr>
<td>5.7mm Healing Abutment</td>
<td>SPBHA08</td>
<td>SPBHA18</td>
<td>SPBHA28</td>
</tr>
</tbody>
</table>

Order Simple Solutions Healing Abutment to match the appropriate emergence and diameter of the Simple Solutions Abutment. Hand-tighten with a .050” (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V].

Encoded for easy intraoral identification, for example: GS1.8: Green (4.5mm) platform / Simp. Sol. / 1.8mm collar.
Ceramic Abutments for Cement-retained Restorations

**PYRCA** 3.5mm Ceramic Abutment (Regular Emergence)
**PGRCA** 4.5mm Ceramic Abutment (Regular Emergence)
**PBRCRA** 5.7mm Ceramic Abutment (Regular Emergence)

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Yttria-stabilized Zirconia. Final torque: 30Ncm.

*3inOne* Abutments for Cement-retained Restorations

**PYREA** 3.5mm *3inOne* Abutment (Regular Emergence)
**PGREA** 4.5mm *3inOne* Abutment (Regular Emergence)
**PBREA** 5.7mm *3inOne* Abutment (Regular Emergence)

Used to fabricate cement-retained, single- or multiple-unit prostheses. Also used with Ball-top Screw as a closed-tray, hexed-timed impression coping. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm.

Angled Abutments for Cement-retained Restorations

**PYRAA** 3.5mm Angled Abutment (Regular Emergence)
**PGRAA** 4.5mm Angled Abutment (Regular Emergence)
**PBRAA** 5.7mm Angled Abutment (Regular Emergence)

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm.

Angled Esthetic Abutments for Cement-retained Restorations

**PYAEA** 3.5mm Angled Esthetic Abutment (Wide Emergence)
**PGAEA** 4.5mm Angled Esthetic Abutment (Wide Emergence)
**PBAEA** 5.7mm Angled Esthetic Abutment (Regular Emergence)

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm.
INDIVIDUAL INTERNAL ABUTMENTS

### Narrow Abutments for Cement-retained Restorations

- **PYNEA** 3.5mm Narrow Emergence Abutment
- **PGNEA** 4.5mm Narrow Emergence Abutment
- **PBNEA** 5.7mm Narrow Emergence Abutment

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm.

### Esthetic Abutments for Cement-retained Restorations

- **PYSEA** 3.5mm Straight Esthetic Abutment (Wide Emergence)
- **PGSEA** 4.5mm Straight Esthetic Abutment (Wide Emergence)
- **PBSEA** 5.7mm Straight Esthetic Abutment (Regular Emergence)

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm.

### Esthetic Abutments for Cement-retained Restorations (3mm buccal height)

- **PYSEA3** 3.5mm Straight Esthetic Abutment, 3mm buccal (Wide Emergence)
- **PGSEA3** 4.5mm Straight Esthetic Abutment, 3mm buccal (Wide Emergence)
- **PBSEA3** 5.7mm Straight Esthetic Abutment, 3mm buccal (Regular Emergence)

Used to fabricate cement-retained, single- or multiple-unit prostheses when a deep gingival sulcus is present. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm. Call for availability.

### Profile Abutments for Cement-retained Restorations

- **PGWEA** 4.5mm Wide Emergence Profile Abutment

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm.
INDIVIDUAL INTERNAL ABUTMENTS

Titanium Base for Custom Milled Abutments

- **PYTB**: 3.5mm Titanium Base for Custom Milled Abutment
- **PGTB**: 4.5mm Titanium Base for Custom Milled Abutment
- **PBTB**: 5.7mm Titanium Base for Custom Milled Abutment

Used as a titanium base when fabricating custom-milled CAD/CAM zirconia abutments for cement-retained single and multi-unit prostheses. Packaged with the Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. TiN coated. Final torque: 30Ncm. Call for availability.

Custom Castable (UCLA) Abutments - Hexed

- **PYCAH**: 3.5mm Custom Cast Abutment, Hexed
- **PGCAH**: 4.5mm Custom Cast Abutment, Hexed
- **PBCAH**: 5.7mm Custom Cast Abutment, Hexed

Used for single-unit screw-retained or custom abutment cement-retained restorations. Packaged with the Abutment Screw (PXAS). Gold Alloy base with natural acetyl (Delrin® or Pomalux®) sleeve. Final torque: 30Ncm.

Custom Castable (UCLA) Abutments - Non-hexed

- **PYCAN**: 3.5mm Custom Cast Abutment, Non-hexed
- **PGCAN**: 4.5mm Custom Cast Abutment, Non-hexed
- **PBCAN**: 5.7mm Custom Cast Abutment, Non-hexed

Used for multiple-unit, screw-retained restorations. Packaged with the Abutment Screw (PXAS). Gold Alloy base with natural acetyl (Delrin® or Pomalux®) sleeve. Final torque: 30Ncm.

Bulk Preparation Abutment for Cement-retained Restorations

- **PYBPA**: 3.5mm Bulk Preparation Abutment
- **PGBPA**: 4.5mm Bulk Preparation Abutment
- **PBBPA**: 5.7mm Bulk Preparation Abutment

Used to fabricate custom abutments for cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm. Call for availability.
INDIVIDUAL INTERNAL ABUTMENTS

**PEEK® Temporary Abutments**

- **PYRTA** 3.5mm Plastic Temporary Abutment (Regular Emergence)
- **PGRTA** 4.5mm Plastic Temporary Abutment (Regular Emergence)
- **PBRTA** 5.7mm Plastic Temporary Abutment (Regular Emergence)

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 Abutment Screw (PXAS). PEEK® (PolyEtherEtherKetone). Final torque: 30Ncm.

**Titanium Temporary Abutments - Hexed**

- **PYTH** 3.5mm Titanium Temporary Abutment, Hexed
- **PGTH** 4.5mm Titanium Temporary Abutment, Hexed
- **PBTH** 5.7mm Titanium Temporary Abutment, Hexed

Used for single-unit screw-retained, long term temporary restorations (>30 days). Packaged with the Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.

**Titanium Temporary Abutments - Non-hexed**

- **PYTN** 3.5mm Titanium Temporary Abutment, Non-hexed
- **PGTN** 4.5mm Titanium Temporary Abutment, Non-hexed
- **PBTN** 5.7mm Titanium Temporary Abutment, Non-hexed

Used for multiple-unit, screw-retained, long term temporary restorations (>30 days). Packaged with the Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.
INTERNAL IMPRESSION COMPONENTS

Ball-top Screw for Indirect Transfer

PXBT
Ball-top Screw for Indirect Transfer
Fits all prosthetic platforms. Used with the 3inOne Abutment to form an impression coping for closed-tray, hexed-timed transfers. May be used to increase height of Indirect Transfer Copings by 3mm. Hand-tighten. Titanium Alloy [Ti-6Al-4V].

Indirect Transfer Copings (Closed Tray)

PYNIC 3.5mm Narrow Indirect Transfer Coping
PYRIC 3.5mm Regular Indirect Transfer Coping
PYWIC 3.5mm Wide Indirect Transfer Coping
PGNIC 4.5mm Narrow Indirect Transfer Coping
PGRIC 4.5mm Regular Indirect Transfer Coping
PGWIC 4.5mm Wide Indirect Transfer Coping
PBNIC 5.7mm Narrow Indirect Transfer Coping
PBRIC 5.7mm Regular Indirect Transfer Coping

Used to make a closed-tray, implant-level, hexed-timed impression. Packaged with the Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V].

PYNISC 3.5mm Narrow Indirect Scoop Coping
PGNISC 4.5mm Narrow Indirect Scoop Coping
PBNISC 5.7mm Narrow Indirect Scoop Coping

Used to make a closed-tray, implant-level, hexed-timed impression. Pre-assembled with a Coping Screw (PXSS). Titanium Alloy [Ti-6Al-4V]. Call for availability.

Implant Analogs

PYIA 3.5mm Implant Analog
PGIA 4.5mm Implant Analog
PBIA 5.7mm Implant Analog

Represents the implant in a laboratory-fabricated, implant-level stone model. Not intended for use with Simple Solutions components. Titanium Alloy [Ti-6Al-4V].

Ball-top Screw (PXBT) pictured above sold separately

3mm
11mm

3mm

3mm

2mm

13mm

11mm
### INTERNAL IMPRESSION COMPONENTS

**Direct Pick-up Copings (Open Tray)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYNDC</td>
<td>3.5mm Narrow Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PYRDC</td>
<td>3.5mm Regular Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PYWDC</td>
<td>3.5mm Wide Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PGNDC</td>
<td>4.5mm Narrow Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PGRDC</td>
<td>4.5mm Regular Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PGWDC</td>
<td>4.5mm Wide Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PBNDC</td>
<td>5.7mm Narrow Direct Pick-up Coping, Hexed</td>
</tr>
<tr>
<td>PBRDC</td>
<td>5.7mm Regular Direct Pick-up Coping, Hexed</td>
</tr>
</tbody>
</table>


**Direct Coping Screws**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXDCS</td>
<td>Direct Coping Screw</td>
</tr>
<tr>
<td>PXDCSL</td>
<td>Direct Coping Screw, Long</td>
</tr>
</tbody>
</table>

Fits all implant prosthetic platforms. The PXDCS is packaged with all Direct Pick-up Copings. May also be used in place of the Abutment Screw (PXAS) when extra length is needed, or to maintain the screw access hole during fabrication of screw-retained provisional prostheses. Up to 7mm can be removed from the screw without losing the hex engagement. Utilizes the .050” (1.25mm) Hex Driver. Hand-tighten or torque to 30 Ncm depending on application. Titanium Alloy [Ti-6Al-4V]. PXDCSL adds 5mm length compared to the PXDCS.

**Abutment Screw**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXAS</td>
<td>Abutment Screw</td>
</tr>
</tbody>
</table>

Fits all implant prosthetic platforms. Low profile screw head. Packaged with all two-piece abutments. Utilizes the .050” (1.25mm) Hex Driver. Final torque: 30 Ncm. Titanium Alloy [Ti-6Al-4V].

---

shop online at www.biohorizons.com
Internal Simple Solutions Abutments

<table>
<thead>
<tr>
<th>Prosthetic platform / Abutment height</th>
<th>0.8mm collar</th>
<th>1.8mm collar</th>
<th>2.8mm collar</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm Abutment, 4.0mm</td>
<td>SPY4008</td>
<td>SPY4018</td>
<td>SPY4028</td>
</tr>
<tr>
<td>3.5mm Abutment, 5.5mm</td>
<td>SPY5508</td>
<td>SPY5518</td>
<td>SPY5528</td>
</tr>
<tr>
<td>4.5mm Abutment, 4.0mm</td>
<td>SPG4008</td>
<td>SPG4018</td>
<td>SPG4028</td>
</tr>
<tr>
<td>4.5mm Abutment, 5.5mm</td>
<td>SPG5508</td>
<td>SPG5518</td>
<td>SPG5528</td>
</tr>
<tr>
<td>5.7mm Abutment, 4.0mm</td>
<td>SPB4008</td>
<td>SPB4018</td>
<td>SPB4028</td>
</tr>
<tr>
<td>5.7mm Abutment, 5.5mm</td>
<td>SPB5508</td>
<td>SPB5518</td>
<td>SPB5528</td>
</tr>
</tbody>
</table>

Internal Simple Solutions crowns finish on the restorative shoulder of the abutment. There are three options for transmucosal collar height: 0.8mm / 1.8mm / 2.8mm. Select the collar height that positions the restorative shoulder as close as possible to the desired position of the crown margin. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.

Simple Solutions Healing Caps

<table>
<thead>
<tr>
<th>Simple Solutions Healing Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYPHC40 Simple Solutions 3.5mm Healing Cap, 4.0mm</td>
</tr>
<tr>
<td>SYPHC55 Simple Solutions 3.5mm Healing Cap, 5.5mm</td>
</tr>
<tr>
<td>SGPHC40 Simple Solutions 4.5mm Healing Cap, 4.0mm</td>
</tr>
<tr>
<td>SGPHC55 Simple Solutions 4.5mm Healing Cap, 5.5mm</td>
</tr>
<tr>
<td>SBPHC40 Simple Solutions 5.7mm Healing Cap, 4.0mm</td>
</tr>
<tr>
<td>SBPHC55 Simple Solutions 5.7mm Healing Cap, 5.5mm</td>
</tr>
</tbody>
</table>

Used as-is or as a coping for fabrication of provisional restorations (up to 30 days). Secure with temporary cement. Order by platform diameter and abutment height. PEEK® (PolyEtherEtherKetone).

Simple Solutions Impression Caps

<table>
<thead>
<tr>
<th>Simple Solutions Impression Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYPIC40 Simple Solutions 3.5mm Impression Cap, 4.0mm</td>
</tr>
<tr>
<td>SYPIC55 Simple Solutions 3.5mm Impression Cap, 5.5mm</td>
</tr>
<tr>
<td>SGPIC40 Simple Solutions 4.5mm Impression Cap, 4.0mm</td>
</tr>
<tr>
<td>SGPIC55 Simple Solutions 4.5mm Impression Cap, 5.5mm</td>
</tr>
<tr>
<td>SBPIC40 Simple Solutions 5.7mm Impression Cap, 4.0mm</td>
</tr>
<tr>
<td>SBPIC55 Simple Solutions 5.7mm Impression Cap, 5.5mm</td>
</tr>
</tbody>
</table>

Order by platform diameter and abutment height.

Simple Solutions Replicas

<table>
<thead>
<tr>
<th>Simple Solutions Replicas</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYR40 Simple Solutions 3.5mm Replica, 4.0mm</td>
</tr>
<tr>
<td>SYR55 Simple Solutions 3.5mm Replica, 5.5mm</td>
</tr>
<tr>
<td>SGR40 Simple Solutions 4.5mm Replica, 4.0mm</td>
</tr>
<tr>
<td>SGR55 Simple Solutions 4.5mm Replica, 5.5mm</td>
</tr>
<tr>
<td>SBR40 Simple Solutions 5.7mm Replica, 4.0mm</td>
</tr>
<tr>
<td>SBR55 Simple Solutions 5.7mm Replica, 5.5mm</td>
</tr>
</tbody>
</table>

Order by platform diameter and abutment height. Titanium Alloy [Ti-6Al-4V].

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SIMPLE SOLUTIONS INDIVIDUAL COMPONENTS

Simple Solutions Waxing Sleeves

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYPWSC</td>
<td>Simple Solutions 3.5mm Waxing Sleeve, Crown (single unit)</td>
</tr>
<tr>
<td>SGPWSC</td>
<td>Simple Solutions 4.5mm Waxing Sleeve, Crown (single unit)</td>
</tr>
<tr>
<td>SBPWSC</td>
<td>Simple Solutions 5.7mm Waxing Sleeve, Crown (single unit)</td>
</tr>
<tr>
<td>SYPWSB</td>
<td>Simple Solutions 3.5mm Waxing Sleeve, Bridge (multiple units)</td>
</tr>
<tr>
<td>SGPWSB</td>
<td>Simple Solutions 4.5mm Waxing Sleeve, Bridge (multiple units)</td>
</tr>
<tr>
<td>SBPWSB</td>
<td>Simple Solutions 5.7mm Waxing Sleeve, Bridge (multiple units)</td>
</tr>
</tbody>
</table>

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 multiple units. Order by platform diameter. Trim for height. Burn-out plastic.

Simple Solutions Replica Lab Tools

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYRLT</td>
<td>Simple Solutions 3.5mm Replica Lab Tool</td>
</tr>
<tr>
<td>SGRLT</td>
<td>Simple Solutions 4.5mm Replica Lab Tool</td>
</tr>
<tr>
<td>SBRLT</td>
<td>Simple Solutions 5.7mm Replica Lab Tool</td>
</tr>
</tbody>
</table>

Used 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 retenitive snap feature. Castings made from copings fabricated on the Replica Lab Tools do not require use of the Casting Reamers (below).

Simple Solutions Casting Reamers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYCR</td>
<td>Simple Solutions 3.5mm Casting Reamer</td>
</tr>
<tr>
<td>SGCR</td>
<td>Simple Solutions 4.5mm Casting Reamer</td>
</tr>
<tr>
<td>SBCR</td>
<td>Simple Solutions 5.7mm Casting Reamer</td>
</tr>
</tbody>
</table>

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

Locator® Abutments

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYLA0</td>
<td>3.5mm Locator Abutment, 0mm Cuff Height</td>
</tr>
<tr>
<td>PYLA1</td>
<td>3.5mm Locator Abutment, 1.0mm Cuff Height</td>
</tr>
<tr>
<td>PYLA2</td>
<td>3.5mm Locator Abutment, 2.0mm Cuff Height</td>
</tr>
<tr>
<td>PYLA3</td>
<td>3.5mm Locator Abutment, 3.0mm Cuff Height</td>
</tr>
<tr>
<td>PYLA4</td>
<td>3.5mm Locator Abutment, 4.0mm Cuff Height</td>
</tr>
<tr>
<td>PYLA5</td>
<td>3.5mm Locator Abutment, 5.0mm Cuff Height</td>
</tr>
<tr>
<td>PYLA6</td>
<td>3.5mm Locator Abutment, 6.0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA0</td>
<td>4.5mm Locator Abutment, 0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA1</td>
<td>4.5mm Locator Abutment, 1.0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA2</td>
<td>4.5mm Locator Abutment, 2.0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA3</td>
<td>4.5mm Locator Abutment, 3.0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA4</td>
<td>4.5mm Locator Abutment, 4.0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA5</td>
<td>4.5mm Locator Abutment, 5.0mm Cuff Height</td>
</tr>
<tr>
<td>PGLA6</td>
<td>4.5mm Locator Abutment, 6.0mm Cuff Height</td>
</tr>
<tr>
<td>PBLA1</td>
<td>5.7mm Locator Abutment, 1.0mm Cuff Height</td>
</tr>
<tr>
<td>PBLA2</td>
<td>5.7mm Locator Abutment, 2.0mm Cuff Height</td>
</tr>
<tr>
<td>PBLA3</td>
<td>5.7mm Locator Abutment, 3.0mm Cuff Height</td>
</tr>
<tr>
<td>PBLA4</td>
<td>5.7mm Locator Abutment, 4.0mm Cuff Height</td>
</tr>
<tr>
<td>PBLA5</td>
<td>5.7mm Locator Abutment, 5.0mm Cuff Height</td>
</tr>
<tr>
<td>PBLA6</td>
<td>5.7mm Locator Abutment, 6.0mm Cuff Height</td>
</tr>
</tbody>
</table>

The Locator Implant Attachment System is 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 1.5mm 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). Locator Abutments are made from Titanium Alloy [Ti-6Al-4V]. Final torque: 30 Ncm.

The Male Processing Package provides 3 choices of retention (see opposite page). 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

Locator 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.

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

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

shop online at www.biohorizons.com
## LOCATOR ABUTMENT COMPONENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIC</td>
<td>Locator Impression Coping (4 pack)</td>
</tr>
<tr>
<td>LFA-4MM</td>
<td>Locator Female Analog Ø4mm (4 pack) Used for 3.5/4.5 platform</td>
</tr>
<tr>
<td>LFA-5MM</td>
<td>Locator Female Analog Ø5mm (4 pack) Used for 5.7 platform</td>
</tr>
<tr>
<td>LRM-C</td>
<td>Locator Replacement Male (clear) (4 pack) Retention: 5lb/2268g</td>
</tr>
<tr>
<td>LRM-P</td>
<td>Locator Light Retention Replacement Male (pink) (4 pack) Retention: 3lb/1361g</td>
</tr>
<tr>
<td>LRM-B</td>
<td>Locator Extra Light Retention Replacement Male (blue) (4 pack) Retention: 1.5lb/680g</td>
</tr>
<tr>
<td>LRM-G</td>
<td>Locator Extended Range Replacement Male (green) (4 pack) Retention: 3-4lbs/1361-1814g</td>
</tr>
<tr>
<td>LRM-R</td>
<td>Locator Extended Range Extra Light Retention Rep. Male (red) (4 pack) Retention: 1.5lbs/680g</td>
</tr>
<tr>
<td>LBPRM</td>
<td>Locator Black Processing Replacement Male (4 pack)</td>
</tr>
<tr>
<td>LPP</td>
<td>Locator Parallel Post (4 pack)</td>
</tr>
<tr>
<td>LAMG</td>
<td>Locator Angle Measurement Guide</td>
</tr>
<tr>
<td>LSDT-15MM</td>
<td>Locator Square Drive Tool (15mm) Used with a torque wrench to seat Locator Abutments. 15mm in length.</td>
</tr>
<tr>
<td>LSDT-21MM</td>
<td>Locator Square Drive Tool (21mm) Used with a torque wrench to seat Locator Abutments. 21mm in length.</td>
</tr>
</tbody>
</table>
Ball Abutments

Ball Abutments are used for retention of tissue-supported overdentures. They are recommended for relatively parallel implants. See below and on the facing page for attachment options. Ball Abutments may be used for indirect transfer impressions. Ball Abutment Analogs on facing page are used for producing a working cast. Titanium Alloy [Ti-6Al-4V]. Final torque: 30 Ncm.

- **PYBA1**: 3.5mm Ball Abutment, 1mm Collar
- **PYBA3**: 3.5mm Ball Abutment, 3mm Collar
- **PYBA5**: 3.5mm Ball Abutment, 5mm Collar
- **PGBA1**: 4.5mm Ball Abutment, 1mm Collar
- **PGBA3**: 4.5mm Ball Abutment, 3mm Collar
- **PGBA5**: 4.5mm Ball Abutment, 5mm Collar
- **PBBA1**: 5.7mm Ball Abutment, 1mm Collar
- **PBBA3**: 5.7mm Ball Abutment, 3mm Collar

O-ring Attachment Set

Standard O-ring attachment for processing into denture.

**260-100** O-ring Attachment Set
Includes: (1) O-ring encapsulator, (2) Processing O-rings and (2) Clinical O-rings.

O-ring Individual Components

- **260-300** O-ring Encapsulator
  Female receptacle processed into denture. Titanium. 2 per package.
- **260-220** Processing O-ring
  Used for lab processing applications. Buna. 12 per package.
- **260-210** Clinical O-ring
  Used for clinical applications. Silicone. 12 per package.
BALL ABUTMENT COMPONENTS

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 (ref BCPD, protects tissue during impression making or denture pick-up).

The Ball Attachment system offers several advantages over traditional O-ring attachments. It requires less mesial/distal/buccal/lingual space and offers four different levels of retention. The nylon retention inserts can be changed chairside.

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

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

BCG  Green Nylon Insert
Clinical use. 2 per package. Elastic Retention.

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

BCY  Yellow Nylon Insert
Clinical use. 2 per package. Extra Soft Retention: 500-550g

BCP  Pink Nylon Insert
Clinical use. 2 per package. Soft Retention: 800-950g

BCW  White Nylon Insert
Clinical use. 2 per package. Standard Retention: 1200-1300g

BCR  Reamer
Used to adjust retention of nylon inserts.

PYGBA  3.5/4.5mm Ball Abutment Analog
PBABA  5.7mm Ball Abutment Analog
Used to represent the Ball Abutment/Implant assembly in the working cast. Only used in conjunction with Ball Abutments. Titanium Alloy [Ti-6Al-4V].
**ABUTMENT FOR SCREW COMPONENTS**

**Abutment for Screw - Non-hexed**

- **PYAFS1**: 3.5mm Abutment for Screw, 1mm collar
- **PYAFS3**: 3.5mm Abutment for Screw, 3mm collar
- **PYAFS5**: 3.5mm Abutment for Screw, 5mm collar
- **PGAFS1**: 4.5mm Abutment for Screw, 1mm collar
- **PGAFS3**: 4.5mm Abutment for Screw, 3mm collar
- **PGAFS5**: 4.5mm Abutment for Screw, 5mm collar
- **PBAFS1**: 5.7mm Abutment for Screw, 1mm collar
- **PBAFS3**: 5.7mm Abutment for Screw, 3mm collar

Used 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 the Cover Cap (PXABCC). Titanium Alloy [Ti-6Al-4V]. Final torque: 30 Ncm.

**Angled Abutment, Abutment for Screw - Hexed**

- **PYAFS17**: 3.5mm Angled Abutment for Screw, 17 Degree
- **PGAFS15**: 4.5mm Angled Abutment for Screw, 15 Degree
- **PGAFS25**: 4.5mm Angled Abutment for Screw, 25 Degree
- **PBAFS15**: 5.7mm Angled Abutment for Screw, 15 Degree

Comes packaged with the Cover Cap (PXABCC) and Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.

**Gold & Plastic Copings, Abutment for Screw - Non-hexed**

- **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 natural acetyl (Delrin® or Pomalux®). Final torque: 30Ncm.

**Instant Fixed Overdenture Abutment - Non-hexed**

- **PXIFO**: Instant Fixed Overdenture Abutment
  - Used with Abutments for Screw for fabrication of immediate provisional overdentures. See See Fixed Provisional Overdentures (L0155) for more details. Packaged with one Screw (regular), Abutment for Screw (see PXABS). Abutment height is 9mm. Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.

**Cover Cap, Abutment for Screw**

- **PXABCC**: Cover Cap, Abutment for Screw
  - Packaged with all Abutments for Screw. Titanium Alloy [Ti-6Al-4V]. Hand-tighten with .050” (1.25mm) Hex Driver.
ABUTMENT FOR SCREW COMPONENTS

Direct Pick-up Coping, Abutment for Screw

PXABDC
Direct Pick-up Coping, Abutment for Screw
Used to make a direct pick-up impression (open-tray) at the abutment level. Packaged with the Screw (long), Abutment for Screw (PXABSL). Used only with Abutment for Screw. Titanium Alloy [Ti-6Al-4V]. Hand-tighten.

Indirect Transfer Coping, Abutment for Screw

PXABIC
Indirect Transfer Coping, Abutment for Screw
Used to make an indirect transfer (closed-tray) impression at the abutment level. Used only with Abutment for Screw. Titanium Alloy [Ti-6Al-4V]. Hand-tighten.

Analog, Abutment for Screw

PXABA
Analog, Abutment for Screw
Used 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)
Used to retain bars or prostheses fabricated with the Abutment for Screw Copings. Utilizes the .050" (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V]. Final torque: 30 Ncm.

PXABSL
Screw (long), Abutment for Screw (5 pack)
Used in the lab when a longer screw is desired. Used only with the Abutment for Screw. Up to 7mm can be removed from the screw without losing the hex engagement. Titanium Alloy [Ti-6Al-4V]. Hand-tighten or torque to 30Ncm depending on application.

Hex Adapter, Abutment for Screw

PXHA
Hex Adapter, Abutment for Screw *
Required for placement of Abutment for Screw. May be driven by either Hand Wrench, Torque Wrench or AS123 Hand Unit.

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA40</td>
<td>Single-stage 3.5mm Simple Solutions Abutment, 4.0mm</td>
</tr>
<tr>
<td>SYA55</td>
<td>Single-stage 3.5mm Simple Solutions Abutment, 5.5mm</td>
</tr>
<tr>
<td>SGA40</td>
<td>Single-stage 4.5mm Simple Solutions Abutment, 4.0mm</td>
</tr>
<tr>
<td>SGA55</td>
<td>Single-stage 4.5mm Simple Solutions Abutment, 5.5mm</td>
</tr>
<tr>
<td>SBA40</td>
<td>Single-stage 5.7mm Simple Solutions Abutment, 4.0mm</td>
</tr>
<tr>
<td>SBA55</td>
<td>Single-stage 5.7mm Simple Solutions Abutment, 5.5mm</td>
</tr>
</tbody>
</table>


**Angled Abutments for Cement-retained Restorations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYAA</td>
<td>Single-stage 3.5mm Angled Abutment (10°)</td>
</tr>
<tr>
<td>SGAA</td>
<td>Single-stage 4.5mm Angled Abutment (15°)</td>
</tr>
<tr>
<td>SBAA</td>
<td>Single-stage 5.7mm Angled Abutment (20°)</td>
</tr>
</tbody>
</table>

Used to fabricate cement-retained, single- or multiple-unit prostheses. Packaged with Abutment Screw (PXAS). Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.

**Titanium Abutment for Laser Weld**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYTALW</td>
<td>Single-stage 3.5mm Titanium Abutment for Laser Weld</td>
</tr>
<tr>
<td>SGTALW</td>
<td>Single-stage 4.5mm Titanium Abutment for Laser Weld</td>
</tr>
<tr>
<td>SBTALW</td>
<td>Single-stage 5.7mm Titanium Abutment for Laser Weld</td>
</tr>
</tbody>
</table>

Used to fabricate multiple-unit laser welded bars. Packaged with Abutment Screw (PXAS) for clinical use and Direct Coping Screw (PXDCS) for laboratory use. Titanium Alloy [Ti-6Al-4V]. Final torque: 30Ncm.

**Custom Castable (UCLA) Abutments**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYCAH</td>
<td>Single-stage 3.5mm Custom Cast Abutment, Hexed</td>
</tr>
<tr>
<td>SGCAH</td>
<td>Single-stage 4.5mm Custom Cast Abutment, Hexed</td>
</tr>
<tr>
<td>SBCAH</td>
<td>Single-stage 5.7mm Custom Cast Abutment, Hexed</td>
</tr>
</tbody>
</table>

Used for single-unit screw-retained or custom abutment cement-retained restorations. Packaged with the Abutment Screw (PXAS). Gold Alloy base with natural acetyl (Delrin® or Pomalux®). Final torque: 30Ncm.

**Custom Castable (UCLA) Abutments - Non-hexed**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYCAN</td>
<td>Single-stage 3.5mm Custom Cast Abutment, Non-hexed</td>
</tr>
<tr>
<td>SGCAN</td>
<td>Single-stage 4.5mm Custom Cast Abutment, Non-hexed</td>
</tr>
<tr>
<td>SBCAN</td>
<td>Single-stage 5.7mm Custom Cast Abutment, Non-hexed</td>
</tr>
</tbody>
</table>

Used for multiple-unit, screw-retained restorations. Packaged with the Abutment Screw (PXAS). Gold Alloy base with natural acetyl (Delrin® or Pomalux®). Final torque: 30Ncm.

*shop online at www.biohorizons.com*
SINGLE-STAGE COMPONENTS

**Direct Pick-up Copings - Hexed**

- **SYDCH** Single-stage 3.5mm Direct Pick-up Coping, Hexed
- **SGDCH** Single-stage 4.5mm Direct Pick-up Coping, Hexed
- **SBDCH** Single-stage 5.7mm Direct Pick-up Coping, Hexed


**Direct Pick-up Copings - Non-hexed**

- **SYDCN** Single-stage 3.5mm Direct Pick-up Coping, Non-hexed
- **SGDCN** Single-stage 4.5mm Direct Pick-up Coping, Non-hexed
- **SBDCN** Single-stage 5.7mm Direct Pick-up Coping, Non-hexed

Used to make an open-tray implant-level, non-hexed impression. Packaged with the extended Direct Coping Screw (PXDCS). Titanium Alloy [Ti-6Al-4V]. Hand-tighten.

**Implant Analog**

- **SYIA** Single-stage Implant Analog, 3.5mm
- **SGIA** Single-stage Implant Analog, 4.5mm
- **SBIA** Single-stage Implant Analog, 5.7mm


**Direct Coping Screws**

- **PXDCS** Direct Coping Screw
- **PXDCSL** Direct Coping Screw, Long

Fits all implant prosthetic platforms. The PXDCS is packaged with all Direct Pick-up Copings. May also be used in place of the Abutment Screw (PXAS) when extra length is needed, or to maintain the screw access hole during fabrication of screw-retained provisional prostheses. Up to 7mm can be removed from the screw without losing the hex engagement. Utilizes the .050” (1.25mm) Hex Driver. Titanium Alloy [Ti-6Al-4V]. Hand-tighten or torque to 30 Ncm depending on application. PXDCSL adds 5mm length compared to the PXDCS.

**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 [Ti-6Al-4V]. Final torque: 30 Ncm.
**PROSTHETIC INSTRUMENTATION**

---

### Complete Prosthetic Instrumentation System (shown)

Includes: AS123 Hand Unit / Hand Wrench / 30 Ncm Torque Wrench / .050” (1.25mm) Hex Driver, Regular / .050” (1.25mm) Hex Driver, Long / Hex Adapters for Abutment for Screw / 4mm Square Drive Extender / Sterilization Tray

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### Basic Prosthetic Instrumentation Kit (not shown)

Identical to the Complete Prosthetic Instrumentation System (see above), but excludes the AS123 Hand Unit and Hex Adapters for Abutment for Screw.

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### Prosthetic Sterilization Tray (not shown)

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

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#### 320-000

**Prosthetic Instrumentation System**

- Complete Prosthetic Instrumentation System (shown)
- Basic Prosthetic Instrumentation Kit (not shown)
- Prosthetic Sterilization Tray (not shown)

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#### 320-101

**Basic Prosthetic Instrumentation Kit (not shown)**

Identical to the Complete Prosthetic Instrumentation System (see above), but excludes the AS123 Hand Unit and Hex Adapters for Abutment for Screw.

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#### 300-070

**Prosthetic Sterilization Tray (not shown)**

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

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#### 300-206

**4mm Square Drive Extender**

replaces 300-205 starting June 2010

---

#### 300-100

**AS123 Hand Unit**

Provides improved vision and easy access to prosthetic components in posterior regions of the mouth. Hand Wrench and Drivers must be purchased separately. May also be purchased as part of the 320-000 Complete Prosthetic Instrumentation System (see above).

---

#### 300-400

**Hand Wrench**

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

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#### 300-206

**4mm Square Drive Extender**

replaces 300-205 starting June 2010

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#### 300-100

**AS123 Hand Unit**

Provides improved vision and easy access to prosthetic components in posterior regions of the mouth. Hand Wrench and Drivers must be purchased separately. May also be purchased as part of the 320-000 Complete Prosthetic Instrumentation System (see above).

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#### 300-430

**30 Ncm Torque Wrench**

Used to deliver torque to prosthetic components.

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#### PXHA

**Hex Adapter, Abutment for Screw**

Required for placement of Abutment for Screw. May be driven by either Hand Wrench, Torque Wrench or AS123 Hand Unit.

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#### 300-350 (regular)

**Hex Driver Regular or Long**

Used to tighten all hex-driven prosthetic screws.

---

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

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**PROSTHETIC INSTRUMENTATION**

**IMPAH**  
**Abutment Clamp**

Used to hold two-piece abutments during delivery and tightening of the Abutment Screw.

**ATW**  
**ITL Precise Adjustable Torque Wrench**

Ratchet design places 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.

**AGYR-15500**  
**Anthogyr Torq Control® Torque Wrench**

Ergonomic rotating handle design is the ideal solution for access to screws placed in the posterior. The 7 predetermined torque values (10, 15, 20, 25, 30, 32 and 35 Ncm) make it a tool of extreme precision.

**PYGAH**  
**Ø3.5/4.5mm Platform Analog Handle**

**PBAH**  
**Ø5.7mm Platform Analog Handle**

Used to hold abutments for chairside or laboratory preparation, these handles mimic the implant/analog hex geometry. Abutments are secured to the handle with the standard Abutment Screw (PXAS). Comes in two platform sizes: Ø3.5/4.5mm and Ø5.7mm.

**135-351**  
**.050" (1.25mm) One-piece Hex Driver**

**134-350**  
**.050" (1.25mm) Handpiece Hex Driver**

**134-450**  
**.050" (1.25mm) Handpiece Hex Driver, Long**

For installation and removal of Cover Screws, Healing Abutments 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).

**PXCT**  
**Implant Clean-out Tap Tool**

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

Used to re-thread Internal implants or Abutments for Screw 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 wear out over time. If an instrument is no longer held securely by its associated driver, order a replacement o-ring through Customer Care.*

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Symbol Descriptions for Product Labeling

- **REF**: Reference/article number
- **LOT**: Lot/batch number
- **Sterile by gamma irradiation**
- **Non-sterile**
- **Rx Only**: Single use only
- **Refer to Instructions for Use**
- **CE 0473**: BioHorizons products carry the CE mark and fulfill the requirements of the Medical Devices Directive 93/42/EEC
- **EU Authorised Representative**: Quality First International London E7 0QY United Kingdom Tel. & Fax: +44-208-522-1937

**References**

1. Please see BioHorizons document #ML0130.
8. Marginal tissue response to different implant neck design. HE Bae, BDS, MDS, MK Chung, DDS, PhD, IH Cha, DDS, PhD, DH Han, DSS, PhD. J Korean Acad Prosthodont. 2008 Vol 46 No 6.
Product Support Specialist: ________________________________

Cell phone: ________________________________

Fax: ________________________________

**BioHorizons No Exceptions Lifetime Warranty on Implants and Prosthetics:** All implants and prosthetic components include a No Exceptions Lifetime Warranty. 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.

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.

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