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*Product within catalog not necessarily shown to scale.*
the RENOVA system

Internal hex prosthetic connection
- Delivers superior strength and ease of prosthetic indexability
- Beveled interface helps maximize prosthetic stability and evenly transfer occlusal forces to the implant.
- Deep internal hex connection simplifies abutment seating and provides excellent tactile feel for added confidence.

STRAIGHT

- 1mm machined titanium collar for soft tissue maintenance
- Parallel walled neck region with circumferential grooves for increased surface area
- Proven RBM Surface
- Straight and tapered designs expand treatment options
- Tapered design enables placement near impinging anatomical structures while maximizing prosthetic table diameter for natural emergence profile
- Apical end design provides excellent initial thread engagement and stability

RENOVA dental implants deliver the surgical versatility of straight and tapered implant designs with the strength and esthetic benefits of an internal prosthetic connection.
RENOVA dental implants deliver the surgical versatility of straight and tapered implant designs with the strength and esthetic benefits of an internal prosthetic connection.

- Internal hex prosthetic connection for superior esthetics and reliability
- 1mm machined titanium collar for soft tissue maintenance
- Parallel walled neck region with circumferential grooves for increased surface area
- Proven RBM Surface
- Straight and tapered designs expand treatment options
- Tapered design enables placement near impinging anatomical structures while maximizing prosthetic table diameter for natural emergence profile
- Apical end design provides excellent initial thread engagement and stability

Internal Hex Prosthetic Connection
- Delivers superior strength and ease of prosthetic indexability
- Beveled interface helps maximize prosthetic stability and evenly transfer occlusal forces to the implant
- Deep internal hex connection simplifies abutment seating and provides excellent tactile feel for added confidence.
**Features:**
- Tapered implant design.
- RBM surface.
- Cover Screw and pre-mounted, color-coded Placement Head (3.5mm) included with each implant.
- Packaged to minimize handling during placement.
- Gamma sterilized.

**Instrumentation Required:**
- RENOVA Tapered Implant Surgical Kit (page 17)
- RENOVA Tapered Drill and Tap Set (page 17)

---

**Proven RBM Surface**

KEYSTONE DENTAL'S PROVEN RESORBABLE BLAST MEDIA (RBM) SURFACE

- Substantially increases bone-to-implant contact and mechanical bone interlock.
- Roughened titanium surface — a high level of clinical acceptance since 1997, 98% implant success rate.
- Biocompatible calcium phosphate ceramic media — ensures safety and biological compatibility.
- Higher bone-to-implant contact — and 250% more surface area.
- Acid-free roughening process — implant is free from acid residues.

---

**RENOVA RBM Tapered Implants**

**Implant Size**

- **Catalog No.:**
  - 3.75 x 10mm: 14000K
  - 3.75 x 11.5mm: 14001K
  - 3.75 x 13mm: 14002K
  - 3.75 x 14.5mm: 14003K
  - 4.5 x 8.5mm: 14004K
  - 4.5 x 10mm: 14005K
  - 4.5 x 11.5mm: 14006K
  - 4.5 x 13mm: 14007K

---

**Bone, cells, and blood vessels clearly denoted at the bone/titanium interface. No evidence of inflammatory cells or fibrous tissue.**


---

**Keystone Dental, Inc. 866-902-9272 (U.S.A.) 1-781-328-3490 (International) www.keystonedental.com**
RENOVA Prosthetics
The Tapered and Straight implant designs share the same prosthetics.

The RENOVA System offers abutment systems for:
- Cement-Retained restorations
- Screw-Retained restorations
- Overdenture restorations

Proven RBM Surface

RENOVA RBM Tapered Implants

Features:
- Tapered implant design.
- RBM surface.
- Cover Screw and pre-mounted, color-coded Placement Head (3.5mm) included with each implant.
- Packaged to minimize handling during placement.
- Gamma sterilized.

Instrumentation Required:
- RENOVA Tapered Implant Surgical Kit (page 17)
- RENOVA Tapered Drill and Tap Set (page 17)

<table>
<thead>
<tr>
<th>Implant Size</th>
<th>Catalog No.</th>
</tr>
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<tbody>
<tr>
<td>3.75 x 10mm</td>
<td>14000K</td>
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<tr>
<td>3.75 x 11.5mm</td>
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</tr>
<tr>
<td>3.75 x 13mm</td>
<td>14002K</td>
</tr>
<tr>
<td>3.75 x 14.5mm</td>
<td>14003K</td>
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<table>
<thead>
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<th>Catalog No.</th>
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</tr>
<tr>
<td>4.5 x 10mm</td>
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</tr>
<tr>
<td>4.5 x 11.5mm</td>
<td>14006K</td>
</tr>
<tr>
<td>4.5 x 13mm</td>
<td>14007K</td>
</tr>
</tbody>
</table>
RENOVA RBM Straight Implants

Features:
- Straight (parallel walled) implant design.
- RBM surface.
- Cover Screw and pre-mounted, color-coded Placement Head (3.5mm) included with each implant.
- Packaged to minimize handling during placement.
- Gamma sterilized.

Instrumentation Required:
- RENOVA Straight Implant Surgical Kit (page 20)

Cover Screws

Features:
- Included with all RENOVA implants.
- Offered separately for spare or replacement use.

Instrumentation Required:
- .048" Hex Driver (page 27)

Implant Size Catalog No.

<table>
<thead>
<tr>
<th>Implant Size</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 8mm</td>
<td>13000K</td>
</tr>
<tr>
<td>3.75 x 10mm</td>
<td>13001K</td>
</tr>
<tr>
<td>3.75 x 11.5mm</td>
<td>13002K</td>
</tr>
<tr>
<td>3.75 x 13mm</td>
<td>13003K</td>
</tr>
<tr>
<td>3.75 x 16mm</td>
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<tr>
<td>4.5/4.75mm</td>
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<td>4.5/4.75mm</td>
<td>13007K</td>
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<td>4.5/4.75mm</td>
<td>13008K</td>
</tr>
<tr>
<td>4.5/4.75mm</td>
<td>13009K</td>
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</table>

Healing Abutments

Features:
- Occlusal surface is labeled with the implant prosthetic table (SDI and RDI) and cuff height.

Instrumentation Required:
- .048" Hex Driver (page 27)

Implant Impression Posts

Features:
- Used for single or multi-unit (splinted) restorations.
- Includes a long screw (open tray impressions) and a short screw (closed tray impressions).
- Transfers soft-tissue contours to the dental laboratory.

Instrumentation Required:
- .048" Hex Driver (page 27)

Implant Analogs

Features:
-Replicates the implant for use in the dental laboratory model.
- Titanium alloy.

Instrumentation Required:
- .048" Hex Driver (page 27)
RENOVA RBM Straight Implants

Features:
- Straight (parallel walled) implant design.
- RBM surface.
- Cover Screw and pre-mounted, color-coded Placement Head (3.5mm) included with each implant.
- Packaged to minimize handling during placement.
- Gamma sterilized.

Instrumentation Required:
- RENOVA Straight Implant Surgical Kit (page 20)

Cover Screws

Features:
- Included with all RENOVA implants.
- Offered separately for spare or replacement use.

Instrumentation Required:
- .048" Hex Driver (page 27)

Healing Abutments

Features:
- Occlusal surface is labeled with the implant prosthetic table (SDI and RDI) and cuff height.

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Implant Impression Posts

- Used for single or multi-unit (splinted) restorations.
- Includes a long screw (open tray impressions) and a short screw (closed tray impressions).
- Transfers soft-tissue contours to the dental laboratory.

Instrumentation Required:
- .048" Hex Driver (page 27)

Implant Analogs

- Replicates the implant for use in the dental laboratory model.
- Titanium alloy.

Instrumentation Required:
- .048" Hex Driver (page 27)
Cement-On Crown (COC) Abutment System

Features:
- COC Abutments are intended for cement-retained restorations where conventional crown and bridge techniques are desired. The COC Abutment can be used for single or multi-unit (splinted) restorations.
- COC Abutments can be prepared as needed and impressioned directly using conventional crown and bridge techniques, eliminating the need for an impression post, analog and other prosthetic components. These abutments may also be used for provisional (temporary) restorations.

Technical Considerations:
- A minimum inter-occlusal clearance of 4.0mm plus the additional height of the restoration is required between the implant prosthetic table and the occlusal plane.
- It is recommended that bulk abutment reduction be performed outside of the mouth due to risk of heat transfer to the implant.
- COC Abutments are made of titanium alloy and are not designed for direct casting to the abutment.
- Torque Recommendation – 30Ncm for Abutment Screw.

Instrumentation Required:
- .048” Hex Driver (page 27)

Straight Locking COC Abutments
- For use in single or multi-unit (splinted) restorations.
- Abutment margin can be prepared as necessary to follow gingival contours.
- COC Abutment may be impressioned directly using conventional crown and bridge impression techniques. Alternately, an implant impression post can be used to impression the implant, allowing the laboratory to prepare the abutment and fabricate the restoration.
- Abutments include a .048” hex titanium abutment screw. Additional screws are available separately.
- Torque Recommendation – 30Ncm.

Instrumentation Required:
- .048” Hex Driver (page 27)

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75mm COC Abutment with Screw</td>
<td>43089K</td>
</tr>
<tr>
<td>4.5/4.75mm COC Abutment with Screw</td>
<td>43090K</td>
</tr>
<tr>
<td>Abutment Screw, Titanium</td>
<td>43092K</td>
</tr>
</tbody>
</table>

15º Angled Locking COC Abutments
- For use in single or multi-unit (splinted) restorations where angle correction is needed.
- Pre-machined margins simplify abutment preparation and may be additionally prepared to follow gingival contours.
- COC Abutment may be impressioned directly using conventional crown and bridge impression techniques. Alternately, an implant impression post can be used to impression the implant; allowing the laboratory to prepare the abutment and fabricate the restoration.
- Abutments include a .048” hex titanium abutment screw. Additional screws are available separately.

Instrumentation Required:
- .048” Hex Driver (page 27)

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75mm 15º COC Abutment with Screw with 2mm Cuff</td>
<td>43094K</td>
</tr>
<tr>
<td>4.5/4.75mm 15º COC Abutment with Screw with 2mm Cuff</td>
<td>43096K</td>
</tr>
<tr>
<td>Abutment Screw, Titanium</td>
<td>43100K</td>
</tr>
</tbody>
</table>
**Cement-On Crown (COC) Abutment System**

**Features:**
- COC Abutments are intended for cement-retained restorations where conventional crown and bridge techniques are desired. The COC Abutment can be used for single or multi-unit (splinted) restorations.
- COC Abutments can be prepared as needed and impressioned directly using conventional crown and bridge techniques, eliminating the need for an impression post, analog and other prosthetic components. These abutments may also be used for provisional (temporary) restorations.

**Instrumentation Required:**
- .048" Hex Driver (page 27)

**Technical Considerations:**
- A minimum inter-occlusal clearance of 4.0mm plus the additional height of the restoration is required between the implant prosthetic table and the occlusal plane.
- It is recommended that bulk abutment reduction be performed outside of the mouth due to risk of heat transfer to the implant.
- COC Abutments are made of titanium alloy and are not designed for direct casting to the abutment.
- Torque Recommendation – 30Ncm for Abutment Screw.

**15º Angled Locking COC Abutments**
- For use in single or multi-unit (splinted) restorations where angle correction is needed.
- Pre-machined margins simplify abutment preparation and may be additionally prepared to follow gingival contours.
- COC Abutment may be impressioned directly using conventional crown and bridge impression techniques. Alternately, an implant impression post can be used to impression the implant; allowing the laboratory to prepare the abutment and fabricate the restoration.
- Abutments include a .048" hex titanium abutment screw. Additional screws are available separately.

**Instrumentation Required:**
- .048" Hex Driver (page 27)

**Cement-On Crown (COC) Abutment System**

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- Abutments include a .048" hex titanium abutment screw. Additional screws are available separately.

**Instrumentation Required:**
- .048" Hex Driver (page 27)

**COC Abutments Catalog No.**
- 3.75mm COC Abutment with Screw
- 4.5/4.75mm COC Abutment with Screw
- Abutment Screw, Titanium

**COC Angled Abutments Catalog No.**
- 3.75mm 15º COC Abutment with screw, 2mm Cuff
- 4.5/4.75mm 15º COC Abutment with screw, 2mm Cuff
- Abutment Screw, Titanium
UCLA Abutment System

Features:
- The UCLA Abutment System can be used for single or multi-unit (splinted) crown and bridge restorations. It can also be used for bar overdenture restorations.
- UCLA Abutments are used to fabricate highly esthetic custom restorations that attach directly to the implant.

Instrumentation Required:
- .048” Hex Driver (page 27)

Technical Considerations:
- A minimum inter-occlusal clearance of 4.0mm for the SDI and RDI UCLA Abutments is required between the implant prosthetic table and the top of the abutment screw when seated.
- Torque Recommendation – 30Ncm for Abutment Screw.

Features:
- The UCLA Abutment System can be used for single or multi-unit (splinted) crown and bridge restorations. It can also be used for bar overdenture restorations.  
- UCLA Abutments are used to fabricate highly esthetic custom restorations that attach directly to the implant.

Instrumentation Required:
- .048” Hex Driver (page 27)

Technical Considerations:
- A minimum inter-occlusal clearance of 4.0mm for the SDI and RDI UCLA Abutments is required between the implant prosthetic table and the top of the abutment screw when seated.
- Torque Recommendation – 30Ncm for Abutment Screw.

UCLA Gold/Plastic Combo Sleeve
- The Gold/Plastic Combo combines the precision fit of a machined interface with the convenience of a castable plastic chimney.
- Specially designed geometry on the plastic chimney improves wax retention.
- Offered in both hexed (single unit) and non-hexed (multi-unit) versions.
- Includes a titanium .048” hex abutment screw. Additional screws are available separately.

Instrumentation Required:
- .048” Hex Driver (page 27)

Abutment Screws for UCLA Abutments
- Titanium screw included with each abutment and offered separately.
- Torque Recommendation – 30Ncm.

Instrumentation Required:
- .048” Hex Driver (page 27)

UCLA Temporary Sleeve
- Titanium Temporary Sleeves provide a textured surface for acrylic when constructing provisional restorations.
- Offered in both hexed (single unit) and non-hexed (multi-unit) versions.
- Includes a titanium .048” hex abutment screw.

Instrumentation Required:
- .048” Hex Driver (page 27)
UCLA Abutment System

Features:
- The UCLA Abutment System can be used for single or multi-unit (splinted) crown and bridge restorations. It can also be used for bar overdenture restorations.
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- .048” Hex Driver (page 27)

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- UCLA Abutments are used to fabricate highly esthetic custom restorations that attach directly to the implant.

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- The Gold/Plastic Combo combines the precision fit of a machined interface with the convenience of a castable plastic chimney.
- Specially designed geometry on the plastic chimney improves wax retention.
- Offered in both hexed (single unit) and non-hexed (multi-unit) versions.
- Includes a titanium .048” hex abutment screw. Additional screws are available separately.

Instrumentation Required:
- .048” Hex Driver (page 27)

UCLA Gold/Plastic Combo Sleeve Catalog No.

<table>
<thead>
<tr>
<th>Type</th>
<th>Catalog No.</th>
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<td>Single Unit</td>
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<tr>
<td>3.75mm, Non-Hexed with screw</td>
<td>43009K</td>
<td>Multi-Unit</td>
</tr>
<tr>
<td>4.5/4.75mm, Hexed with screw</td>
<td>43007K</td>
<td>Single Unit</td>
</tr>
<tr>
<td>4.5/4.75mm, Non-Hexed with screw</td>
<td>43010K</td>
<td>Multi-Unit</td>
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</table>

UCLA Temporary Sleeve
- Titanium Temporary Sleeves provide a textured surface for acrylic when constructing provisional restorations.
- Offered in both hexed (single unit) and non-hexed (multi-unit) versions.
- Includes a titanium .048” hex abutment screw.

Instrumentation Required:
- .048” Hex Driver (page 27)

UCLA Temporary Sleeve Catalog No.

<table>
<thead>
<tr>
<th>Type</th>
<th>Catalog No.</th>
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<tbody>
<tr>
<td>Sleeve, Hexed with screw</td>
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<tr>
<td>Sleeve, Non-Hexed with screw</td>
<td>43113K</td>
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<tr>
<td>Sleeve, Hexed with screw</td>
<td>43111K</td>
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<tr>
<td>Sleeve, Non-Hexed with screw</td>
<td>43114K</td>
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### Fixed Detachable Abutment System

**Features:**
- The Fixed Detachable Abutment System is designed for multi-unit (splinted) crown and bridge restorations.
- It is also commonly used for bar overdenture restorations.
- The Fixed Detachable Abutment provides excellent stability and allows for an easy path of insertion due to its tapered design.

**Instrumentation Required:**
- .048" Hex Driver (page 27)
- .062" Hex Driver (page 27)

**Technical Considerations:**
- A minimum inter-occlusal clearance of 6.9mm is required between the implant prosthetic table and the top of the coping screw when seated.
- The tapered 12° side wall allows up to 24° of divergence between adjacent abutments.
- Torque Recommendation - 30Ncm for Abutment and Abutment Screw.

### Fixed Detachable Abutments

- Torque Recommendation – 30Ncm.
- Instrumentation Required:
  - .062" Hex Driver (page 27)

### Healing Cap for Fixed Detachable Abutments

- Protects the abutment’s internal threads and seating surface during healing.
- Instrumentation Required:
  - .048" Hex Driver (page 27)

### Impression Posts for Fixed Detachable Abutments

- 1-piece design is used for closed tray impressions.
- 2-piece design is used for open tray impressions.
- Instrumentation Required:
  - .048" Hex Driver (page 27)
Fixed Detachable Abutment System

Features:
- The Fixed Detachable Abutment System is designed for multi-unit (splinted) crown and bridge restorations.
- It is also commonly used for bar overdenture restorations.
- The Fixed Detachable Abutment provides excellent stability and allows for an easy path of insertion due to its tapered design.

Instrumentation Required:
- .048" Hex Driver (page 27)
- .062" Hex Driver (page 27)

Technical Considerations:
- A minimum inter-occlusal clearance of 6.9mm is required between the implant prosthetic table and the top of the coping screw when seated.
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- Torque Recommendation - 30Ncm for Abutment and Abutment Screw.

Fixed Detachable Abutments

Torque Recommendation – 30Ncm.

Instrumentation Required:
- .062" Hex Driver (page 27)

Healing Cap for Fixed Detachable Abutments

Protects the abutment’s internal threads and seating surface during healing.

Instrumentation Required:
- .048" Hex Driver (page 27)

Impression Posts for Fixed Detachable Abutments

- 1-piece design is used for closed tray impressions.
- 2-piece design is used for open tray impressions.

Instrumentation Required:
- .048" Hex Driver (page 27)
Analog for Fixed Detachable Abutments
- Replicates the Fixed Detachable Abutment for use by the dental laboratory.
- Stainless steel.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
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<tbody>
<tr>
<td>Fixed Detachable Analog</td>
<td>410530-4K</td>
</tr>
</tbody>
</table>

Gold Sleeve and Plastic Sleeve for Fixed Detachable Abutments
- Gold Sleeve provides a precision machined interface between the restoration and the abutment. A Waxing Pin is available for waxing additional vertical height.
- Plastic Sleeve provides an alternative to Gold Sleeves and the extended chimney eliminates the need for a Waxing Pin.
- Use with titanium coping screws, which are purchased separately.
- A reamer (Catalog No. 410580K) is available for use after casting procedure.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold Sleeve</td>
<td>410720-4K</td>
</tr>
<tr>
<td>Plastic Sleeve, 12mm</td>
<td>410450-4LK</td>
</tr>
<tr>
<td>Waxing Pin</td>
<td>R9229-48K</td>
</tr>
</tbody>
</table>

Coping Screw for Fixed Detachable Abutments
- Use with Fixed Detachable Abutment Gold and Plastic Sleeves.
- Torque Recommendation – 20Ncm.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coping Screw, .048” (1.5mm Head)</td>
<td>R9460-48K</td>
</tr>
</tbody>
</table>

Snap Abutment System
Features:
- The Snap Abutment System is used with two or more implants for overdenture restorations.
- The Snap Abutment threads directly into the implant.
- The Snap Abutment assembly is processed into the denture base either chairside or at the dental laboratory.
- Replacement retention inserts are available in 12 Newtons.

Technical Considerations:
- A minimum inter-occlusal clearance of 7.0mm plus the cuff height is required.
- Implants must be relatively parallel to one another – less than 20º total divergence.
- Torque Recommendation – 30Ncm.

Instrumentation Required:
- .048” Hex Driver (page 27)
- Overdenture Driver (page 28)

Prosthetics for Overdenture Restorations
- Snap Abutment System
- IMPLANT Impressioned
- ABUTMENT Impressioned
- Snap Abutment Assembly
- Snap Abutment
- Overdenture Abutment Driver
- Snap Abutment
- Implant Impression Post
- Healing Abutment
- Tapered Implant
- Straight Implant
- Abutment Analog
- Snap Abutment
- Overdenture Abutment Driver
- Snap Abutment Assembly
- Snap Abutment
- IMPLANT Impressioned
- 048” Hex Driver
- Impressioned
- Impressioned
- Abutment
- Overdenture Abutment Driver
- Snap Abutment Assembly
Analog for Fixed Detachable Abutments
- Replicates the Fixed Detachable Abutment for use by the dental laboratory.
- Stainless steel.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Detachable Analog</td>
<td>410530-4K</td>
</tr>
</tbody>
</table>

Gold Sleeve and Plastic Sleeve for Fixed Detachable Abutments
- Gold Sleeve provides a precision machined interface between the restoration and the abutment. A Waxing Pin is available for waxing additional vertical height.
- Plastic Sleeve provides an alternative to Gold Sleeves and the extended chimney eliminates the need for a Waxing Pin.
- Use with titanium coping screws, which are purchased separately.
- A reamer (Catalog No. 410580K) is available for use after casting procedure.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold Sleeve</td>
<td>410720-4K</td>
</tr>
<tr>
<td>Plastic Sleeve, 12mm</td>
<td>410450-4LK</td>
</tr>
<tr>
<td>Waxing Pin</td>
<td>R9229-48K</td>
</tr>
</tbody>
</table>

Coping Screw for Fixed Detachable Abutments
- Use with Fixed Detachable Abutment Gold and Plastic Sleeves.
- Torque Recommendation – 20Ncm.

Instrumentation Required:
- .048" Hex Driver (page 27)

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coping Screw, .048&quot; (1.5mm Head)</td>
<td>R9460-48K</td>
</tr>
</tbody>
</table>

Snap Abutment System
Features:
- The Snap Abutment System is used with two or more implants for overdenture restorations.
- The Snap Abutment threads directly into the implant.
- The Snap Abutment assembly is processed into the denture base either chairside or at the dental laboratory.
- Replacement retention inserts are available in 12 Newtons.

Technical Considerations:
- A minimum inter-occlusal clearance of 7.0mm plus the cuff height is required.
- Implants must be relatively parallel to one another – less than 20° total divergence.
- Torque Recommendation – 30Ncm.

Instrumentation Required:
- .048" Hex Driver (page 27)
- Overdenture Driver (page 28)
Snap Abutments
- Snap Abutments are packaged with a Snap Abutment Assembly (8 Newtons (Ncm) – yellow) and laboratory spacer.
- Torque Recommendation – 30Ncm.
- Instrumentation Required:
  - Overdenture Driver (page 28)

Snap Abutment Accessories
- Abutment Analog Catalog No. L2804-01K
- Snap Retention Inserts, 12Ncm (6-pack) (includes blue retaining rings) Catalog No. L2806-12K
- Assembly (8Ncm) and lab spacer Catalog No. L2807-01K
- Seating Tool Catalog No. L2808-01K

Snap Abutment Assembly

Surgical Ratchet
- R9121K
- R9122K
- L1800-22-02K
- L1804-01K
- L2806-12K
- L1405-23-00K
- Ratchet Extender, Short & Long
- Ratchet Adapter, 8mm
- Stabilizing Wrench
- Surgical Ratchet
- Component Pack
- Grommet Rugs (2 packs of 10)
- Tapered Implant Sizing Overlays 100% & 125%

Component Pack

Drill Usage Chart, Non-Irr.

NP Placement Head, 5.5mm, RDI

Ratchet/Tap Adapter, 12mm

Grommet Plugs (2 packs of 10)

Tapered Implant Sizing Overlays 100% & 125%

Component Pack

Drill Usage Chart, Non-Irr.

NP Placement Head, 5.5mm, RDI

Ratchet/Tap Adapter, 12mm

Grommet Plugs (2 packs of 10)

Tapered Implant Sizing Overlays 100% & 125%

Component Pack

Drill Usage Chart, Non-Irr.

NP Placement Head, 5.5mm, RDI

Ratchet/Tap Adapter, 12mm

Grommet Plugs (2 packs of 10)

Tapered Implant Sizing Overlays 100% & 125%

Component Pack

Drill Usage Chart, Non-Irr.

NP Placement Head, 5.5mm, RDI

Ratchet/Tap Adapter, 12mm

Grommet Plugs (2 packs of 10)

Tapered Implant Sizing Overlays 100% & 125%

Component Pack

Drill Usage Chart, Non-Irr.
**Snap Abutments**
- Snap Abutments are packaged with a Snap Abutment Assembly (8 Newtons (Ncm) – yellow) and laboratory spacer.
- Torque Recommendation – 30Ncm.
- Instrumentation Required:
  - Overdenture Driver (page 28)
  - Ratchet/Tap Adapter, 12mm
  - Ratchet Extender, Short & Long
  - Snap Abutment Accessories

### Snap Abutment Accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abutment Analog</td>
<td>L2B04-01K</td>
</tr>
<tr>
<td>Snap Retention Inserts, 12Ncm (6-pack)</td>
<td>L2B06-12K</td>
</tr>
<tr>
<td>(includes blue retaining rings)</td>
<td></td>
</tr>
<tr>
<td>Assembly (8Ncm) and lab spacer</td>
<td>L2B07-01K</td>
</tr>
<tr>
<td>Seating Tool</td>
<td>L2B08-01K</td>
</tr>
</tbody>
</table>

**Snap Abutment Assembly**

**Cuff**

**Snap Abutment**

---

**Snap Abutment Accessories**

- Abutment Analog: L2B04-01K
- Snap Retention Inserts, 12Ncm (6-pack): L2B06-12K
- Assembly (8Ncm) and lab spacer: L2B07-01K
- Seating Tool: L2B08-01K

---

**Snap Abutments**

<table>
<thead>
<tr>
<th>Size</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75mm, 1mm Cuff</td>
<td>43102K</td>
</tr>
<tr>
<td>3.75mm, 2mm Cuff</td>
<td>43103K</td>
</tr>
<tr>
<td>3.75mm, 3mm Cuff</td>
<td>43104K</td>
</tr>
<tr>
<td>3.75mm, 4mm Cuff</td>
<td>43105K</td>
</tr>
<tr>
<td>4.5/4.75mm, 1mm Cuff</td>
<td>43106K</td>
</tr>
<tr>
<td>4.5/4.75mm, 2mm Cuff</td>
<td>43107K</td>
</tr>
<tr>
<td>4.5/4.75mm, 3mm Cuff</td>
<td>43108K</td>
</tr>
<tr>
<td>4.5/4.75mm, 4mm Cuff</td>
<td>43109K</td>
</tr>
</tbody>
</table>

---

**Snap Abutments are packaged with a Snap Abutment Assembly (8 Newtons (Ncm) – yellow) and laboratory spacer.**

**Torque Recommendation – 30Ncm.**

**Instrumentation Required:**

- Overdenture Driver (page 28)
- Ratchet/Tap Adapter, 12mm
- Ratchet Extender, Short & Long

---

**RENOVA Tapered Surgical Kit**

The RENOVA Tapered Implant Surgical Kit with Drill and Tap Set offers the instrumentation needed to place RENOVA 3.75 and 4.5mm tapered implants.

<table>
<thead>
<tr>
<th>Tapered Surgical Kit</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RENOVA Tapered Surgical Kit</td>
<td>13086K</td>
</tr>
</tbody>
</table>

- Requires the purchase of an Irrigated or Non-Irrigated Drill and Tap Set (13083K or 13084K).

### Tapered Surgical Kit Includes:

- Conversion Handle for Latch Instruments
- NP Placement Head, 5.5mm, RDI
- Direct-to-Implant Ratchet Adapter, Long, SDI
- NP Placement Head, 3.5mm, SDI
- Direct-to-Implant Ratchet Adapter, Long, RDI
- NP Placement Head, 3.5mm, RDI
- Hand Adaptor
- NP Placement Head, 3.5mm, SDI
- Hex Driver, 048*, Latch
- NP Placement Head, 5.5mm, SDI
- Hex Driver, 048*, Swivel, Short
- Hex Driver, 048*, Swivel, Long
- Surgical Ratchet
- Grommet Plugs (2 packs of 10)
- Tapered Implant Sizing Overlays 100% & 125%: 13094K
- NP Placement Head, 5.5mm, RDI
- Surgical & Restorative Guide
- Ratchet Adapter, 8mm
- Wall Chart
- Drill Usage Chart, Non-Irr
- Drill Usage Chart, Irr

---

**RENOVA Tapered Drill and Tap Sets**

<table>
<thead>
<tr>
<th>Drill and Tap Set, Irrigated</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RENOVA Tapered Drill and Tap Sets</td>
<td>13083K</td>
</tr>
</tbody>
</table>

- Drill and Tap Set, Irrigated: 13083K
- Drill and Tap Set, Non-Irrigated: 13084K

### Irrigated Drill and Tap Set Includes:

- Round Marking Bur, 2.3mm: L1405-23-00K
- Initial Drill, 2.0mm, Irrigated: 13075K
- Intermediate Drill, 3.75 x 7mm, Irrigated: 13059K
- Intermediate Drill, 3.75 x 8mm, Irrigated: 13060K
- Intermediate Drill, 3.75 x 9mm, Irrigated: 13061K
- Intermediate Drill, 3.75 x 10mm, Irrigated: 13062K
- Finishing Drill, 3.75 x 6mm, Irrigated: 13063K
- Finishing Drill, 3.75 x 7mm, Irrigated: 13064K
- Finishing Drill, 3.75 x 8mm, Irrigated: 13065K
- Surgical Tap, 3.75 x 10mm, Irrigated: 13078K
- Surgical Tap, 3.75 x 11mm, Irrigated: 13079K
- Surgical Tap, 3.75 x 12mm, Irrigated: 13080K
- Surgical Tap, 3.75 x 13mm, Irrigated: 13081K
- Surgical Tap, 3.75 x 14mm, Irrigated: 13082K

---

**RENOVA Tapered Drill and Tap Sets**

<table>
<thead>
<tr>
<th>Drill and Tap Set, Non-Irrigated</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RENOVA Tapered Drill and Tap Sets</td>
<td>13084K</td>
</tr>
</tbody>
</table>

- Drill and Tap Set, Non-Irrigated: 13084K
- Non-Irrigated Drill and Tap Set Includes:
  - Round Marking Bur, 2.3mm: L1405-23-00K
  - Initial Drill, 2.0mm, Non-Irrigated: 13059K
  - Intermediate Drill, 3.75 x 7mm, Non-Irrigated: 14075K
  - Intermediate Drill, 3.75 x 8mm, Non-Irrigated: 14076K
  - Intermediate Drill, 3.75 x 9mm, Non-Irrigated: 14077K
  - Intermediate Drill, 3.75 x 10mm, Non-Irrigated: 14078K
  - Finishing Drill, 3.75 x 6mm, Non-Irrigated: 14079K
  - Finishing Drill, 3.75 x 7mm, Non-Irrigated: 14080K
  - Finishing Drill, 3.75 x 8mm, Non-Irrigated: 14081K
  - Surgical Tap, 3.75 x 10mm, Non-Irrigated: 14082K
  - Surgical Tap, 3.75 x 11mm, Non-Irrigated: 14083K
  - Surgical Tap, 3.75 x 12mm, Non-Irrigated: 14084K
  - Surgical Tap, 3.75 x 13mm, Non-Irrigated: 14085K
  - Surgical Tap, 3.75 x 14mm, Non-Irrigated: 14086K

---

**Drill Usage Chart**

- Non-Irrigated: 14091
- Irrigated: 14092

---

**Handpiece Adapter**

- NP Placement Head, 5.5mm, RDI
- NP Placement Head, 3.5mm, SDI
- NP Placement Head, 3.5mm, RDI
- NP Placement Head, 5.5mm, SDI
- Surgical & Restorative Guide
- Wall Chart
- Drill Usage Chart, Non-Irr
- Drill Usage Chart, Irr

---

**Snap Abutment Accessories**

- Snap Abutment Assembly
- Cuff

---

**Snap Abutment**

---

**Snap Retention Inserts, 12Ncm (6-pack) (includes blue retaining rings)**

---

**Assembly (8Ncm) and lab spacer**

---

**Seating Tool**

---

**Snap Abutment**

---

**Catalog No.**

---
Round Bur and Initial Drill for Tapered Implants

- Round Bur is used for marking the implant site prior to beginning the drilling sequence.
- Initial Drill is the first drill used for all RENOVA Tapered Implants.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Marking Bur, 2.3mm</td>
<td>L1405-23-00K</td>
</tr>
<tr>
<td>2.0mm, Irrigated (for Tapered Implants)</td>
<td>13057K</td>
</tr>
</tbody>
</table>

Tapered Implant Drills

- Specific drill is used for each implant size.
- Available for use with either internal or external irrigation.

Tapered Intermediate Drills

<table>
<thead>
<tr>
<th>Intermediate Drills</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 10mm, Irrigated</td>
<td>13099K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Irrigated</td>
<td>13060K</td>
</tr>
<tr>
<td>3.75 x 13mm, Irrigated</td>
<td>13061K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Irrigated</td>
<td>13062K</td>
</tr>
<tr>
<td>3.75 x 10mm, Non-Irrigated</td>
<td>14072K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Non-Irrigated</td>
<td>14073K</td>
</tr>
<tr>
<td>3.75 x 13mm, Non-Irrigated</td>
<td>14074K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Non-Irrigated</td>
<td>14075K</td>
</tr>
</tbody>
</table>

Tapered Finishing Drills

- Used when deeper implant placement is desired.
- Alternative to the Tapered Finishing Drills with Drill-Stops.
- Internally irrigated.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 10mm, Irrigated</td>
<td>13088K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Irrigated</td>
<td>13089K</td>
</tr>
<tr>
<td>3.75 x 13mm, Irrigated</td>
<td>13090K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Irrigated</td>
<td>13091K</td>
</tr>
</tbody>
</table>

Tapered Surgical Taps

- For pre-tapping bone prior to tapered implant placement.
- Latch-type tap can be used in a handpiece or can be operated manually when used with the Surgical Ratchet (L1702-01K) and Ratchet/Tap Adapter (L1806-05K).
- Tapping is required in Type I and II dense bone and is optional in Type III bone. Pre-tapping in Type IV bone is NOT recommended.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 10mm, Irrigated</td>
<td>13075K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Irrigated</td>
<td>13076K</td>
</tr>
<tr>
<td>3.75 x 13mm, Irrigated</td>
<td>13077K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Irrigated</td>
<td>13078K</td>
</tr>
<tr>
<td>3.75 x 10mm, Non-Irrigated</td>
<td>14088K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Non-Irrigated</td>
<td>14089K</td>
</tr>
<tr>
<td>3.75 x 13mm, Non-Irrigated</td>
<td>14090K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Non-Irrigated</td>
<td>14091K</td>
</tr>
</tbody>
</table>

For recommended drill sequences and details on depth markings, refer to page 37.
Round Bur and Initial Drill for Tapered Implants
- Round Bur is used for marking the implant site prior to beginning the drilling sequence.
- Initial Drill is the first drill used for all RENOVA Tapered Implants.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Marking Bur, 2.3mm</td>
<td>L1405-23-00K</td>
</tr>
<tr>
<td>2.0mm, Irrigated (for Tapered Implants)</td>
<td>13057K</td>
</tr>
</tbody>
</table>

Tapered Implant Drills
- Specific drill is used for each implant size.
- Available for use with either internal or external irrigation.

Tapered Intermediate Drills

<table>
<thead>
<tr>
<th>Intermediate Drills</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 10mm, Irrigated</td>
<td>13059K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Irrigated</td>
<td>13060K</td>
</tr>
<tr>
<td>3.75 x 13mm, Irrigated</td>
<td>13061K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Irrigated</td>
<td>13062K</td>
</tr>
<tr>
<td>3.75 x 10mm, Non-Irrigated</td>
<td>14072K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Non-Irrigated</td>
<td>14073K</td>
</tr>
<tr>
<td>3.75 x 13mm, Non-Irrigated</td>
<td>14074K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Non-Irrigated</td>
<td>14075K</td>
</tr>
</tbody>
</table>

Tapered Finishing Drills

<table>
<thead>
<tr>
<th>Finishing Drills</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 10mm, Irrigated</td>
<td>13067K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Irrigated</td>
<td>13068K</td>
</tr>
<tr>
<td>3.75 x 13mm, Irrigated</td>
<td>13069K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Irrigated</td>
<td>13070K</td>
</tr>
<tr>
<td>3.75 x 10mm, Non-Irrigated</td>
<td>13051K</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Non-Irrigated</td>
<td>13052K</td>
</tr>
<tr>
<td>3.75 x 13mm, Non-Irrigated</td>
<td>13053K</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Non-Irrigated</td>
<td>13054K</td>
</tr>
</tbody>
</table>

Tapered Surgical Taps
- For pre-tapping bone prior to tapered implant placement.
- Latch-type tap can be used in a handpiece or can be operated manually when used with the Surgical Ratchet (L1702-01K) and Ratchet/Tap Adapter (L1806-05K).
- Tapping is required in Type I and II dense bone and is optional in Type III bone. Pre-tapping in Type IV bone is NOT recommended.

<table>
<thead>
<tr>
<th>Item Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 x 10mm, Irrigated</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Irrigated</td>
</tr>
<tr>
<td>3.75 x 13mm, Irrigated</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Irrigated</td>
</tr>
<tr>
<td>3.75 x 10mm, Non-Irrigated</td>
</tr>
<tr>
<td>3.75 x 11.5mm, Non-Irrigated</td>
</tr>
<tr>
<td>3.75 x 13mm, Non-Irrigated</td>
</tr>
<tr>
<td>3.75 x 14.5mm, Non-Irrigated</td>
</tr>
</tbody>
</table>

For recommended drill sequences and details on depth markings, refer to page 37.
RENOVA Straight Surgical Kit

The RENOVA Straight (parallel walled) Implant Surgical Kit contains the instrumentation needed to place RENOVA 3.75 and 4.75mm Straight Implants. The RENOVA Straight Implant Surgical Kit includes Non-Irrigated drills and taps.

Straight Surgical Kit Includes:

- Round Marking Bur, 2.3mm
- Initial Drill, 2.0mm, Non-Irrigated
- Twist Drill, 2.35 x 11.5mm, Non-Irrigated
- Twist Drill, 2.35 x 16mm, Non-Irrigated
- Twist Drill, 2.8 x 11.5mm, Non-Irrigated
- Twist Drill, 2.8 x 16mm, Non-Irrigated
- Twist Drill, 3.25 x 11.5mm, Non-Irrigated
- Twist Drill, 3.25 x 16mm, Non-Irrigated
- Pilot Drill, 3.25/4.25mm, Irrigated
- Pilot Drill, 4.25 x 11.5mm, Non-Irrigated
- Pilot Drill, 4.25 x 16mm, Non-Irrigated
- Countersink Drill, 3.75mm, Non-Irrigated
- Countersink Drill, 4.75mm, Non-Irrigated
- Surgical Tap, 3.75 x 11.5mm, Non-Irrigated
- Surgical Tap, 3.75 x 16mm, Non-Irrigated
- Surgical Tap, 4.75 x 11.5mm, Non-Irrigated
- Surgical Tap, 4.75 x 16mm, Non-Irrigated
- Depth Gauge, 2.35mm
- Conversion handle for Latch Instruments
- Direct-to-Implant Ratchet Adapter, Long, SDI
- Direct-to-Implant Ratchet Adapter, Long, RDI
- Locking Drill Extender
- Hand Adapter
- Hardpiece Adapter
- Hex Driver, 0.48", Latch-Type, Short
- Hex Driver, 0.48", Swivel, Short
- Hex Driver, 0.48", Swivel, Long
- NP Placement Head, 3.5mm, SDI
- NP Placement Head, 3.5mm, RDI
- Parallel Pins, 2.0mm (2-pack)
- Ratchet Adapter, 8mm
- Ratchet Adapter, Short and Long
- Ratchet Extender, Short and Long
- Surgical Ratchet
- Component Pack
- Grommet Plugs (2 packs of 10)
- Straight Implant Sizing Overlays 100% & 125%
- Depth Gauge, 2.35mm
- Wall Chart
- Drill Usage Chart
- Locking Drill Extender
- Hand Adapter
- Hardpiece Adapter
- Hex Driver, 0.48", Latch-Type, Short
- Hex Driver, 0.48", Swivel, Short
- Hex Driver, 0.48", Swivel, Long
- NP Placement Head, 3.5mm, SDI
- NP Placement Head, 3.5mm, RDI
- Parallel Pins, 2.0mm (2-pack)
- Ratchet Adapter, 8mm
- Ratchet Adapter, Short and Long
- Ratchet Extender, Short and Long
- Surgical Ratchet
- Component Pack
- Grommet Plugs (2 packs of 10)
- Straight Implant Sizing Overlays 100% & 125%
- Depth Gauge, 2.35mm
- Wall Chart
- Drill Usage Chart

Drills for Straight Implants

- Non-Irrigated

Offered in 2 lengths:
- Short – for Straight Implants up to 11.5mm
- Long – for Straight Implants up to 16mm

Pilot Drill

- Internally Irrigated.

Countersink Drills

- Contours ridge prior to placing 3.75mm and 4.75mm Straight Implants, allowing implant and cover screw placement at or below the surrounding bone level.
- Non-Irrigated.

For recommended drill sequences and details on drill depth markings, refer to page 38.

Round Bur and Initial Drill for Straight Implants

- Round Bur is used for marking the implant site prior to beginning the drilling sequence.
- Initial Drill is the first drill used for all Straight Implants.

Drills Catalog No.

- 2.35 x 11.5mm  13031K
- 2.35 x 16mm  13032K
- 2.8 x 11.5mm  13033K
- 2.8 x 16mm  13034K
- 3.25 x 11.5mm  13035K
- 3.25 x 16mm  13036K
- 4.25 x 11.5mm  13038K
- 4.25 x 16mm  13039K

Pilot Drill Catalog No.

- 3.25/4.25 Pilot Drill  13037K

Countersink Drills Catalog No.

- 3.75mm  13040K
- 4.75mm  13041K

Surgical Tap Catalog No.

- 3.75 x 11.5mm  13042K
- 3.75 x 16mm  13043K
- 4.75 x 11.5mm  13044K
- 4.75 x 16mm  13045K
surgical kit for RENOVA straight implants

RENOVA Straight Surgical Kit
The RENOVA Straight (parallel walled) Implant Surgical Kit contains the instrumentation needed to place RENOVA 3.75 and 4.75mm Straight Implants. The RENOVA Straight Implant Surgical Kit includes Non-Irrigated drills and taps.

<table>
<thead>
<tr>
<th>Straight Surgical Kit</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RENOVA Straight Surgical Kit</td>
<td>13010K</td>
</tr>
</tbody>
</table>

Straight Surgical Kit Includes:

- **Round Marking Bur, 2.3mm** L1405-23-00K
- **Initial Drill, 2.0mm, Non-Irrigated** 13058K
- **Twist Drill, 2.35 x 11.5mm, Non-Irrigated** 13031K
- **Twist Drill, 2.35 x 16mm, Non-Irrigated** 13032K
- **Twist Drill, 2.8 x 11.5mm, Non-Irrigated** 13033K
- **Twist Drill, 2.8 x 16mm, Non-Irrigated** 13034K
- **Round Bur and Initial Drill for Straight Implants** L1406-01K
- **Round Bur, 2.3mm** L1404-01K
- **Hand Adapter** L1406-02K
- **Hex Driver, .048”, Latch-Type, Short** R9121K
- **Hex Driver, .048”, Swivel, Long** R9122K
- **NP Placement Head, 3.5mm, SDI** 10585K
- **NP Placement Head, 3.5mm, RDI** 10587K
- **Parallel Pins, 2.0mm (2-pack)** 10028K
- **Ratchet Adapter, 8mm** L1806-04K
- **Ratchet Tap Adapter, 12mm** L1806-05K
- **Ratchet Extender, Short and Long** L1709-01K
- **Ratchet Extender, Short and Long** L1709-01K
- **Stabilizing Wrench** L1709-01K
- **Surgical Ratchet** L1804-01K
- **Component Pack** L1804-01K
- **Surgical Tap, 3.75 x 16mm, Non-Irrigated** 13043K
- **Surgical Tap, 3.75 x 11.5mm, Non-Irrigated** 13044K
- **Surgical Tap, 3.75 x 11.5mm, Non-Irrigated** 13045K
- **Surgical Tap, 3.75 x 11.5mm, Non-Irrigated** 13046K
- **Surgical Tap, 3.75 x 11.5mm, Non-Irrigated** 13047K
- **Depth Gauge, 2.35mm** 10589K
- **Conversion handle for Latch Instruments** L1407K
- **Drill Usage Chart** L1407K
- **Direct-to-Implant Ratchet Adapter, Long, SDI** 10591K
- **Direct-to-Implant Ratchet Adapter, Long, RDI** 10593K

For recommended drill sequences and details on drill depth markings, refer to page 38.

**Round Bur and Initial Drill for Straight Implants**
- **Round Bur is used for marking the implant site prior to beginning the drilling sequence.**
- **Initial Drill is the first drill used for all Straight Implants.**

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Marking Bur, 2.3mm</td>
<td>13058K</td>
</tr>
<tr>
<td>2.0mm, Non-Irrigated (for Straight Implants)</td>
<td>13058K</td>
</tr>
</tbody>
</table>

**Drills for Straight Implants**
- **Non-Irrigated.**
- **Offered in 2 lengths:** Short – for Straight Implants up to 11.5mm Long – for Straight Implants up to 16mm

<table>
<thead>
<tr>
<th>Drills</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.35 x 11.5mm</td>
<td>13031K</td>
</tr>
<tr>
<td>2.35 x 16mm</td>
<td>13032K</td>
</tr>
<tr>
<td>2.8 x 11.5mm</td>
<td>13033K</td>
</tr>
<tr>
<td>2.8 x 16mm</td>
<td>13034K</td>
</tr>
<tr>
<td>3.25 x 11.5mm</td>
<td>13035K</td>
</tr>
<tr>
<td>3.25 x 16mm</td>
<td>13036K</td>
</tr>
<tr>
<td>3.75 x 11.5mm</td>
<td>13037K</td>
</tr>
<tr>
<td>3.75 x 16mm</td>
<td>13038K</td>
</tr>
</tbody>
</table>

**Pilot Drill**
- **Internally Irrigated.**

<table>
<thead>
<tr>
<th>Pilot Drill</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.25/4.25 Pilot Drill</td>
<td>13037K</td>
</tr>
</tbody>
</table>

**Countersink Drills**
- **Counts ridge prior to placing 3.75mm and 4.75mm Straight Implants, allowing implant and cover screw placement at or below the surrounding bone level.**
- **Non-Irrigated.**

<table>
<thead>
<tr>
<th>Countersink Drills</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75mm</td>
<td>13040K</td>
</tr>
<tr>
<td>4.75mm</td>
<td>13041K</td>
</tr>
</tbody>
</table>

www.keystonedental.com
**Straight Surgical Taps**
- For pre-tapping bone prior to implant placement.
- Tap can be used in a handpiece or can be operated manually when used with the Surgical Ratchet (L1702-01K) and Ratchet/Tap Adapter (L1806-05K).
- Non-Irrigated.
- Offered in 2 lengths:
  - Short – for Straight Implants up to 11.5mm
  - Long – for Straight Implants up to 16mm

**Depth Gauge**
- Verifies depth of the surgical site.
- Depth marks correspond to implant lengths.

**Parallel Pins**
- Used as a visual guide during surgery to help ensure parallel implant placement.

**Surgical Ratchet, Adapter and Extenders**
- Ratchet is used for manual operation of Surgical Taps and/or final tightening of the implant.
- Ratchet Extenders enable clearance of adjacent teeth.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical Ratchet</td>
<td>L1702-01K</td>
</tr>
<tr>
<td>Ratchet Adapter, 8mm</td>
<td>L1806-04K</td>
</tr>
<tr>
<td>Ratchet/Tap Adapter, 12mm</td>
<td>L1806-05K</td>
</tr>
<tr>
<td>Ratchet Extender, Short &amp; Long</td>
<td>L1703-01K</td>
</tr>
<tr>
<td>Replacement O-Rings for Ratchet Adapter (4-pack)</td>
<td>L1806-03K</td>
</tr>
</tbody>
</table>

**Narrow Profile (NP) Placement Heads**
- Narrow design improves intra-oral access during implant placement.
- Color anodized for easy identification of implant/placement head junction.
- External flats correspond to the flats of the implants internal hex for easy indexing.

Instrumentation Required:
- .048” Hex Driver (page 27) or a slot driver.

<table>
<thead>
<tr>
<th>Placement Heads</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5mm Placement Head</td>
<td>10585K</td>
</tr>
<tr>
<td>5.5mm Placement Head</td>
<td>10586K</td>
</tr>
<tr>
<td>3.5mm Placement Head</td>
<td>10587K</td>
</tr>
<tr>
<td>5.5mm Placement Head</td>
<td>10588K</td>
</tr>
</tbody>
</table>
Straight Surgical Taps
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  - Long – for Straight Implants up to 16mm

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- Ratchet Extenders enable clearance of adjacent teeth.

Depth Gauge Catalog No.
- 2.35mm (for Straight Implants) 10589K

Parallel Pins Catalog No.
- 2.0mm for Tapered & Straight Implants (2-pack) 10028K
- 2.35/2.8mm for Straight Implants (2-pack) 13029K

Placement Heads Catalog No.
- 3.5mm Placement Head 10585K
- 3.5mm Placement Head 10587K

Replacement O-Rings Catalog No.
- for Ratchet Adapter (4-pack) L1806-03K

Narrow Profile (NP) Placement Heads
- Narrow design improves intra-oral access during implant placement.
- Color anodized for easy identification of implant/placement head junction.
- External flats correspond to the flats of the implants internal hex for easy indexing.

Instrumentation Required:
- .048” Hex Driver (page 27) or a slot driver.

Surgical Taps Catalog No.
- 3.75 x 11.5mm, Non-Irrigated 13042K
- 3.75 x 16mm, Non-Irrigated 13043K
- 4.75 x 11.5mm, Non-Irrigated 13044K
- 4.75 x 16mm, Non-Irrigated 13045K
Direct-to-Implant Ratchet Adapters
- Connects directly to RENOVA Tapered and Straight Implant prosthetic connections for adjusting implant insertion depth during first stage surgery.
- Used in conjunction with the Surgical Ratchet.

### Ratchet Adapters

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75mm Adapter, Short</td>
<td>10590K</td>
</tr>
<tr>
<td>3.75mm Adapter, Long</td>
<td>10591K</td>
</tr>
<tr>
<td>4.5/4.75mm Adapter, Short</td>
<td>10592K</td>
</tr>
<tr>
<td>4.5/4.75mm Adapter, Long</td>
<td>10593K</td>
</tr>
</tbody>
</table>

Stabilizing Wrench
- For use only with Narrow Profile (NP) Placement Heads.
- Use open or closed end to stabilize the implant during loosening of the placement head screw.
- Features a special pin to engage the Ratchet Adapter (L1806-04K) and stabilize the implant during manual placement.

### Stabilizing Wrench

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stabilizing Wrench</td>
<td>L1709-01K</td>
</tr>
</tbody>
</table>

Handpiece Adapter (for NP Placement Head)
- Inserts into the handpiece and connects to the RENOVA NP Placement Head for motor driven implant placement.

### Handpiece Adapter

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handpiece Adapter</td>
<td>L1406-01K</td>
</tr>
<tr>
<td>Handpiece Adapter, Long</td>
<td>L13085K</td>
</tr>
</tbody>
</table>

Conversion Handle for Latch-Type Instruments
- Connects to the end of any latch-type instrument or driver for hand operation.
- May be used on the Handpiece Adapter to allow hand delivery and seating of an implant.

### Conversion Handle

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion Handle</td>
<td>L1407K</td>
</tr>
</tbody>
</table>

Hand Adapter (for NP Placement Head)
- Connects to the RENOVA NP Placement Head and carries the implant to the surgical site for hand implant delivery.
- Can also be used to remove the placement head by inserting a hex driver through the top end to loosen the screw and then carry the placement head assembly out of the mouth.

### Hand Adapter

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Adapter</td>
<td>L1406-02K</td>
</tr>
</tbody>
</table>

Locking Drill Extender
- Adds 17mm of length to any latch-type drill or driver.
- Useful when drilling or tapping next to adjacent teeth.

### Locking Drill Extender

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking Drill Extender</td>
<td>L1404-01K</td>
</tr>
</tbody>
</table>

Implant Sizing Overlays
- Use these transparent overlays with radiographs for pre-surgical assessment and implant selection.
- 100% Sizing Overlay for use with periapical x-rays.
- 125% Sizing Overlay for panoramic radiographs.

### Implant Sizing Overlays

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tapered Implants, 100% &amp; 125%</td>
<td>13096K</td>
</tr>
<tr>
<td>Straight Implants, 100% &amp; 125%</td>
<td>13097K</td>
</tr>
</tbody>
</table>

Surgical Hand Driver
- Connects to implant placement head for hand-driven implant placement in the anterior region.
- Carrying feature holds the implant when transporting from package to the implant site.

### Surgical Hand Driver

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical Hand Driver</td>
<td>L1414-01K</td>
</tr>
</tbody>
</table>

Internal Thread Taps for Implants
- Used to reform the internal threads of an implant if cross-threading has occurred.
- RENOVA implants feature an M1.8 internal thread.

### Internal Thread Tap

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Thread Tap</td>
<td>13046K</td>
</tr>
</tbody>
</table>
# surgical instrumentation

## Direct-to-Implant Ratchet Adapters
- Connects directly to RENOVA Tapered and Straight Implant prosthetic connections for adjusting implant insertion depth during first stage surgery.
- Used in conjunction with the Surgical Ratchet.

<table>
<thead>
<tr>
<th>Ratchet Adapters</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75mm Adapter, Short</td>
<td>10590K</td>
</tr>
<tr>
<td>3.75mm Adapter, Long</td>
<td>10591K</td>
</tr>
<tr>
<td>4.5/4.75mm Adapter, Short</td>
<td>10592K</td>
</tr>
<tr>
<td>4.5/4.75mm Adapter, Long</td>
<td>10593K</td>
</tr>
</tbody>
</table>

## Stabilizing Wrench
- For use only with Narrow Profile (NP) Placement Heads.
- Use open or closed end to stabilize the implant during loosening of the placement head screw.
- Features a special pin to engage the Ratchet Adapter (L1806-04K) and stabilize the implant during manual placement.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stabilizing Wrench</td>
<td>L1709-01K</td>
</tr>
</tbody>
</table>

## Handpiece Adapter (for NP Placement Head)
- Inserts into the handpiece and connects to the RENOVA NP Placement Head for motor driven implant placement.

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<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handpiece Adapter</td>
<td>L1406-01K</td>
</tr>
<tr>
<td>Handpiece Adapter, Long</td>
<td>L13085K</td>
</tr>
</tbody>
</table>

## Conversion Handle for Latch-Type Instruments
- Connects to the end of any latch-type instrument or driver for hand operation.
- May be used on the Handpiece Adapter to allow hand delivery and seating of an implant.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion Handle</td>
<td>L1407K</td>
</tr>
</tbody>
</table>

## Hand Adapter (for NP Placement Head)
- Connects to the RENOVA NP Placement Head and carries the implant to the surgical site for hand implant delivery.
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<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Adapter</td>
<td>L1406-02K</td>
</tr>
</tbody>
</table>

## Locking Drill Extender
- Adds 17mm of length to any latch-type drill or driver.
- Useful when drilling or tapping next to adjacent teeth.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking Drill Extender</td>
<td>L1404-01K</td>
</tr>
</tbody>
</table>

## Implant Sizing Overlays
- Use these transparent overlays with radiographs for pre-surgical assessment and implant selection.
- 100% Sizing Overlay for use with periapical x-rays.
- 125% Sizing Overlay for panoramic radiographs.

<table>
<thead>
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<th>Item</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Tapered Implants, 100% &amp; 125%</td>
<td>13096K</td>
</tr>
<tr>
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<td>13097K</td>
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</tbody>
</table>

## Surgical Hand Driver
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- Carrying feature holds the implant when transporting from package to the implant site.

<table>
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<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical Hand Driver</td>
<td>L1414-01K</td>
</tr>
</tbody>
</table>

## Internal Thread Taps for Implants
- Used to reform the internal threads of an implant if cross-threading has occurred.
- RENOVA implants feature an M1.8 internal thread.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Thread Tap</td>
<td>13046K</td>
</tr>
</tbody>
</table>
## Accu-Torque Wrenches

- Pre-calibrated wrenches precisely deliver 20Ncm or 30Ncm of torque.
- Conversion Handle allows use of Accu-Torque Driver Tips and Ratchet Adapters as hand drivers.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accu-Torque Wrench, 20Ncm</td>
<td>ISS1101K</td>
</tr>
<tr>
<td>Accu-Torque Wrench, 30Ncm</td>
<td>ISS1102K</td>
</tr>
<tr>
<td>Conversion Handle for Accu-Torque Driver Tips and Ratchet Adapters, Swivel Head</td>
<td>ISS1112K</td>
</tr>
<tr>
<td>Replacement O-Rings for Accu-Torque Drivers (6-pack)</td>
<td>ISS1111K</td>
</tr>
</tbody>
</table>

## Torque Wrench Care & Maintenance

**Cleaning and Sterilization:**
- Before initial use and after each procedure, clean the torque wrench with wet towel or disinfectant wipe.
- Rinse under warm tap water and wipe dry
- Before sterilization, spray an approved (handpiece type) instrument lubricant into the opening at the back of the wrench.
- Sterilize with the handle in the broken position. Wrench may be sterilized by steam autoclave.
- Always use the dry cycle.
- Do not use “Flash Sterilization” techniques.
- After sterilization, reset the torque break handle, then manually “break” the hinge again to ensure the wrench is operating correctly.

**Calibration:**
For proper function and accurate control, Accu-Torque Wrenches should be calibrated every 6 months (or after 100 autoclave cycles). For calibration or repair, wrenches should be sent directly to:

Micromotor Repair Station  
2361 McGraw Avenue  
Irvine, CA 92614 USA  
800-562-6204  
Outside the U.S.: +1-714-546-4045

## .048" Hex Drivers

- Used for Placement Head Screws, Cover Screws, Healing Caps and Abutment Screws.
- Tapered hex tip allows screws to be carried to the implant site.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>.048&quot; Swivel Head, Short (8mm shaft/19mm total length)</td>
<td>R9121K</td>
</tr>
<tr>
<td>.048&quot; Swivel Head, Long (13mm shaft/24mm total length)</td>
<td>R9122K</td>
</tr>
<tr>
<td>.048&quot; Latch-Type, Short (23mm total length)</td>
<td>L1400-48-23K</td>
</tr>
<tr>
<td>.048&quot; Latch-Type, Long (28mm total length)</td>
<td>L1400-48-28K</td>
</tr>
<tr>
<td>.048&quot; Driver Tip for Accu-Torque Wrench, Short (8mm shaft)</td>
<td>ISS1104K</td>
</tr>
<tr>
<td>.048&quot; Driver Tip for Accu-Torque Wrench, Long (15mm shaft)</td>
<td>ISS1109K</td>
</tr>
</tbody>
</table>

## .062" Hex Drivers

- Used for Fixed Detachable Abutments.
- Tapered hex tip allows screws to be carried to the implant site.

<table>
<thead>
<tr>
<th>Item</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>.062&quot; Swivel Head, Short (8mm shaft/19mm total length)</td>
<td>L2100-62-19K</td>
</tr>
<tr>
<td>.062&quot; Swivel Head, Long (13mm shaft/24mm total length)</td>
<td>L2100-62-24K</td>
</tr>
<tr>
<td>.062&quot; Latch-Type, Short (23mm total length)</td>
<td>L1400-62-19K</td>
</tr>
<tr>
<td>.062&quot; Latch-Type, Long (28mm total length)</td>
<td>L1400-62-23K</td>
</tr>
<tr>
<td>.062&quot; Driver Tip for Accu-Torque Wrench, Short (8mm shaft)</td>
<td>ISS1119K</td>
</tr>
<tr>
<td>.062&quot; Driver Tip for Accu-Torque Wrench, Long (15mm shaft)</td>
<td>ISS1120K</td>
</tr>
</tbody>
</table>
Accu-Torque Wrenches

- Pre-calibrated wrenches precisely deliver 20Ncm or 30Ncm of torque.
- Conversion Handle allows use of Accu-Torque Driver Tips and Ratchet Adapters as hand drivers.

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<tr>
<th>Item Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accu-Torque Wrench, 20Ncm</td>
<td>ISS1101K</td>
</tr>
<tr>
<td>Accu-Torque Wrench, 30Ncm</td>
<td>ISS1102K</td>
</tr>
<tr>
<td>Conversion Handle for Accu-Torque Driver Tips and Ratchet Adapters, Swivel Head</td>
<td>ISS1112K</td>
</tr>
<tr>
<td>Replacement O-Rings for Accu-Torque Drivers (6-pack)</td>
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</tr>
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Torque Wrench Care & Maintenance

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- Rinse under warm tap water and wipe dry.
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- Sterilize with the handle in the broken position.
- Wrench may be sterilized by steam autoclave.
- Always use the dry cycle.
- Do not use “Flash Sterilization” techniques.
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Outside the U.S.: +1-714-546-4045

.048" Hex Drivers

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<td>.048&quot; Swivel Head, Long (13mm shaft/24mm total length)</td>
<td>R9122K</td>
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<tr>
<td>.048&quot; Latch-Type, Short (23mm total length)</td>
<td>L1400-48-23K</td>
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<tr>
<td>.048&quot; Latch-Type, Long (28mm total length)</td>
<td>L1400-48-28K</td>
</tr>
<tr>
<td>.048&quot; Driver Tip for Accu-Torque Wrench, Short (8mm shaft)</td>
<td>ISS1104K</td>
</tr>
<tr>
<td>.048&quot; Driver Tip for Accu-Torque Wrench, Long (15mm shaft)</td>
<td>ISS1109K</td>
</tr>
</tbody>
</table>

.062" Hex Drivers

- Used for Fixed Detachable Abutments.
- Tapered hex tip allows screws to be carried to the implant site.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Catalog No.</th>
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<tbody>
<tr>
<td>.062&quot; Swivel Head, Short (8mm shaft/19mm total length)</td>
<td>L2100-62-19K</td>
</tr>
<tr>
<td>.062&quot; Swivel Head, Long (13mm shaft/24mm total length)</td>
<td>L2100-62-24K</td>
</tr>
<tr>
<td>.062&quot; Latch-Type, Short (23mm total length)</td>
<td>L1400-62-19K</td>
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<tr>
<td>.062&quot; Latch-Type, Long (28mm total length)</td>
<td>L1400-62-23K</td>
</tr>
<tr>
<td>.062&quot; Driver Tip for Accu-Torque Wrench, Short (8mm shaft)</td>
<td>ISS1119K</td>
</tr>
<tr>
<td>.062&quot; Driver Tip for Accu-Torque Wrench, Long (15mm shaft)</td>
<td>ISS1120K</td>
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Overdenture Abutment Drivers

- Used for Snap Abutments.

<table>
<thead>
<tr>
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<th>Catalog No.</th>
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<tbody>
<tr>
<td>Swivel Head, Short (8mm shaft)</td>
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</tr>
<tr>
<td>Latch-Type, Short (23mm total length)</td>
<td>L1404-96-20K</td>
</tr>
<tr>
<td>Driver Tip for Accu-Torque Wrench (8mm shaft)</td>
<td>L2101-96-16K</td>
</tr>
</tbody>
</table>

Hader Bar & Clip System

- A simple, effective bar system featuring a castable bar pattern and nylon clips, which are processed into the prosthesis.
- Mechanical snap retention.

<table>
<thead>
<tr>
<th>Item</th>
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</thead>
<tbody>
<tr>
<td>Hader Castable Bar and Clip System (includes 1 Hader Bar, 6 Processing Clips, 6 Final Clips and 1 Seating Tool)</td>
<td>ISS185HK</td>
</tr>
<tr>
<td>Hader Castable Bar</td>
<td>ISS185BK</td>
</tr>
<tr>
<td>Hader Processing Clips (6-pack)</td>
<td>ISS185HPK</td>
</tr>
<tr>
<td>Hader Final Clips (6-pack)</td>
<td>ISS185HRK</td>
</tr>
<tr>
<td>Hader Clip Seating Tool</td>
<td>ISS185TK</td>
</tr>
<tr>
<td>Hader Metal Housing Clips (6-pack)</td>
<td>ISS526HK</td>
</tr>
</tbody>
</table>

Surgical Trays without Instrumentation

- Replacement surgical kit without instrumentation or component pack.

<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
<td>Tapered Surgical Tray without Instrumentation</td>
<td>13099K</td>
</tr>
<tr>
<td>Straight Surgical Tray without Instrumentation</td>
<td>13098K</td>
</tr>
</tbody>
</table>

Component Pack

- Organizes small surgical or restorative components.
- Autoclavable design with slide lid.
- Interlocks into the base of the Surgical Kit.

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<td>Component Pack</td>
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ImplantMED Surgical Motor:

- Reliable and simple to use.
- Only one 20:1 handpiece needed for drilling, tapping and implant placement.
- Accommodates internal and/or external irrigation.
- Constant torque control (variable from 5 to 50Ncm).
- Full one-year warranty.

The ImplantMED Package includes:

- ImplantMED Surgical Motor including (Catalog No. WH-SI915):
  - Sterile Irrigation Tubing, 5-Pack
  - Irrigation Spike with Roller Clamp
  - Spray Cap (for service oil)
  - Testing Gauge for Latch-Type Instruments (Catalog No. WH-21398)
  - Service Oil (Catalog No. WH-1094)

Please contact W&H Customer Service at 1-800-265-6277 for all W&H ImplantMED and W&H Handpiece services including, technical support, handpiece servicing and warranty claims.

ImplantMED Surgical Motor & Accessories*

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<tr>
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<td>WH-WI75E</td>
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<td>WH-WD79M</td>
</tr>
<tr>
<td>Irrigation Spike with Roller Clamp (for use with ImplantMED Motor)</td>
<td>WH-28554R</td>
</tr>
<tr>
<td>Irrigation Tubing, Sterile (10-pack)</td>
<td>WH-9299</td>
</tr>
<tr>
<td>Irrigation Pump Tubing with Connectors</td>
<td>WH-40139</td>
</tr>
<tr>
<td>Irrigation Pump Tubing without Connectors, (3-pack)</td>
<td>WH-40140</td>
</tr>
<tr>
<td>Irrigation Tubing Clips (5-pack)</td>
<td>WH-40190</td>
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<tr>
<td>Y-Connector</td>
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<td>WH-26547</td>
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<tr>
<td>Travel Case</td>
<td>WH-CASE</td>
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Overdenture Abutment Drivers

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* ImplantMED is available only in the United States.
DynaBlast™ Demineralized Bone Matrix with Cancellous Bone

A composite graft product that combines osteoinductive and osteoconductive elements in a proprietary, reverse phase medium. This powerful 2-in-1 solution combines:

- Demineralized bone, which stimulates new bone growth, and
- Cancellous chips, which provide a natural structural scaffold to encourage the attachment of osteogenic precursor cells.

Available in both putty and paste, DynaBlast can be used either alone or as a bone graft extender indicated for augmentation or reconstructive treatment of the alveolar ridge.

<table>
<thead>
<tr>
<th>Item</th>
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<tbody>
<tr>
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<tr>
<td>DynaBlast paste 1.0cc</td>
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</tr>
<tr>
<td>DynaBlast paste 3.0cc</td>
<td>10.210.1070</td>
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</tbody>
</table>

DynaGraft-D™ Osteoinductive Dental Bone Graft Substitute

A unique graft substitute composed of a high content of human Demineralized Bone Matrix (DBM) in reverse phase medium that is designed to stimulate natural bone formation. Available in putty or gel form. DynaGraft-D can be used either alone or as a bone graft extender indicated for augmentation or reconstructive treatment of the alveolar ridge.

DynaBlast and DynaGraft-D should be stored at room temperature (15˚ C to 30˚ C) in a clean, dry place. Do not refrigerate, freeze or expose to extreme heat. DynaBlast and DynaGraft-D are made from human bone. As biological materials, some variations in the product should be expected, such as in appearance and in handling.

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<tr>
<td>DynaGraft-D gel 0.5cc</td>
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<tr>
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<td>DynaGraft-D putty 2.5cc</td>
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DynaMatrix™ Extracellular Membrane

DynaMatrix is a biological extracellular membrane (ECM) that contains two of the three essential biological components required for healing:
- Matrix scaffold
- Signals, which are growth factors and ECM cell receptor-mediated binding sites

Once implanted, these components work together to stimulate the recruitment of the body's cells, which in turn become the third component critical to healing.
- Combines remarkable strength and flexible handling.
- Can be cut, rolled or folded to accommodate defect site requirements.
- Pliable enough to facilitate handling, yet strong enough to be sutured or tacked.

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<tr>
<th>Item</th>
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<tbody>
<tr>
<td>DynaMatrix 15 x 20mm, single pack</td>
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<td>DynaMatrix 30 x 40mm, single pack</td>
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SDI 3.75mm RENOVA Tapered Implant

RDI 4.5mm RENOVA Tapered Implant

Depth Marking System (for Tapered Implants)

SDI 3.75mm RENOVA Straight Implant

RDI 4.75mm RENOVA Straight Implant

Depth Marking System (for Straight Implants)

NOTE: Drill stops and bands reference the insertion depth for the corresponding implant length.

NOTE: Drill bands reference the insertion depth for the corresponding implant length and do not indicate actual millimeter drill length.
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Depth Marking System (for Tapered Implants)

Depth Marking System (for Straight Implants)
order and warranty information

**PRICING:** Prices are subject to change without notice.

**PAYMENT TERMS AND OPTIONS (US ONLY):** Prepayment for first-time orders may be required. For your convenience, we accept Visa, MasterCard, and American Express. Please send invoice payments by check to: Keystone Dental, Inc., P.O. Box 71707, Dallas, TX 75373-1027. A $20.00 fee will be applied to your account for any returned checks.

**SHIPPING INFORMATION:** Orders shipped within the continental U.S. are normally sent by second day delivery, unless otherwise specified. Please be sure to include a street address and phone number. Shipments sent outside the continental U.S. are sent by air courier.

**RUSH ORDERS:** Overnight delivery services, within the U.S., are available at additional cost. Please contact Keystone Dental’s Customer Service Department for assistance. Additional freight options include Ground, Second Day Air, Next Day PM, or Next Day AM (where available).

**MEDICAL DEVICE REPORTING:** If you experience a problem with a Keystone Dental product that you believe falls within the scope of the Medical Device Reporting regulations, please contact Keystone Dental’s Customer Service Department immediately for shipping instructions. Product exposed to blood or bodily fluids must be properly labeled for safe shipment and handling.

**LIMITED LIFETIME WARRANTY:** Keystone Dental offers a Limited Lifetime Warranty on implants and restorative components. For information, please contact Keystone Dental’s Customer Service Department.

**GENERAL LIMITED WARRANTY:** Keystone Dental warrants that its products will be free from defects in material and workmanship and shall be of merchantable quality. This warranty applies only to the original purchaser. In the event of a defect, please notify Keystone Dental’s Customer Service Department of the defect prior to returning product. Keystone Dental also offers a Limited Lifetime Warranty on implants and restorative components. Keystone Dental makes no other warranties, express or implied, except as set forth above. Please contact Keystone Dental’s Customer Service Department for full details.

**LIMITATIONS:** Purchaser assumes all risks and liabilities resulting from the use of these products, whether used separately or in combination with other products manufactured for or by Keystone Dental, Inc. Keystone Dental strongly recommends completion of postgraduate dental implant education and strict adherence to the procedures outlined on the instructions for use when using Keystone Dental products, regarding surgical site preparation, proper protocol of surgery, exposure, implant or abutment implantation, or any other processes that involve the surgical dental implant.

**RETURN/EXCHANGE POLICY:** To return an item, contact Keystone Dental’s Customer Service Department for a Return Material Authorization (RMA) number. No product returns will be accepted without an RMA number. Returned product must be unexpired, unopened, undamaged and be received as follows:

- Within 30 days of the invoice date, Keystone Dental will offer full credit of the initial purchase price.
- At 31-90 days from the invoice date, Keystone Dental will accept return product for exchange only, less a processing fee equal to 15% of the list price.
- At 91-180 days from the invoice date, Keystone Dental will accept return product for exchange only, less a processing fee equal to 15% of the list price.
- At 181-360 days from the invoice date, Keystone Dental will accept return product for exchange only, less a processing fee equal to 15% of the list price.
- After 360 days from the invoice date, Keystone Dental will not accept return product for exchange beyond 360 days from the invoice date. Due to the nature of the products, Keystone Dental has a strict NO RETURN policy on all regenerative bone grafting & membrane products. Credit will not be issued for products(s) originally from Kits, Packs, Sets, or if the original invoice included the items at no charge. Cash refunds cannot be issued for return purchase by credit card. Credit for such return will be applied to the purchaser’s credit card account. For product returns because of defective products or items under warranty, please contact Keystone Dental’s Customer Service Department.

**DRIVER AND SURGICAL INSTRUMENT WARRANTY:** Keystone Dental recommends that drivers and other instruments be replaced when worn, corroded, dull or otherwise compromised. Keystone Dental warrants its drivers and other surgical instruments to be free from defects in material and workmanship for six months. If the warranted driver or instrument fails within the first six months, the purchaser is to notify Keystone Dental’s Customer Service Department prior to returning the product. Keystone Dental will, at its option, either repair, replace or issue credit for the defective item. Accidental misuse, inappropriate installations or failure to follow manufacturer’s directions voids the warranty. This warranty does not include Surgical Drills and Torque Wrenches as they are covered under separate warranties. No other warranties or guarantees, whether expressed, implied, or arising by law, apply.

**SURGICAL DRILL AND TORQUE WRENCH WARRANTY:** Keystone Dental warrants its drills and torque wrenches to be free from defects in material and workmanship from the date of the original invoice. The warranted driver or instrument fails within the first ninety days, the purchaser is to notify Keystone Dental’s Customer Service Department prior to returning the product. Keystone Dental will, at its option, either repair or replace the defective item. Accidental misuse, inappropriate installations or failure to follow manufacturer’s directions voids the warranty. Keystone Dental’s Surgical Manual recommends drills be replaced when worn, corroded, dull, or otherwise compromised. Drills should be replaced after approximately 20 uses (depending on bone density), or every six months, whichever comes first. No product will be accepted at Keystone Dental without a Return Material Authorization number.

**W&H HANDPIECE AND MOTORWARRANTY:** W&H (Impex Worldwide, Inc.) warrants handpieces and motors for one year to be free of defects in material and workmanship. W&H’s sole obligation under this warranty is, in its discretion, to repair or replace any defective component or product in part or whole. Accidental misuse, inappropriate installations, use of inappropriate lubrication, or failure to follow the care and maintenance instructions voids the warranty. In the event of an alleged defect under warranty and continued service after the warranty period, please contact W&H Client Service at: 1-800-265-6277.

The W&M Motor System is available from Keystone Dental only in the United States.