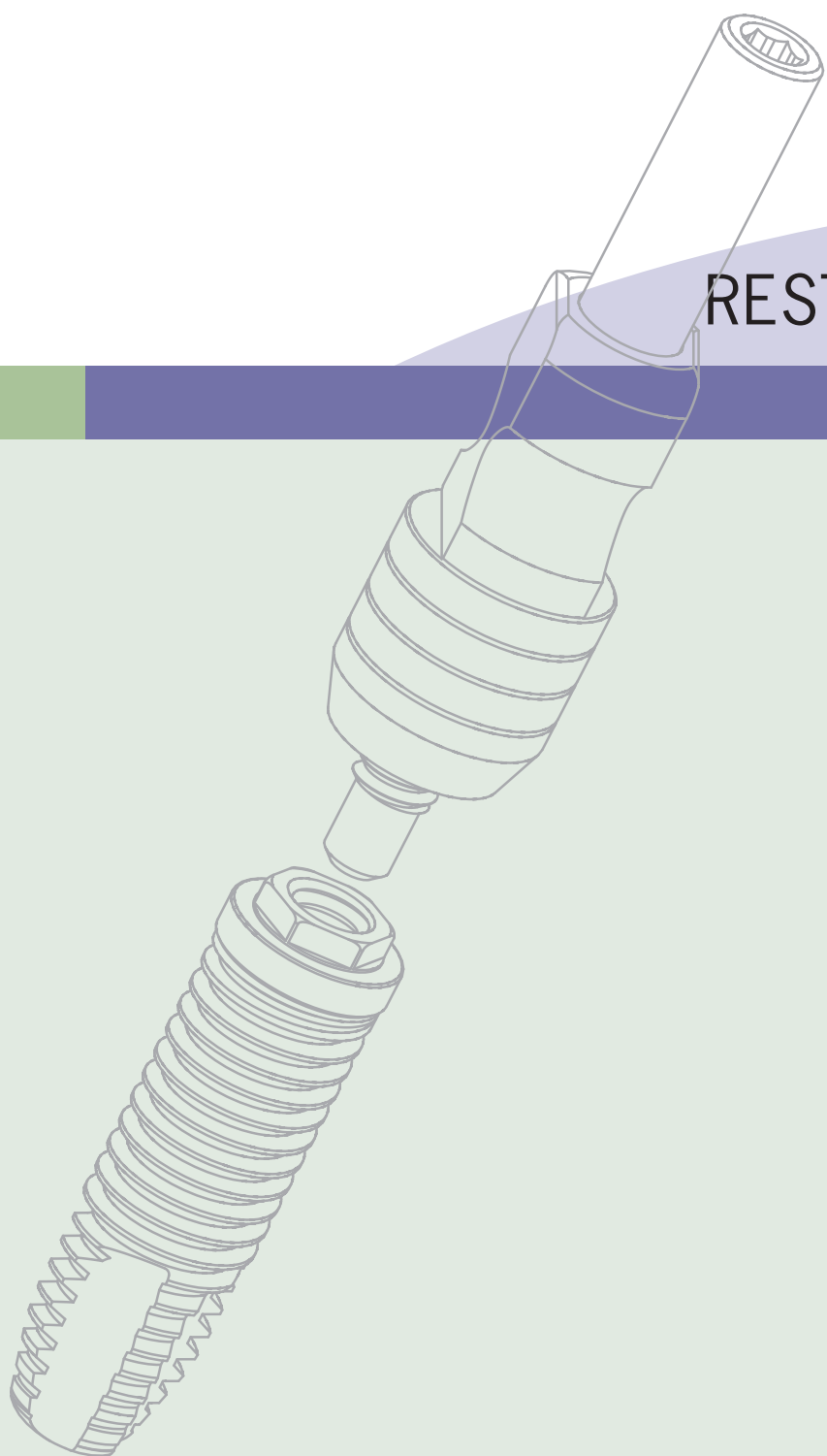




RESTORE® Implant System

Product Catalog



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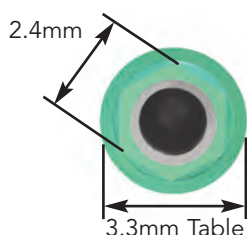
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RESTORE system overview

Prosthetic Tables

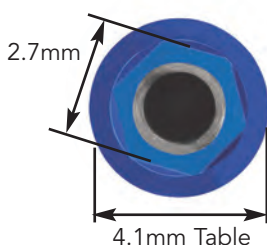
Keystone Dental's external hex dental implants are engineered around three prosthetic table diameters for clinical versatility, stability and strength. "Prosthetic Table" refers to the outside diameter at the top of the implant where the prosthetic component interfaces with the implant. The Restore prosthetic tables are divided into Small Diameter (SD), Regular Diameter (RD) and Wide Diameter (WD). Each diameter is described below.



Small Diameter

Surgical and Restorative Flexibility

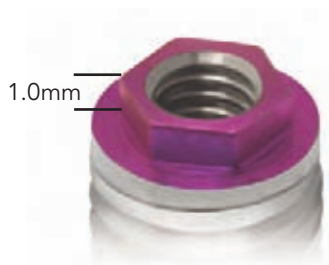
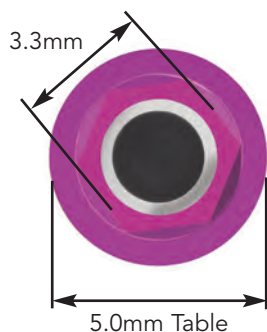
- Used on Restore 3.3mm implants.
- The SD implant's narrow prosthetic table makes it an excellent choice when interproximal space is limited.
- The SD's 1mm tall external hex provides greater support and tactile feel when seating components, allowing a more positive seat.
- The SD is ideal for single tooth restorations due to its increased strength.¹



Regular Diameter

Universal Compatibility

- Used on Restore 3.75 and 4.0mm implants.
- Design based on 30+ years of clinical research.
- A leader in prosthetic connection fit.²⁻³
- RD implants provide universal prosthetic compatibility with the following implant systems:
 - Nobel Biocare® – 3.75, 4.0mm
 - Steri-Oss HL – 3.8, 4.5mm
 - Zimmer Taper-Lock® – 3.75mm
 - Implant Innovations, 3i – 3.75, 4.0mm



Wide Diameter

Leader of the Wides

- Used on Restore 5.0 and 6.0mm implants.
- Solid design maximizes overall performance when interacting with compressive occlusal forces, off-axis occlusal forces and torsional forces.
- Provides 79% more surface area and 43% more height⁴ than the standard hex size for unparalleled strength and exceptional resistance to deformation and stripping of the hex.⁴
- 2.5mm abutment screw provides 65% more strength than the standard 2.0mm screw for additional resistance to off-axis loads and improved torque retention.⁴

¹ Klardie, M. "Small Diameter (SD) Implants: A Strength Comparison." *Oral Restorative Update* Vol. 4, No. 2 (1997).

² Binon, P. "Evaluation of Three Slip Fit Hexagonal Implants." *Implant Dentistry* 5.4 (1996).

³ Binon, P. "Test Data Confirms Close Tolerance Machining of Restore® System." *Oral Restorative Update* Vol. 3, No. 1 (1996).

⁴ Slabberkoom, Scott D., P.E., M.S.E., "Wide Diameter Implants - A Balanced Design Approach." *Oral Restorative Update*, Fall 1996.

RESTORE system overview

Torque Recommendation Guide for Restore Prosthetic Components

The use of torque wrenches will help eliminate screw loosening and will enable consistent delivery of optimal screw tightness in any area of the mouth. Attempts to tighten screws by hand may lead to screw loosening resulting in damage to the restoration, the loss of valuable chairtime and patient inconvenience.

	Abutment Screws ¹ (Gold or Titanium)	Fastening Screws ² (Gold or Titanium)
 Small Diameter 3.3mm implants	30Ncm	10Ncm
 Regular Diameter 3.75 & 4.0mm implants	30Ncm	10Ncm
 Wide Diameter 5.0 & 6.0mm implants	30Ncm	20Ncm

¹Abutment screws engage the internal threads of the implant.

²Fastening screws engage the internal threads of a transmucosal abutment screw (i.e. standard or conical abutments).

Driver Compatibility

The following table shows which Restore prosthetic connections are compatible with other systems' drivers.

Keystone Dental	Implant Innovations (3i)	Dentsply Friadent CeraMed
.048" Hex 	YES Large Hex Driver	YES 1.22mm Hex Driver
Square 	YES Square Driver	NO
Standard/ Conical 	YES Abutment Driver	NO
Overdenture 	NO	NO

Patented Implant Delivery System

Ease-of-use features:

- Packaging provides an implant with a color-coded placement head for delivery to the site using either a handpiece or hand delivery tool.
- Includes a cover screw.
- Confident record management provided by three patient chart labels.

RESTORE system overview

Drill Depth & Sequence

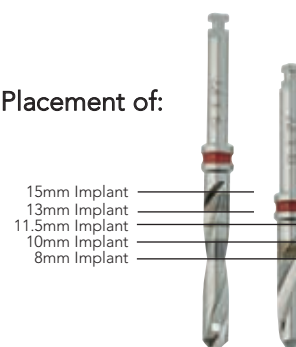
Threaded Implant Placement (3.75mm RD implant shown)



Note: Drill bands reference the corresponding implant with a cover screw in place and do not indicate actual millimeter drill length.

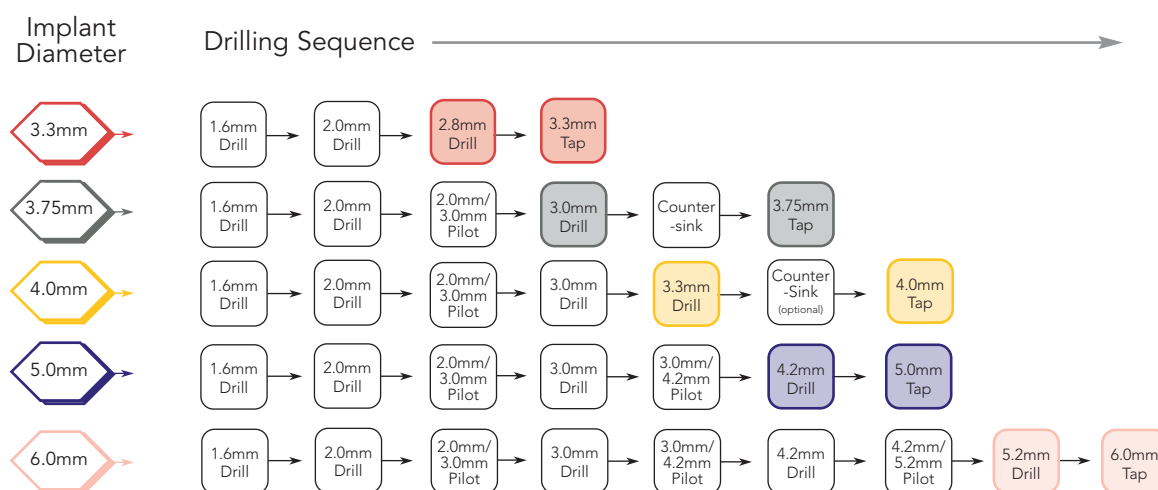
Depth Marking System For Threaded Implants

For Placement of:



Note: Drill bands reference the insertion depth of the corresponding implant and do not indicate actual millimeter drill length.

Threaded Implant Drill Sequence



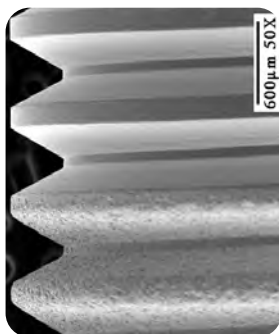
Drill Lengths:

SHORT drills (10mm) and taps (13mm) can be used for threaded implants up to 11.5mm in length.

LONG drills (15mm) and taps (18mm) can be used for threaded implants up to 15mm in length.

implants

RBM Increased Bone Contact Threaded Implants



Features:

- Hybrid design combines the advantages of a textured surface for osseointegration and a smooth machined neck (3mm) for soft tissue maintenance.
- Offered in diameters of 3.3 through 6.0mm for surgical and restorative versatility.
- Conveniently packaged to minimize handling during placement.
- Gamma sterilized.
- Cover Screw and pre-mounted, color-coded Placement Head are included with each implant.

Instrumentation Required:

- .035" Hex Driver (page 45) for Cover Screws
- .048" Hex Driver (page 45) or Slot Driver for Placement Heads

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.¹
- Acid-free roughening process — implant is free from acid residues.



Bone, cells, and blood vessels clearly denoted at the bone/titanium interface. No evidence of inflammatory cells or fibrous tissue and the bone follows all irregularities of the RBM surface.

¹ Piatelli, M, et. al. (2002) Bone response to machined and resorbable blast material titanium implants: An experimental study in rabbits. *Journal of Oral Implantology*; 1, 2-8.

² Sanz, A., et. al. (2001) Experimental study of bone response to a new surface treatment of endosseous titanium implants. *Implant Dentistry*. 10, 126-131.

*Data on file

RBM Threaded Implants



SD

Implant Size	Catalog No.
3.3 x 8mm	RS3308K
3.3 x 10mm	RS3310K
3.3 x 11.5mm	RS3311K
3.3 x 13mm	RS3313K
3.3 x 15mm	RS3315K



RD

Implant Size	Catalog No.
3.75 x 8mm	RS3808K
3.75 x 10mm	RS3810K
3.75 x 11.5mm	RS3811K
3.75 x 13mm	RS3813K
3.75 x 15mm	RS3815K



RD

Implant Size	Catalog No.
4.0 x 8mm	RS4008K
4.0 x 10mm	RS4010K
4.0 x 11.5mm	RS4011K
4.0 x 13mm	RS4013K
4.0 x 15mm	RS4015K



WD

Implant Size	Catalog No.
5.0 x 8mm	RS5008K
5.0 x 10mm	RS5010K
5.0 x 11.5mm	RS5011K
5.0 x 13mm	RS5013K
5.0 x 15mm	RS5015K

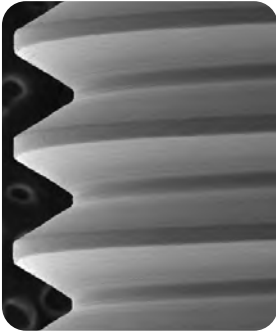


WD

Implant Size	Catalog No.
6.0 x 8mm	RS6008K
6.0 x 10mm	RS6010K
6.0 x 11.5mm	RS6011K
6.0 x 13mm	RS6013K
6.0 x 15mm	RS6015K

implants

Titanium Threaded Implants



Features:

- Cover Screw and pre-mounted, color-coded Placement Head are included with each implant.
- Conveniently packaged to minimize handling during placement.
- Gamma sterilized.

Instrumentation Required:

- .035" Hex Driver (page 45) for Cover Screws
- .048" Hex Driver (page 45) or Slot Driver for Placement Heads



Implant Size	Catalog No.
3.3 x 10mm	TS3310K
3.3 x 11.5mm	TS3311K
3.3 x 13mm	TS3313K
3.3 x 15mm	TS3315K



Implant Size	Catalog No.
3.75 x 8mm	TS3808K
3.75 x 10mm	TS3810K
3.75 x 11.5mm	TS3811K
3.75 x 13mm	TS3813K
3.75 x 15mm	TS3815K

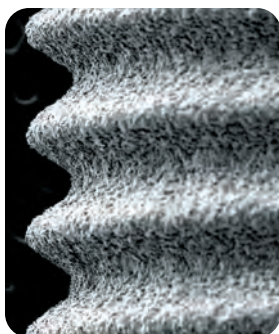


Implant Size	Catalog No.
4.0 x 8mm	TS4008K
4.0 x 10mm	TS4010K
4.0 x 11.5mm	TS4011K
4.0 x 13mm	TS4013K
4.0 x 15mm	TS4015K



Implant Size	Catalog No.
5.0 x 10mm	TS5010K
5.0 x 11.5mm	TS5011K
5.0 x 13mm	TS5013K

HA Coated Threaded Implants



Features:

- Keystone Dental offers high quality Hydroxyapatite (HA) Coated implants. This clinically proven coating exceeds both the FDA guidelines for HA Coated implants and the American Society for Testing and Materials (ASTM) standard for purity.
- Cover Screw and pre-mounted, color-coded Placement Head are included with each implant.
- Conveniently packaged to minimize handling during placement.
- Gamma sterilized.

Instrumentation Required:

- .035" Hex Driver (page 45) for Cover Screws
- .048" Hex Driver (page 45) or Slot Driver for Placement Heads



SD

Implant Size	Catalog No.
3.3 x 10mm	11001K
3.3 x 11.5mm	11002K
3.3 x 13mm	11003K
3.3 x 15mm	11004K



RD

Implant Size	Catalog No.
3.75 x 8mm	11006K
3.75 x 10mm	11007K
3.75 x 11.5mm	11008K
3.75 x 13mm	11009K
3.75 x 15mm	11010K



RD

Implant Size	Catalog No.
4.0 x 8mm	11012K
4.0 x 10mm	11013K
4.0 x 11.5mm	11014K
4.0 x 13mm	11015K
4.0 x 15mm	11016K



WD

Implant Size	Catalog No.
5.0 x 10mm	11019K
5.0 x 11.5mm	11020K
5.0 x 13mm	11021K

cover screws

Straight Cover Screws



- Included with all Restore Implants.
- Straight side wall matches the diameter of the implant prosthetic table.

Instrumentation Required:

- .035" Hex Driver (page 45)

Straight Cover Screws	Catalog No.
	L1809-34-01K
	L1809-40-01K
	L1809-50-01K

Headless Cover Screws



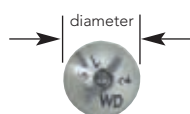
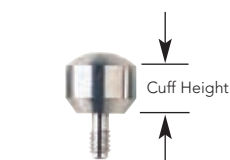
- Ultra low profile design protects the internal threads of the implant but does not cover the external hex.
- Extended edge at top prevents overseating in the implant.

Instrumentation Required:

- .035" Hex Driver (page 45)

Headless Cover Screws	Catalog No.
	L1810-34-01K
	L1810-40-01K
	L1810-50-01K

Healing Abutments



- Aesthetic Contour (AC) design matches diameter of Implant Impression Post and UCLA Plastic Sleeves.
- Healing Abutments are designed to achieve optimal contouring of soft tissue, which provides for more esthetic restorations.
- Available in various anatomical diameters.
- Occlusal surface is labeled with the implant prosthetic table (SD, RD or WD), cuff height and contour diameter.

Instrumentation Required:

- .048" Hex Driver (page 45)
- Alternately, a Slot Driver can be used on all Healing Abutments

	Diameter	Cuff Height	Catalog No.
SD	 3.3mm, straight	2mm	R9633-34-02K
	 3.3mm, straight	4mm	R9633-34-04K
	 3.3mm, straight	6mm	R9633-34-06K
	 4.2mm	2mm	R9642-34-02K
	 4.2mm	4mm	R9642-34-04K
	 4.2mm	6mm	R9642-34-06K
	 5.5mm	2mm	R9655-34-02K
	 5.5mm	4mm	R9655-34-04K
	 5.5mm	6mm	R9655-34-06K

	Diameter	Cuff Height	Catalog No.
RD	 4.1mm, straight	2mm	R9633-40-02K
	 4.1mm, straight	4mm	R9633-40-04K
	 4.1mm, straight	6mm	R9633-40-06K
	 5.0mm	2mm	R9650-40-02K
	 5.0mm	3mm	R9650-40-03K
	 5.0mm	4mm	R9650-40-04K
	 5.0mm	6mm	R9650-40-06K
	 5.0mm	8mm	R9650-40-08K
	 6.0mm	2mm	R9660-40-02K
	 6.0mm	4mm	R9660-40-04K
	 6.0mm	6mm	R9660-40-06K
	 6.0mm	8mm	R9660-40-08K

healing abutments & implant impression posts

	Diameter	Cuff Height	Catalog No.
WD	 5.0mm, straight	2mm	R9633-50-02K
	5.0mm, straight	4mm	R9633-50-04K
	5.0mm, straight	6mm	R9633-50-06K
	 6.0mm	2mm	R9606-50-02K
	6.0mm	4mm	R9606-50-04K
	6.0mm	6mm	R9606-50-06K
	 7.5mm	4mm	R9676-50-04K

Implant Impression Posts



Implant Impression Posts are not to scale.

- Aesthetic Contour (AC) design matches diameter of Healing Abutments and UCLA Plastic Sleeves.
- 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 45)

	Diameter	Catalog No.
SD	3.3mm, straight	R9549-34-00K
	4.2mm	R9550-34-00K
	5.5mm	R9551-34-00K
RD	4.1mm, straight	R9549-40-00K
	5.0mm	R9550-40-00K
	6.0mm	R9551-40-00K
WD	5.0mm, straight	R9549-50-00K
	6.0mm	R9597-50-00K
	7.5mm	R9598-50-00K

implant impression posts & implant analogs

Non-Hexed Implant Impression Posts



- Used for multi-unit (splinted) restorations only.
- Threads directly into the implant fixture (also captures implant thread timing).
- 1-piece design used for closed tray impressions.

Instrumentation Required:

- .048" Hex Driver (page 45)

	Impression Posts	Catalog No.
	Non-hexed	R9593-34-01K
	Non-hexed	R9593-40-01K
	Non-hexed	R9593-50-01K

Implant Analogs

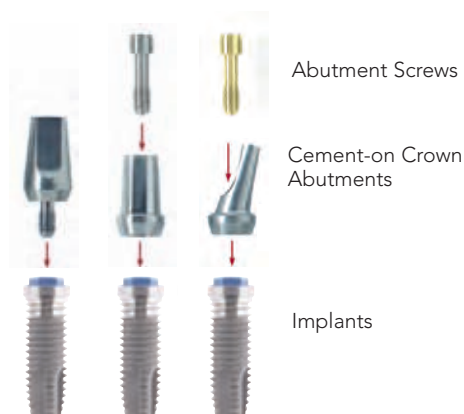


- Replicates the implant for use by the dental laboratory.
- Stainless steel design allows use during laboratory soldering procedures.

Item	 Catalog No.	 Catalog No.	 Catalog No.
Implant Analog	R9893-34K	R9891-40K	R9893-50K
Implant Analog, 3-pack		R9892-40K	

cement-retained restorations

Cement-on Crown (COC) Abutment System



Features:

Cement-on Crown (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 impressed directly using conventional crown and bridge impression techniques, eliminating the need for an impression post, analog and other prosthetic components. These abutments may also be used for provisional (temporary) restorations.

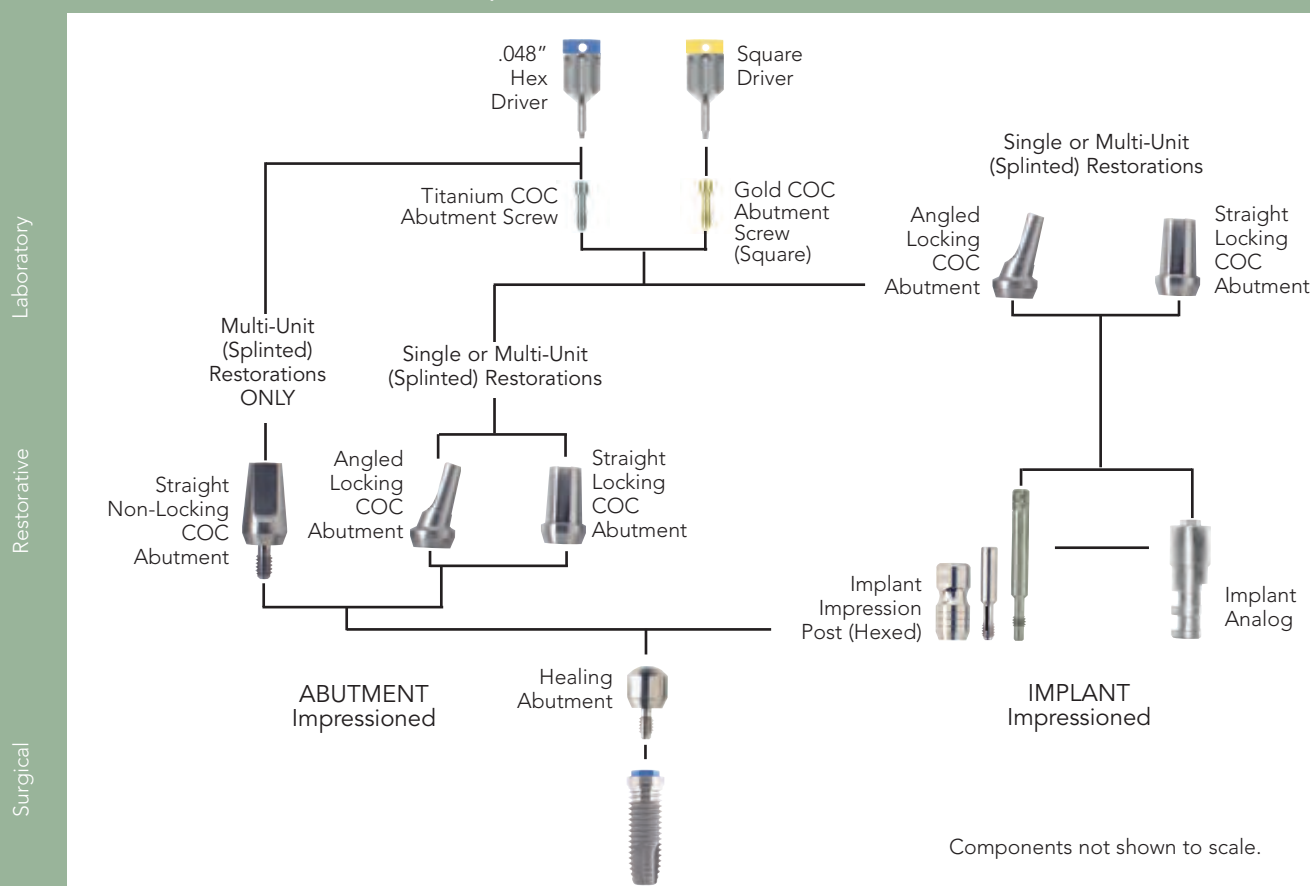
***Caution:** It is recommended that bulk abutment reduction be performed outside of the mouth due to risk of heat transfer to the implant.

Note: COC Abutments are made of titanium and are not designed for direct casting to the abutment.

Technical Considerations:

- A minimum inter-occlusal clearance of 4.5mm plus the restoration thickness is required between the implant prosthetic table and the occlusal plane.
- For implant level impression posts and analogs, please refer to the Implant Impression Components section on pages 12-13.

Component Selection Guide



Straight Locking Cement-on Crown (COC) Abutments



- For use in single or multi-unit (splinted) restorations.
- Pre-machined margins simplify abutment preparation and may be additionally prepared to follow gingival contours.
- COC Abutment may be impressed directly using conventional crown and bridge impression techniques. Alternately, a hexed Implant Impression Post can be used to impression the implant, allowing the laboratory to prepare the abutment and fabricate the restoration.
- The straight locking COC abutments may be used when space near adjacent teeth or implants is limited. The SD, RD and WD straight designs maintain a 3.3mm, 4.1mm and 5.0mm diameter respectively.
- **Requires a gold or titanium abutment screw (purchased separately).**

Instrumentation Required:

- .048" Hex Driver (page 45)

Straight Locking COC Abutments	 Catalog No.	 Catalog No.	 Catalog No.
2mm Cuff	R9290-34-02K	R9290-40-02K	R9290-50-02K
4mm Cuff	R9290-34-04K	R9290-40-04K	R9290-50-04K
Straight (no cuff)	L2308-34-04K	L2308-40-04K	L2308-50-04K

Straight Non-Locking Cement-on Crown (COC) Abutments



- For use in multi-unit (splinted) restorations only.
- Features a 2mm cuff.

Technical Consideration:

- After the abutment is prepared and seated onto the implant, it should be impressed directly using a conventional crown and bridge technique. To avoid thread timing issues, the abutment should not be removed after final impressing.

Instrumentation Required:

- .048" Hex Driver (page 45)

Straight Non-Locking COC Abutments	 Catalog No.	 Catalog No.	 Catalog No.
2mm Cuff	R2302-42-02K	R9295-40-02K	R2503-60-02K

cement-retained restorations

Angled Locking Cement-on Crown (COC) Abutments



- For use in single or multi-unit (splinted) restorations.
- Pre-machined margins simplify abutment preparation and may be additionally prepared to follow gingival contours.
- COC Abutment may be impressed directly using conventional crown and bridge techniques. Alternately, a UCLA hexed impression post can be used to impression the implant fixture, allowing the laboratory to prepare the abutment and fabricate the restoration.
- **Requires a gold or titanium abutment screw (purchased separately).**

Angled Locking COC Abutments	 Catalog No.	 Catalog No.	 Catalog No.
15°, 2mm Cuff	R9291-34-02K	R9291-40-02K	R9291-50-02K
15°, 4mm Cuff	R9291-34-04K	R9291-40-04K	R9291-50-04K
25°, 2mm Cuff		R9292-40-02K	
25°, 4mm Cuff		R9292-40-04K	

Cement-on Crown (COC) Abutment Screws



- Use with Straight Locking and Angled Locking COC Abutments.
- Available in choice of gold or titanium.
- Torque recommendations – 30Ncm

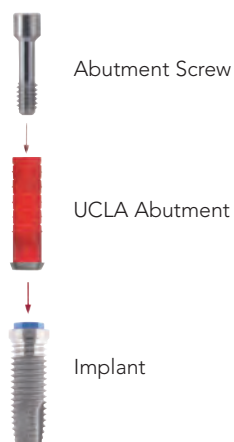
Instrumentation Required:

- .048" Hex Driver (page 45) for Titanium Screws and Square Driver (page 46) for Gold Screws

Abutment Screws	 Catalog No.	 Catalog No.	 Catalog No.
Titanium, .048" Hex	R9203-34-48K	R9202-40-48K	R9203-50-48K
Gold, Square Drive	R9203-34-85K	R9202-40-85K	L2510-85K

screw-retained restorations

UCLA Abutment System



Features:

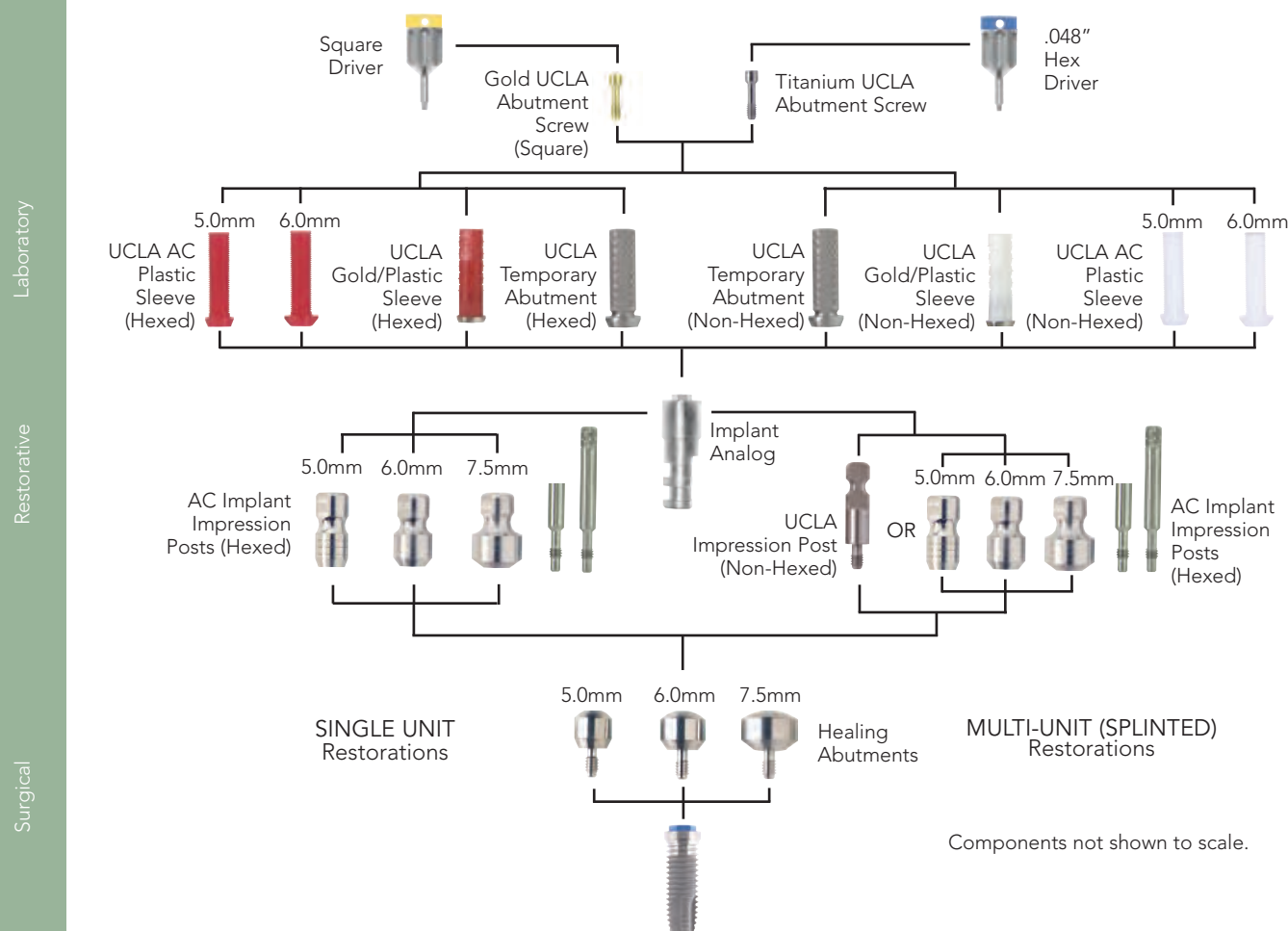
The UCLA Abutment System can be used for single or multi-unit (splinted) crown and bridge restorations. It can also be used for bar attachment retained overdenture restorations. UCLA Abutments are used to fabricate highly esthetic custom restorations that attach directly to the implant.

The UCLA Abutment System includes a line of Aesthetic Contour (AC) Implant Impression Posts and UCLA Abutments designed to achieve optimal contouring of soft tissue for a more esthetic, natural looking restoration. These components are offered in several diameters, which correspond to matching Aesthetic Contour (AC) Healing Abutments.

Technical Considerations:

- A minimum inter-occlusal clearance of 4.5mm for SD and RD and 5.0mm for WD UCLA Abutments is required between the implant prosthetic table and the top of the Abutment Screw when seated.
- For implant level impression posts and analogs, please refer to the Implant Impression Components section on pages 12-13.

Component Selection Guide



screw-retained restorations

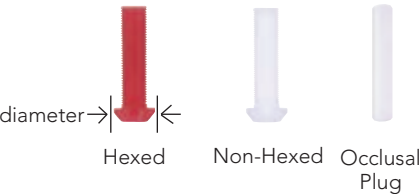
UCLA Gold/Plastic Combo Sleeves



- The Gold/Plastic Combo combines a precision machined interface with the convenience of a castable plastic chimney.
- Specially designed geometry on the plastic chimney improves wax retention.
- Offered in both hexed (red sleeve) and non-hexed (white sleeve) versions.
- Includes Occlusal Plug for screw access hole.
- **Use with a gold or titanium abutment screw (purchased separately).**

Gold/Plastic Combo Sleeves	 Catalog No.	 Catalog No.	 Catalog No.
Hexed	L2307-42-00K	L2405-50-00K	L2508-60-00K
Non-Hexed	L2307-42-01K	L2405-50-01K	L2508-60-01K

UCLA Plastic Sleeves



- Aesthetic Contour (AC) design matches diameter of Healing Abutments and Implant Impression Posts.
- Offered in hexed (red sleeve) and non-hexed (white sleeve).
- Includes Occlusal Plug for screw access hole.
- **Use with a gold or titanium abutment screw (purchased separately).**

	Diameter	Catalog No.
	4.2mm (Hexed)	R9250-34-00K
	4.2mm (Non-Hexed)	L2305-42-01K

	Diameter	Catalog No.
	5.0mm (Hexed)	R9250-40-00K
	5.0mm (Non-Hexed)	L2403-50-01K

	Diameter	Catalog No.
	6.0mm (Hexed)	R9226-50-00K
	6.0mm (Non-Hexed)	R9225-50-01K

screw-retained restorations

UCLA Abutment Screws



Titanium
Abutment
Screw



Gold
Abutment
Screw

- Use with UCLA Gold/Plastic Combo Sleeves, Plastic Sleeves and Temporary Sleeves.
- Available in choice of gold or titanium.
- Torque recommendations – 30Ncm.

Instrumentation Required:

- .048" Hex Driver (page 45) for Titanium Screws and Square Driver (page 46) for Gold Screws

Abutment Screws	 Catalog No.	 Catalog No.	 Catalog No.
Titanium, .048" Hex	R9203-34-48K	R9203-40-48K	R9203-50-48K
Gold, Square Drive	R9203-34-85K	R9203-40-85K	L2510-85K

UCLA Temporary Sleeves

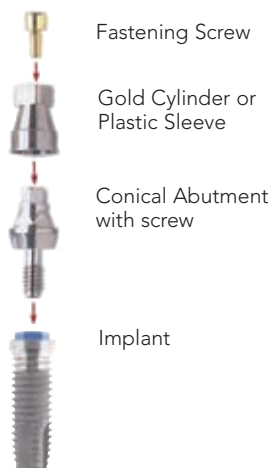


- Titanium temporary sleeves provide a textured surface for acrylic when constructing provisional restorations.
- Available non-hexed for multi-unit (splinted) restorations and hexed for single tooth restorations.
- **Use with a gold or titanium abutment screw (purchased separately).**

Temporary Sleeves	 Catalog No.	 Catalog No.	 Catalog No.
Hexed	L2301-42-00K	L2400-50-00K	L2500-60-00K
Non-hexed	L2301-42-01K	L2400-50-01K	L2500-60-01K

screw-retained restorations

Conical Abutment System



Fastening Screw

Gold Cylinder or
Plastic SleeveConical Abutment
with screw

Implant

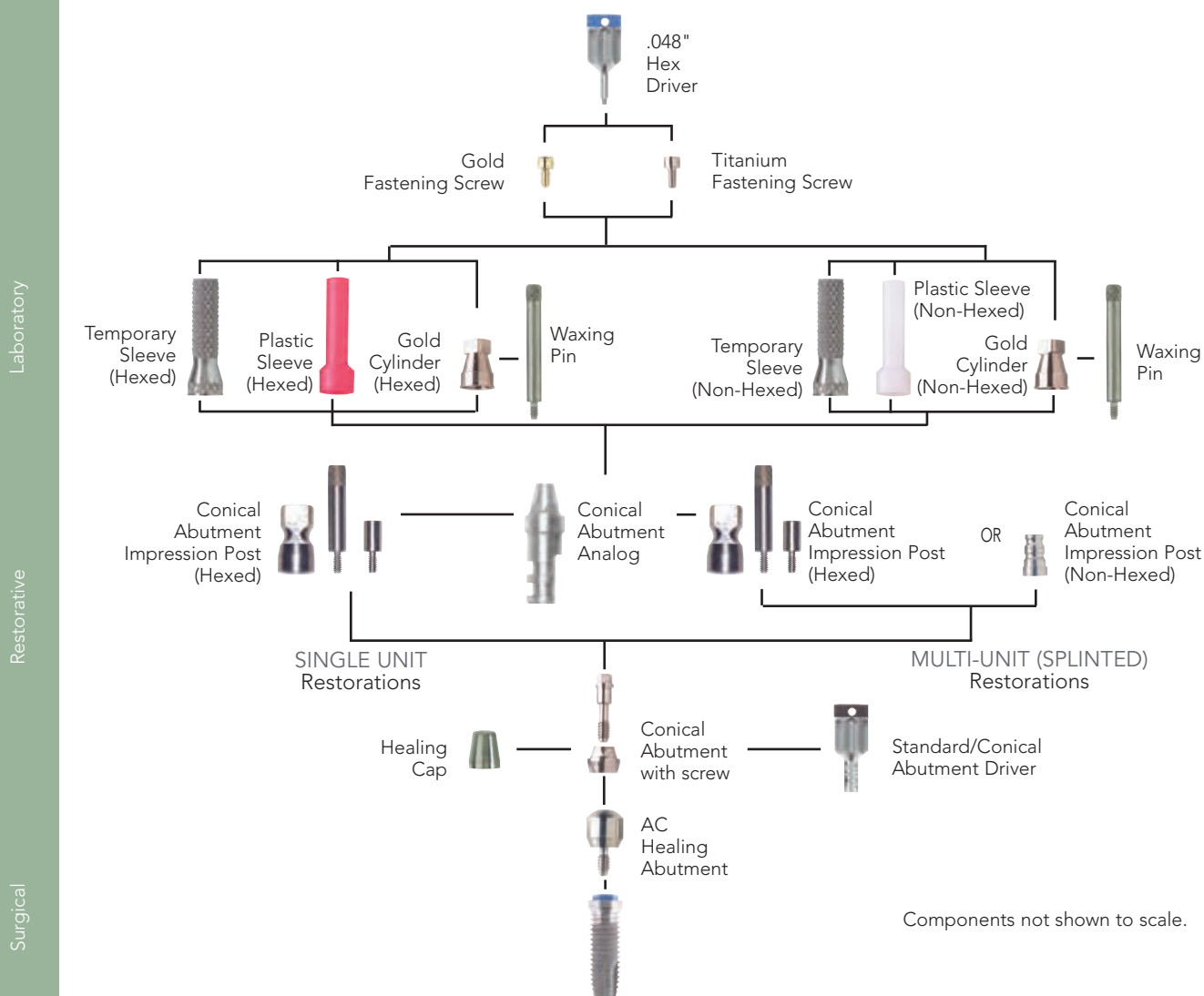
Features:

The Conical Abutment System can be used for single or multi-unit (splinted) restorations as well as bar attachment retained overdenture restorations. The Conical Abutment provides excellent stability and allows for easier path of insertion due to its tapered design.

Technical Considerations:

- A minimum inter-occlusal clearance of 7.6mm for SD, and 7.9mm for RD and WD Conical Abutments is required between the implant prosthetic table and the top of the Fastening Screw when seated.
- The tapered 15° side wall allows up to 30° of divergence between adjacent abutments.

Component Selection Guide



Components not shown to scale.

Conical Abutments



- Conical Abutments include abutment screw.
- RD version is compatible with Nobel Biocare's EsthetiCone®, and 3i's Conical Abutment.
- Torque recommendation – 30Ncm.

Instrumentation Required:

- Standard/Conical Abutment Driver (page 46) for SD and RD Conical Abutments
- .062" Hex Driver (page 45) for WD Conical Abutments

Conical Abutments	 SD	Catalog No.	 RD	Catalog No.	 WD	Catalog No.
1mm Cuff, with screw		L2300-33-01K		R9210-40-01K		R9210-50-01K
2mm Cuff, with screw		L2300-33-02K		R9210-40-02K		R9210-50-02K
3mm Cuff, with screw		L2300-33-03K		R9210-40-03K		R9210-50-03K

Conical Abutment Healing Cap



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

Instrumentation Required:

- .048" Hex Driver (page 45)

Item	 SD	Catalog No.	 RD	Catalog No.	 WD	Catalog No.
Healing Cap		R9212-40K		R9212-40K		R9212-55-48K

Conical Abutment Impression Posts



Non-Hexed, 1-piece
Conical Abutment
Impression Post



Hexed, 2-piece
Conical Abutment
Impression Post

- Hexed, 2-piece is packaged with both a long screw (for open tray technique) and a short screw (for closed tray technique). This design can be used for single or multi-unit (splinted) restorations.
- Non-Hexed, 1-piece is used for closed tray impressions and is intended for multi-unit (splinted) restorations only. Standard/Conical Impression Post Driver (L2102-00K) may be used for insertion.

Instrumentation Required:

- .048" Hex Driver (page 45) for 2-piece impression post

Impression Posts	 SD	Catalog No.	 RD	Catalog No.	 WD	Catalog No.
Hexed, 2-piece		R9530-40-48K		R9530-40-48K		R9530-55-48K
Non-Hexed, 1-piece		R9530-40-01K		R9530-40-01K		

screw-retained restorations

Conical Abutment Analog



- Replicates the Conical Abutment for use by the dental laboratory.
- Stainless steel design allows use during laboratory soldering procedures.

Item	 Catalog No.	 Catalog No.	 Catalog No.
Abutment Analog	R9845-40K	R9845-40K	R9845-55K

Gold Cylinders and Waxing Pin for Conical Abutments



Conical
Abutment
Gold Cylinder



Waxing Pin

- Gold Cylinders provide a precision machined interface between the restoration and the Conical Abutment.
- Available non-hexed for multi-unit (splinted) restorations and hexed for single tooth restorations.
- Use with Conical Abutment Fastening Screws, which are purchased separately.
- A Waxing Pin is available for waxing additional vertical height.

Instrumentation Required:

- .048" Hex Driver (page 45)

Item	 Catalog No.	 Catalog No.	 Catalog No.
Gold Cylinder, Hexed	R9213-40-00K	R9213-40-00K	
Gold Cylinder, Non-Hexed	R9213-40-01K	R9213-40-01K	R9213-55-01K
Waxing Pin	R9596-40K	R9596-40K	R9596-50-48K

screw-retained restorations

Conical Abutment Plastic Sleeves



Conical Abutment
Plastic Sleeve
(Hexed)



Conical Abutment
Plastic Sleeve
(Non-Hexed)

- Provide an economical alternative to Gold Cylinders.
- Extended plastic chimney eliminates need for a Waxing Pin.
- Available non-hexed (white) for multi-unit (splinted) restorations and hexed (red) for single tooth restorations.
- Use with Conical Abutment Fastening Screws, which are purchased separately.

Plastic Sleeves	 SD	Catalog No.	 RD	Catalog No.	 WD	Catalog No.
Hexed		R9211-40-00K		R9211-40-00K		L2701-50-00K
Non-Hexed		R9211-40-01K		R9211-40-01K		R9211-55-01K

Conical Abutment Temporary Sleeves



Conical Abutment
Temporary Sleeve

- Titanium temporary sleeve provides a textured surface for acrylic when constructing provisional restorations on Conical Abutments.
- Available non-hexed for multi-unit (splinted) restorations and hexed for single tooth restorations.
- Use with Conical Abutment Fastening Screws, which are purchased separately.

Temporary Sleeves	 SD	Catalog No.	 RD	Catalog No.	 WD	Catalog No.
Hexed		R9214-40-00K		R9214-40-00K		L2700-50-00K
Non-Hexed		R9214-40-01K		R9214-40-01K		L2700-50-01K

Conical Abutment Fastening Screws



Titanium
Fastening
Screw



Gold
Fastening
Screw

- Use with Conical Abutment Gold Cylinders, Plastic Sleeves and Temporary Sleeves.
- Torque recommendations:
 - SD/RD Fastening Screws (gold and titanium) – 10Ncm
 - WD Fastening Screws (titanium) – 20Ncm

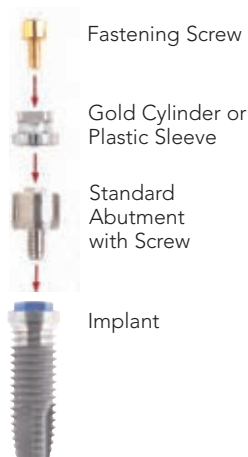
Instrumentation Required:

- .048" Hex Driver (page 45)

Fastening Screws	 SD	Catalog No.	 RD	Catalog No.	 WD	Catalog No.
Titanium, .048" Hex		R9200-40-48K		R9200-40-48K		R9201-55-48K
Gold, .048" Hex		R9201-40-48K		R9201-40-48K		

screw-retained restorations

Standard Abutment System



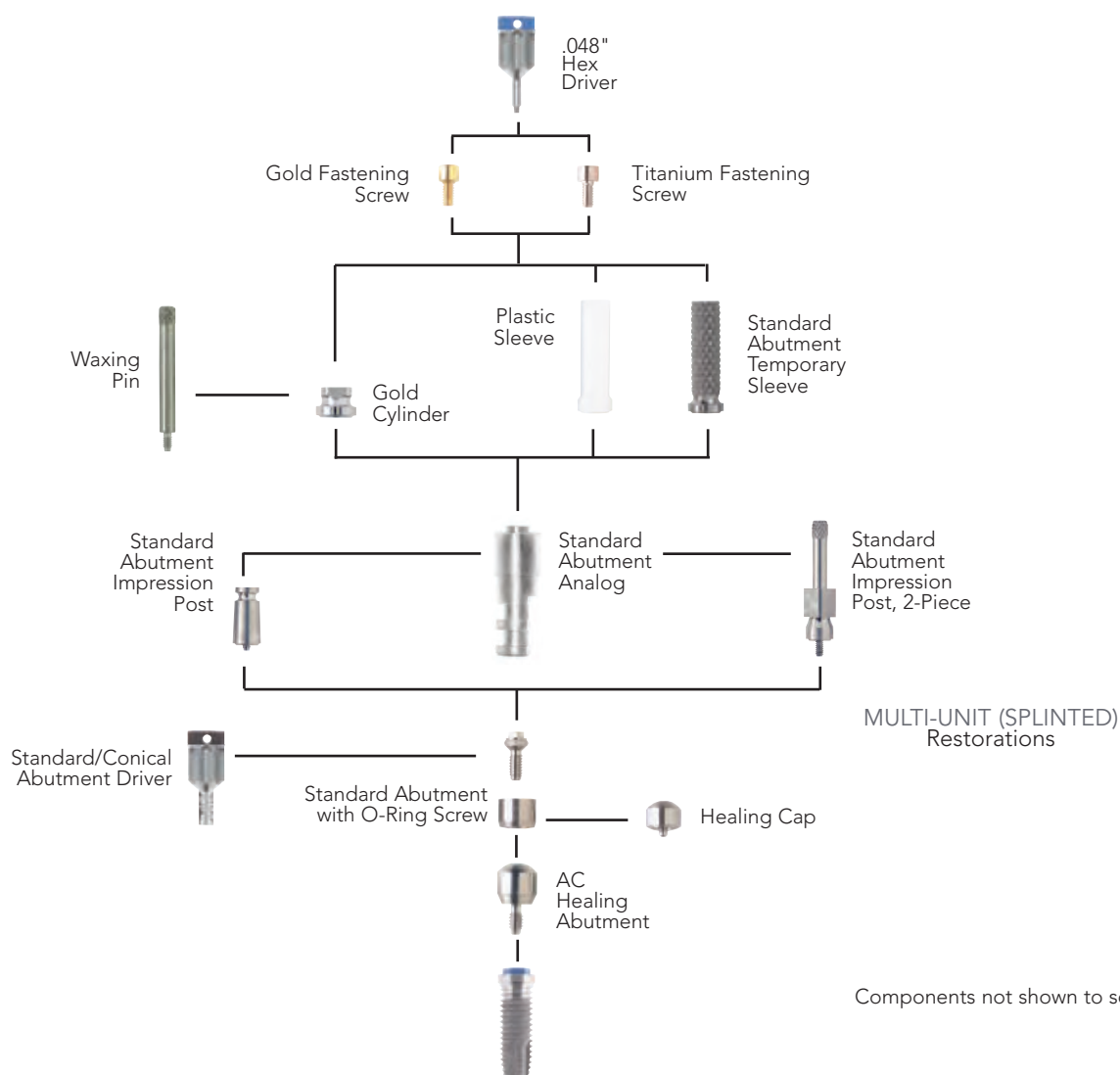
Features

The Standard Abutment System is designed for multi-unit (splinted) fixed removable (hybrid) restorations. It is also commonly used for bar attachment retained overdenture restorations. It is NOT intended for single tooth restorations.

Technical Considerations:

- A minimum inter-occlusal clearance of 6.5mm is required between the implant prosthetic table and the top of the Fastening Screw when seated.
- In the maxilla, where aesthetics are more critical, use of the Conical Abutment is recommended.

Component Selection Guide



Components not shown to scale.

screw-retained restorations

Standard Abutments



- Standard Abutments include abutment screw.
- Torque recommendation – 30Ncm.



Instrumentation Required:

- Standard/Conical Abutment Driver (page 46)

Abutments		Catalog No.
3mm Cuff		R9086-40-03K
4mm Cuff		R9086-40-04K
5mm Cuff		R9086-40-05K

Standard Abutment Healing Cap



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

Instrumentation Required:

- .048" Hex Driver (page 45)

Item		Catalog No.
Healing Cap		R9284-40K

Standard Abutment Impression Posts



Standard
Abutment
Impression Post,
1-Piece



Standard
Abutment
Impression Post,
2-Piece

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

Instrumentation Required:

- Standard/Conical Impression Post Driver for 1-piece impression post (L2102-00K)
- Slot Driver for 2-piece impression post

Impression Posts		Catalog No.
1-Piece		R9586-40K
2-Piece		R9586-40-00K

Standard Abutment Analog



- Replicates the Standard Abutment for use by the dental laboratory.
- Stainless steel design allows use during laboratory soldering procedures.

Item		Catalog No.
Abutment Analog, 4-pack		R9886-40K

screw-retained restorations

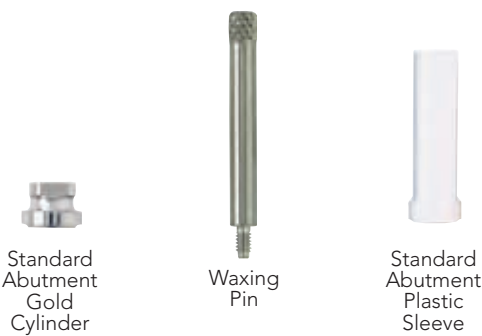
Standard Abutment Temporary Sleeve



- Titanium temporary sleeve provides a textured surface for acrylic when constructing provisional restorations on Standard Abutments.
- **Use with gold or titanium Fastening Screws, which are purchased separately.**

Item		Catalog No.
Temporary Sleeve		R9285-40K

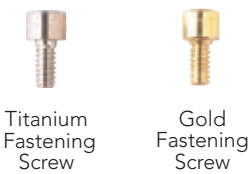
Gold Cylinder, Waxing Pin and Plastic Sleeve for Standard Abutments



- Gold Cylinder provides a precision machined interface between the restoration and the Standard Abutment. A Waxing Pin is available for waxing additional vertical height.
- Plastic Sleeve provides an economical alternative to Gold Cylinders, and the extended chimney eliminates need for a Waxing Pin.
- Use with gold or titanium Fastening Screws, which are purchased separately.

Item		Catalog No.
Gold Cylinder		R9287-40-01K
Waxing Pin		R9596-40K
Plastic Sleeve, 4-pack		R9287-40-00K

Standard Abutment Fastening Screws



- Use with Standard Abutment Gold Cylinders, Plastic Sleeves and Temporary Sleeves.
- Torque recommendation – 10Ncm.

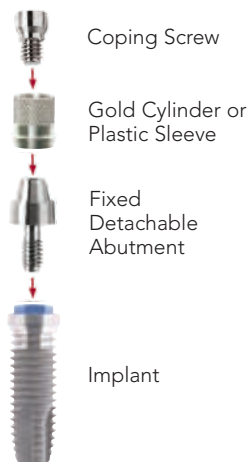
Instrumentation Required:

- .048" Hex Driver (page 45)

Fastening Screws		Catalog No.
Titanium, .048" Hex		R9200-40-48K
Gold, .048" Hex		R9201-40-48K

screw-retained restorations

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 attachment retained overdenture restorations. It is NOT intended for single tooth restorations. The Fixed Detachable Abutment provides excellent stability and allows for easier path of insertion due to its tapered design.

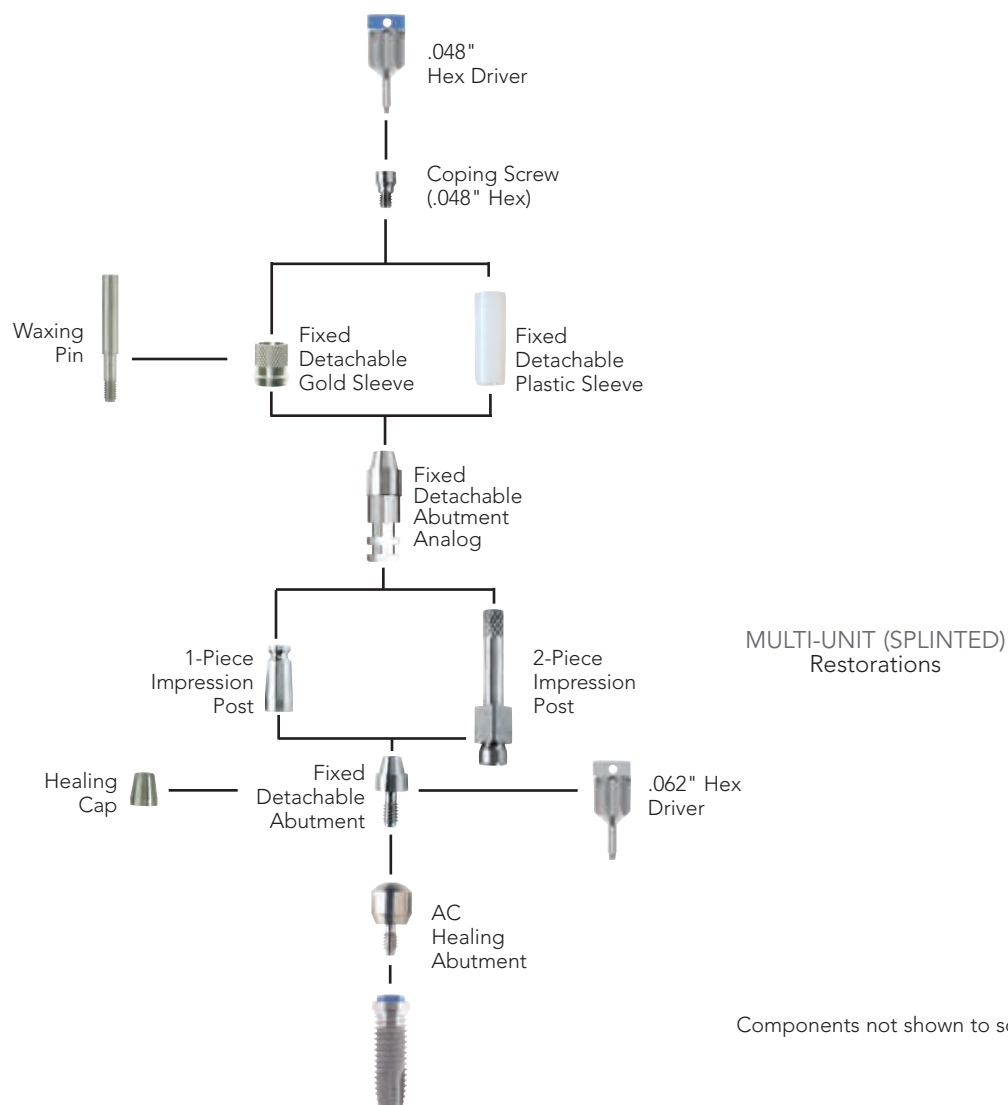
Technical Considerations:

- 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.

Instrumentation Required:

- .048" and .062" Hex Drivers (page 45)

Component Selection Guide



screw-retained restorations

Fixed Detachable Abutments



- Torque recommendation – 30Ncm.

Instrumentation Required:

- .062" Hex Driver (page 45)

Abutments	 Catalog No.	 Catalog No.
2mm Cuff	410240-34-02K	410240-42-02K
4mm Cuff	410240-34-04K	410240-42-04K

Fixed Detachable Abutment Healing Cap



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

Instrumentation Required:

- .048" Hex Driver (page 45)

Item	 Catalog No.	 Catalog No.
Healing Cap	R2800-00K	R2800-00K

Fixed Detachable Abutment Impression Posts



Fixed Detachable Abutment
Impression Post, 1-Piece

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

Instrumentation Required:

- .048" Hex Driver (page 45)



Fixed Detachable Abutment
Impression Post, 2-Piece

Impression Posts	 Catalog No.	 Catalog No.
1-Piece, 9mm	R9615-48K	R9615-48K
2-Piece	R9515-48K	R9515-48K

Fixed Detachable Abutment Analog



- Replicates the Fixed Detachable Abutment for use by the dental laboratory.
- Stainless steel design allows use during laboratory soldering procedures.

Item	 Catalog No.	 Catalog No.
Abutment Analog	410530-4K	410530-4K

Gold and Plastic Sleeves for Fixed Detachable Abutments



Fixed Detachable
Gold Sleeve



Fixed Detachable
Plastic Sleeve

- 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 economical alternative to Gold Cylinders and the extended chimney eliminates the need for a Waxing Pin.
- Use with titanium Coping Screws, which are purchased separately.
- A Reamer (page 48) is available for use after casting procedures.

Item	 Catalog No.	 Catalog No.
Gold Sleeve	410720-4K	410720-4K
Waxing Pin	R9229-48K	R9229-48K
Plastic Sleeve, 12.3mm	410450-4LK	410450-4LK

Fixed Detachable Coping Screw



- Use with Fixed Detachable Abutment Gold and Plastic Sleeves.
- Torque recommendation – 20Ncm.

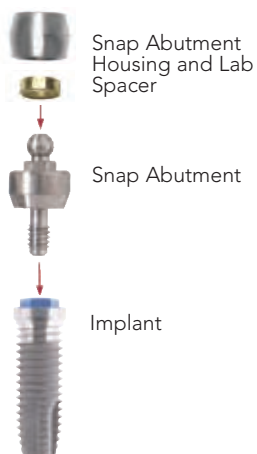
Instrumentation Required:

- .048" Hex Driver (page 45)

Item	 Catalog No.	 Catalog No.
Coping Screw (1.5mm head)	R9460-48K	R9460-48K

overdenture restorations

Snap Abutment System



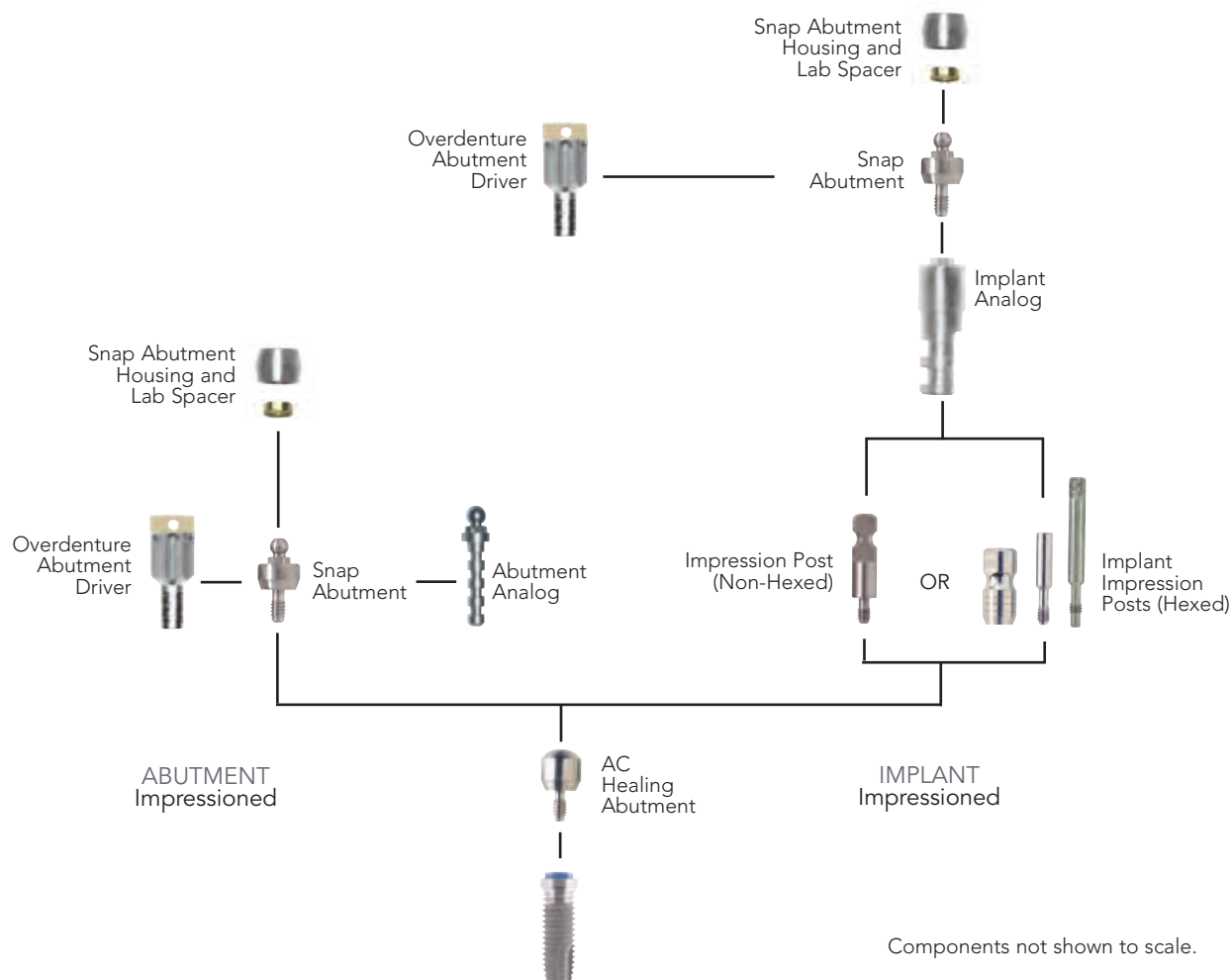
Features:

The Snap Abutment is used with two or more implants for implant attachment retained 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 low, medium or high retention levels.

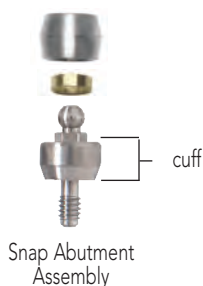
Technical Considerations:

- A minimum inter-occlusal clearance of 7.0mm + cuff height is required.
- Implants must be relatively parallel to one another – less than 20° total divergence.
- For implant level impression posts and analogs, please refer to the Implant Impression Components section on pages 12-13.

Component Selection Guide



Snap Abutment Assembly



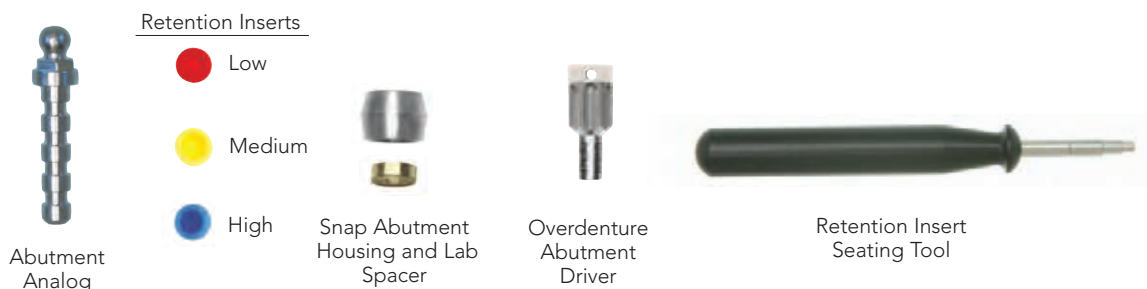
- Snap Abutment Assembly includes an abutment, a housing with low retention insert (red), and a laboratory processing spacer.
- Torque recommendation – 30Ncm.

Instrumentation Required:

- Overdenture Abutment Driver (below)

Snap Abutments	 Catalog No.	 Catalog No.	 Catalog No.
2mm Cuff	41000K	41003K	41006K
3mm Cuff	41001K	41004K	41007K
4mm Cuff	41002K	41005K	

Snap Abutment Accessories



Snap Abutment Accessories	Catalog No.
Abutment Analog	L2804-01K
Retention Inserts, Low Retention, Red (6-pack)	40003K
Retention Inserts, Medium Retention, Yellow (6-pack)	40004K
Retention Inserts, High Retention, Blue (6-pack)	40005K
Housing with Low Retention Insert and Lab Spacer	40006K
Retention Insert Seating Tool	40007K
Overdenture Abutment Driver, Swivel Head (8mm shaft)	L2100-96-19K
Overdenture Abutment Driver, Latch-Type (20mm total length)	L1404-96-20K
Overdenture Abutment Driver Tip for Torque Wrench (8mm shaft)	L2101-96-16K

O-Ring Abutment System

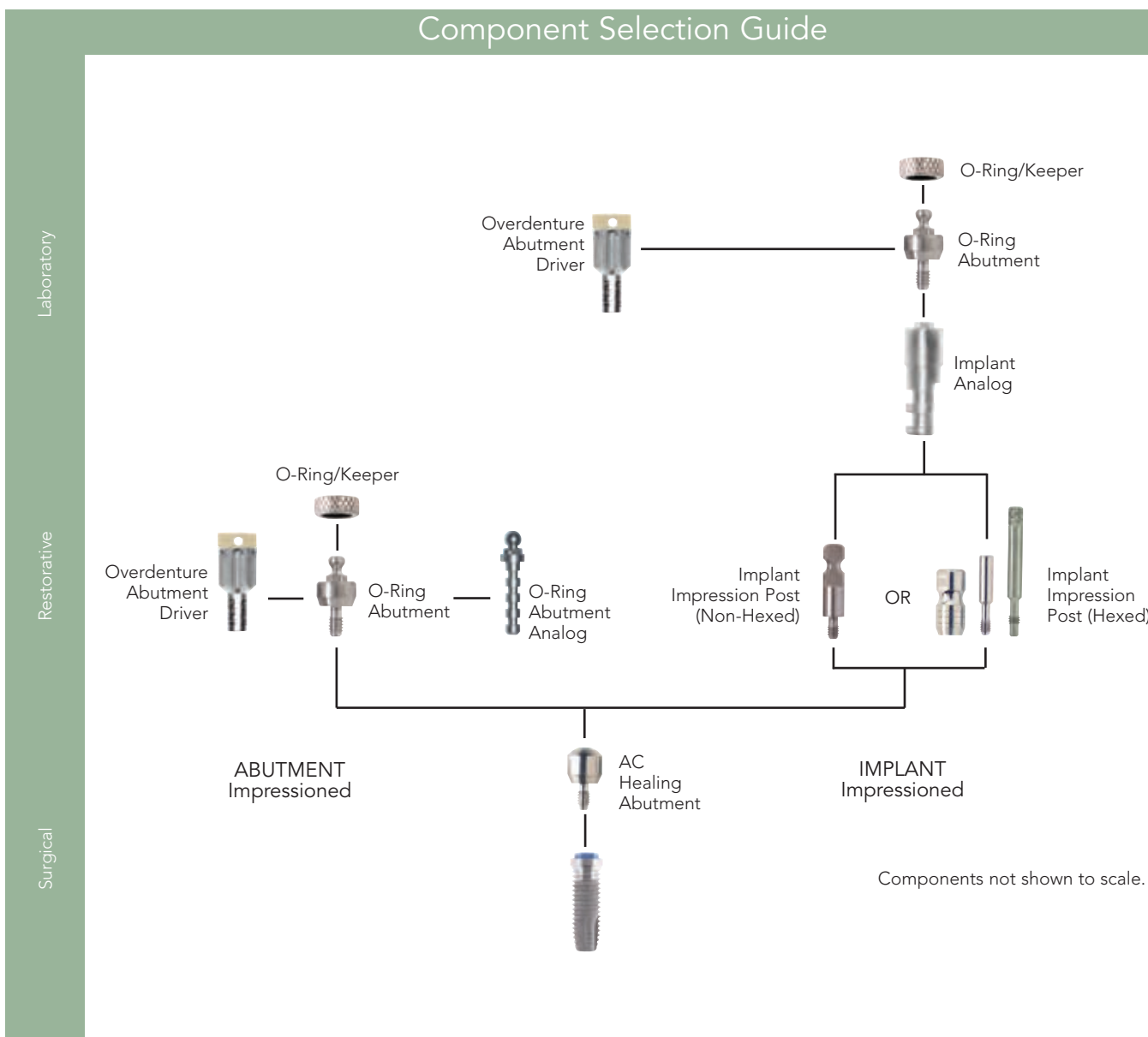


Features:

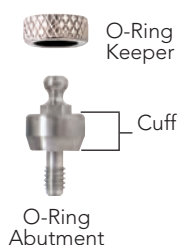
The O-Ring Abutment is used with two or more implants and provides an economical direct attachment for implant attachment retained overdenture restorations. The O-Ring Abutment threads directly into the implant and the female o-ring keeper is processed into the denture base either chairside or at the dental laboratory.

Technical Considerations:

- A minimum inter-occlusal clearance of 6.0mm + cuff height is required.
- Implants must be relatively parallel to one another – less than 10° total divergence.
- For implant level impression posts and analogs, please refer to the Implant Impression Components section on pages 12-13.



O-Ring Abutments



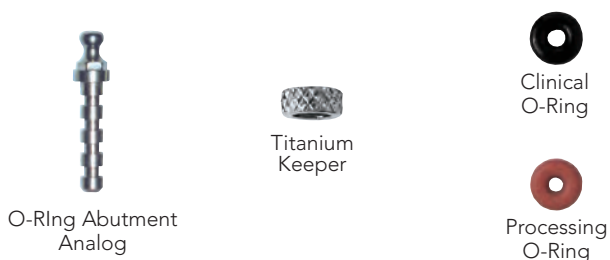
- O-Ring Abutments are packaged with a titanium O-ring keeper, 2 clinical O-rings (black) and 1 processing O-ring (red).
- Torque recommendation – 30Ncm.

Instrumentation Required:

- Overdenture Abutment Driver (page 46)

Abutments	 Catalog No.	 Catalog No.	 Catalog No.
2mm Cuff	L2304-42-02K	L2402-50-02K	L2505-60-02K
3mm Cuff	L2304-42-03K	L2402-50-03K	L2505-60-03K
4mm Cuff	L2304-42-04K	L2402-50-04K	L2505-60-04K

O-Ring Abutment Accessories



Accessories	Catalog No.
Abutment Analog	L2805-01K
Keeper, Titanium	L2810-01K
Clinical O-Rings, (12-pack)	L2811-01K
Processing O-Rings, (12-pack)	L2812-01K

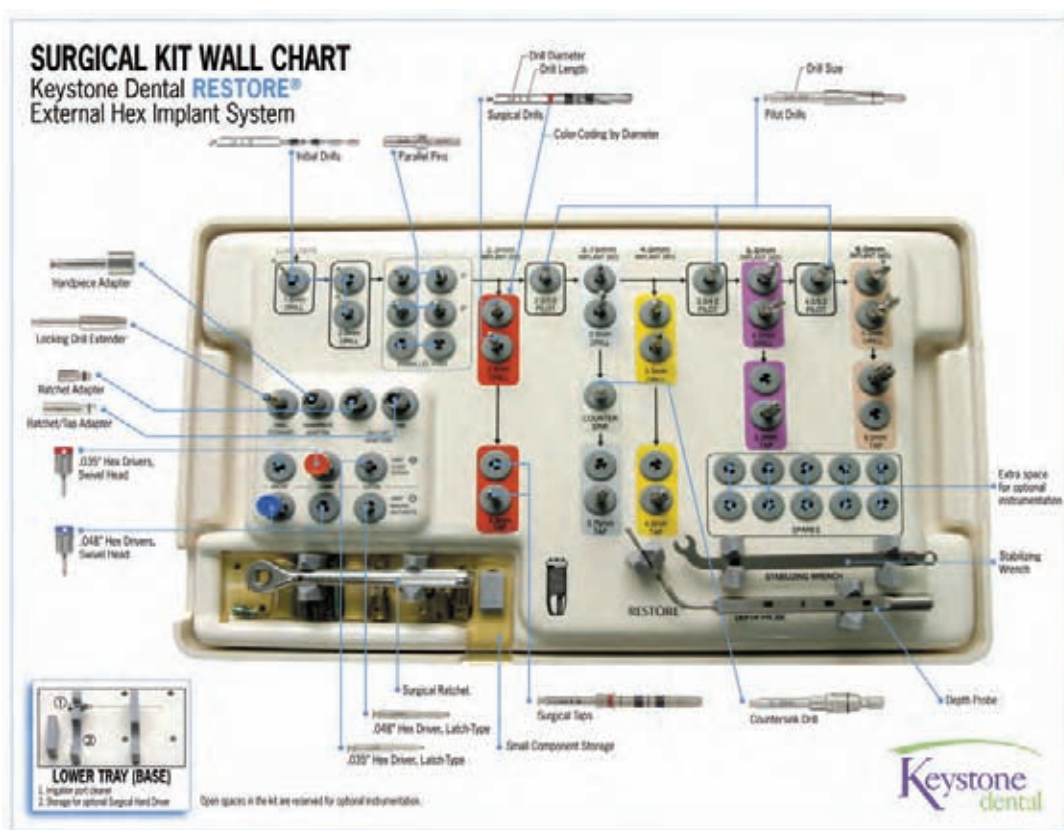
surgical kits

Basic Surgical Kit

Includes the instrumentation, drills and taps needed to place the most popular sizes of Keystone Dental RESTORE Threaded Implants – Small Diameter (SD) 3.3mm, Regular Diameter (RD) 3.75 and 4.0mm and Wide Diameter (WD) 5.0mm Implants.

Instrument Upgrade Pack

Contains a complete set of short drills, 2 latch drivers and instrumentation to place WD 6.0mm Implants (short and long drills and short tap).



The Basic Surgical Kit is available with irrigated or non-irrigated instrumentation.

Additional instrumentation may be purchased separately or with the Instrument Upgrade Pack below.

Item	Catalog No.
Basic Surgical Kit, Irrigated	L9102-1K
Basic Surgical Kit, Non-Irrigated	L9104-1K
Instrument Upgrade Pack	11026K
Surgical Kit Tray (without instrumentation)	11028K

Item	Catalog No.
Basic Surgical Kit, Irrigated	L9102-1K

Irrigated Kit Includes:

Surgical Wall Chart	4409-0149
Drill Usage Chart	4409-0031
Prosthetic Guide	MK40041
Surgical Guide	MK40040
Implant Sizing Overlays 100% & 125%	11027K
1.6mm x 15mm Drill, Non-Irrigated	L1100-16-15K
2.0mm x 15mm Drill, Irrigated	L1101-20-15K
2.8mm x 15mm Drill, Irrigated	L1100-28-15K
3.0mm x 15mm Drill, Irrigated	L1100-30-15K
3.3mm x 15mm Drill, Irrigated	L1100-33-15K
4.2mm x 15mm Drill, Irrigated	L1100-42-15K
2.0/3.0mm Pilot Drill, Irrigated	L1300-20-30K
3.0/4.2mm Pilot Drill, Irrigated	L1300-30-42K
Countersink Drill, Irrigated	L1401-38-01K
Locking Drill Extender	L1404-01K
Handpiece Adapter for NP Placement Heads	L1406-01K
Hand Adapter for NP Placement Heads	L1406-02K
Latch Type Conversion Handle	L1407K
3.3mm x 18mm Surgical Tap, Irrigated	L1502-33-18K
3.75mm x 18mm Surgical Tap, Irrigated	L1502-38-18K
4.0mm x 18mm Surgical Tap, Irrigated	L1502-40-18K
5.0mm x 15mm Surgical Tap, Irrigated	L1502-50-15K
Surgical Ratchet	L1702-01K
Square Ratchet Extender, Short & Long	L1703-01K
Stabilizing Wrench for NP Placement Heads	L1709-01K
Irrigation Port Cleaner	L1800-22-02K
Surgical Depth Probe	L1803-01K
Parallel Pin, Straight, 2.0/3.0mm (4-pack)	L1805-20-00K
Ratchet Adapter for NP Mount, 8mm	L1806-04K
Ratchet/Tap Adapter, 12mm	L1806-05K
Hex Driver, .035", Swivel, Long	L2100-35-24K
Hex Driver, .048", Swivel, Short	R9121K
NP Placement Head, 15mm, SD	R9192-33-15K
NP Placement Head, 5.5mm, RD	R9192-40-05K
NP Placement Head, 15mm, RD	R9192-40-15K
NP Placement Head, 15mm, WD	R9192-50-15K

Item	Catalog No.
Instrument Upgrade Pack	11026K

Upgrade Pack Includes:

5.2mm x 15mm Irrigated Drill	L1100-52-15K
4.2/5.2mm x 15mm Irrigated Pilot Drill	L1300-42-52K
6.0mm x 13mm Surgical Tap, Irrigated	L1502-60-13K
Hex Driver, .035", Latch, 28mm	L1400-35-28K
Hex Driver, .048", Latch, 23mm	L1400-48-23K
2.0mm x 10mm Irrigated Drill	L1101-20-10K

Item	Catalog No.
Basic Surgical Kit, Non-Irrigated	L9104-1K

Non-Irrigated Kit Includes:

Surgical Wall Chart	4409-0149
Drill Usage Chart	4409-0031
Prosthetic Guide	MK40041
Surgical Guide	MK40040
Implant Sizing Overlays, 100% & 125%	11027K
1.6mm x 15mm Drill, Non-Irrigated	L1100-16-15K
2.0mm x 15mm Drill, Non-Irrigated	L1100-20-15K
2.8mm x 15mm Drill, Non-Irrigated	L1101-28-15K
3.0mm x 15mm Drill, Non-Irrigated	L1101-30-15K
3.3mm x 15mm Drill, Non-Irrigated	L1101-33-15K
4.2mm x 15mm Drill, Irrigated	L1100-42-15K
2.0/3.0mm Pilot Drill, Non-Irrigated	L1301-20-30K
3.0/4.2mm Pilot Drill, Irrigated	L1300-30-42K
Countersink Drill, Non-Irrigated	L1401-38-02K
Locking Drill Extender	L1404-01K
Handpiece Adapter for NP Placement Heads	L1406-01K
Hand Adapter for NP Placement Heads	L1406-02K
Latch Type Conversion Handle	L1407K
3.3mm x 18mm Surgical Tap, Irrigated	L1502-33-18K
3.75mm x 18mm Surgical Tap, Irrigated	L1502-38-18K
4.0mm x 18mm Surgical Tap, Irrigated	L1502-40-18K
5.0mm x 15mm Surgical Tap, Irrigated	L1502-50-15K
Surgical Ratchet	L1702-01K
Square Ratchet Extender, Short & Long	L1703-01K
Stabilizing Wrench for NP Placement Heads	L1709-01K
Irrigation Port Cleaner	L1800-22-02K
Surgical Depth Probe	L1803-01K
Parallel Pin, Straight, 2.0/3.0mm (4-pack)	L1805-20-00K
Ratchet Adapter for NP Mount, 8mm	L1806-04K
Ratchet/Tap Adapter, 12mm	L1806-05K
Hex Driver, .035", Swivel, Long	L2100-35-24K
Hex Driver, .048", Swivel, Short	R9121K
NP Placement Head, 15mm, SD	R9192-33-15K
NP Placement Head, 5.5mm, RD	R9192-40-05K
NP Placement Head, 15mm, RD	R9192-40-15K
NP Placement Head, 15mm, WD	R9192-50-15K

2.8mm x 10mm Irrigated Drill	L1100-28-10K
3.0mm x 10mm Irrigated Drill	L1100-30-10K
3.3mm x 10mm Irrigated Drill	L1100-33-10K
4.2mm x 10mm Irrigated Drill	L1100-42-10K
5.2mm x 10mm Irrigated Drill	L1100-52-10K

surgical drills

Round Bur

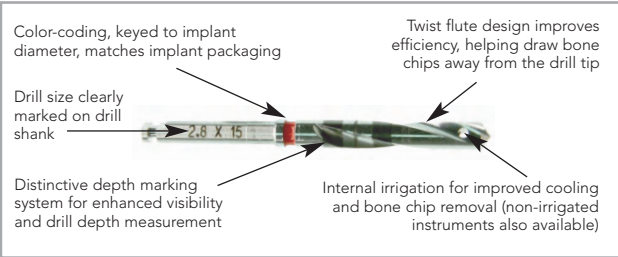
- 2.3mm Round Marking Bur for marking the implant site prior to using the initial drill.

	Item	Catalog No.
	2.3mm, Non-Irrigated	L1405-23-00K

Surgical Drills

Keystone Dental's Twist Drills are designed for improved efficiency, longevity and overall ease of use.

- Twist Drills for SD and RD implants are available irrigated or non-irrigated. All WD implant drills are irrigated.
- Drills are offered in two lengths for surgical versatility:
 - Short – for threaded implants up to 11.5mm
 - Long – for threaded implants up to 15mm



NOTE: For recommended drill sequences and details on drill depth markings, please refer to page 5. Keystone Dental recommends replacing Twist Drills after approximately 20 uses (depending on bone density), or every six months, whichever comes first.

Initial Drills

	Surgical Drills	Catalog No.
	1.6 x 15mm	L1100-16-15K
	2.0 x 10mm, Irrigated	L1101-20-10K
	2.0 x 15mm, Irrigated	L1101-20-15K
	2.0 x 10mm, Non-Irrigated	L1100-20-10K
	2.0 x 15mm, Non-Irrigated	L1100-20-15K

Surgical Drills for 3.3mm Implants

	Surgical Drills	Catalog No.
	2.8 x 10mm, Irrigated	L1100-28-10K
	2.8 x 15mm, Irrigated	L1100-28-15K
	2.8 x 10mm, Non-Irrigated	L1101-28-10K
	2.8 x 15mm, Non-Irrigated	L1101-28-15K

Surgical Drills for 3.75mm Implants

	Surgical Drills	Catalog No.
	3.0 x 10mm, Irrigated	L1100-30-10K
	3.0 x 15mm, Irrigated	L1100-30-15K
	3.0 x 10mm Non-Irrigated	L1101-30-10K
	3.0 x 15mm Non-Irrigated	L1101-30-15K

Surgical Drills for 4.0mm Implant

	Surgical Drills	Catalog No.
	3.3 x 10mm, Irrigated	L1100-33-10K
	3.3 x 15mm, Irrigated	L1100-33-15K
	3.3 x 10mm, Non-Irrigated	L1101-33-10K
	3.3 x 15mm, Non-Irrigated	L1101-33-15K

Surgical Drills for 5.0mm Implants

	Surgical Drills	Catalog No.
	4.2 x 10mm, Irrigated	L1100-42-10K
	4.2 x 15mm, Irrigated	L1100-42-15K

Surgical Drills for 6.0mm Implants

	Surgical Drills	Catalog No.
	5.2 x 10mm, Irrigated	L1100-52-10K
	5.2 x 15mm, Irrigated	L1100-52-15K

Countersink Drills

- Contour ridge prior to placing RD 3.75mm (and optionally 4.0mm) Threaded Implants, allowing implant and cover screw placement at or below the surrounding bone level.

	Countersink Drills	Catalog No.
	Irrigated	L1401-38-01K
	Non-Irrigated	L1401-38-02K

Pilot Drills

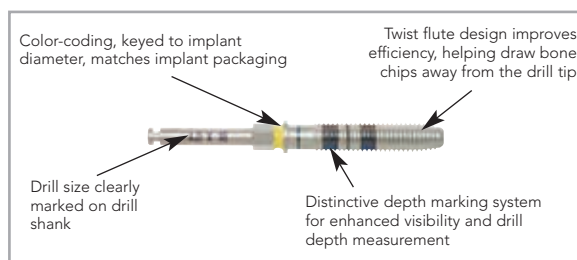
- Pilot Drills help ensure a smooth and accurate transition between two diameters of drills.

	Pilot Drills	Catalog No.
	2.0/3.0mm, Irrigated	L1300-20-30K
	2.0/3.0mm, Non-Irrigated	L1301-20-30K
	3.0/4.2mm, Irrigated	L1300-30-42K
	3.4/4.2mm, Irrigated	L1300-34-42K
	4.2/5.0mm, Irrigated	L1300-42-50K
	4.2/5.2mm, Irrigated	L1300-42-52K

surgical taps

Surgical Taps

- For pre-tapping bone prior to threaded 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).
- Offered in two lengths for surgical versatility:
 - Short – for threaded implants up to 13mm
 - Long – for threaded implants up to 18mm



3.3mm Surgical Taps, Irrigated

	Surgical Taps	Catalog No.
	3.3 x 13mm	L1502-33-13K
	3.3 x 18mm	L1502-33-18K

3.75mm Surgical Taps, Irrigated

	Surgical Taps	Catalog No.
	3.75 x 13mm	L1502-38-13K
	3.75 x 18mm	L1502-38-18K

4.0mm Surgical Taps, Irrigated

	Surgical Taps	Catalog No.
	4.0 x 13mm	L1502-40-13K
	4.0 x 18mm	L1502-40-18K

5.0mm Surgical Taps, Irrigated

	Surgical Taps	Catalog No.
	5.0 x 13mm	L1502-50-13K
	5.0 x 15mm	L1502-50-15K

6.0mm Surgical Taps, Irrigated

	Surgical Taps	Catalog No.
	6.0 x 13mm	L1502-60-13K
	6.0 x 15mm	L1502-60-15K

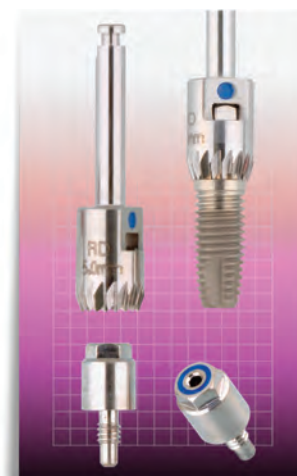
surgical instrumentation & other products

Bone Profiler System

- Offers an easy method of removing bone overgrowth without damaging the implant prosthetic table.
- Size etching on the Bone Profiler provides easy identification of the diameter that matches the diameter of the Healing Abutment to be placed.
- Color-coding matches the Bone Profiler with its corresponding Guide Pin.
- Specially designed window in the Bone Profiler allows visual confirmation that the bone is fully contoured.
- Packaged with the required Guide Pin.

Instrumentation Required:

- Narrow Profile (NP) Ratchet Adapter (page 41) or .035" Hex Driver (page 45)



Bone Profiler System

	Bone Profiler	Catalog No.
	4.2mm Diameter (with Guide Pin)	L1408-42K
	5.5mm Diameter (with Guide Pin)	L1408-55K
	SD Guide Pin (2-pack)	L1411-01K



Bone Profiler System

	Bone Profiler	Catalog No.
	5.0mm Diameter (with Guide Pin)	L1409-50K
	6.0mm Diameter (with Guide Pin)	L1409-60K
	RD Guide Pin (2-pack)	L1412-01K



Bone Profiler System

	Bone Profiler	Catalog No.
	6.0mm Diameter (with Guide Pin)	L1410-60K
	7.5mm Diameter (with Guide Pin)	L1410-75K
	WD Guide Pin (2-pack)	L1413-01K

Narrow Profile (NP) Placement Heads for Threaded Implants

- Reference mark aligns with the top of the implant hex.
- External flats correspond to the flats on the implant hex.

Instrumentation Required:

- .048" Hex Driver (page 45) or slot driver
- To change a Placement Head use the Placement Head Assembly Block with Titanium Sleeves below.

SD

Narrow Profile (NP) Placement Heads

	Length	Catalog No.
	5.5mm	R9192-33-05K
	15mm	R9192-33-15K

RD

Narrow Profile (NP) Placement Heads

	Length	Catalog No.
	5.5mm	R9192-40-05K
	15mm	R9192-40-15K

WD

Narrow Profile (NP) Placement Heads

	Length	Catalog No.
	15mm	R9192-50-15K

Placement Head Assembly Block

Holds threaded implants while attaching or changing Implant Placement Heads.

	Item	Catalog No.
 	Placement Head Assembly Block (Includes sleeves for SD, RD & WD implants)	L1813-01K

surgical instrumentation & other products

Stabilizing Wrench

- For use with all Narrow Profile (NP) Placement Heads.
- Use open or closed end to stabilize the implant during loosening of the Placement Head Screw.
- Pin engages the Ratchet Conversion Adapter (L1806-01K) to stabilize the implant during manual placement.

	Item	Catalog No.
	Stabilizing Wrench	L1709-01K

Surgical Ratchet, Adapters and Extenders

- Ratchet is used for manual operation of the Surgical Taps and/or final tightening of the implant.
- Ratchet Extenders enable clearance of the adjacent teeth.
- Ratchet Adapter and Ratchet/Tap Adapter can be used to carry the implant to the site.
- Ratchet/Tap Adapter can be used with Surgical Taps for manual tapping.

	Item	Catalog No.
	Surgical Ratchet	L1702-01K
	Ratchet Adapter, 8.0mm (for NP Placement Heads)	L1806-04K
	Ratchet/Tap Adapter, 12mm (for NP Placement Heads/Latch Type Taps)	L1806-05K
	Ratchet Extender, Short & Long (to extend the Ratchet Adapter)	L1703-01K
	Replacement O-Rings for Ratchet Adapter (4-pack)	L1806-03K

Surgical Depth Probe

- Distinctive markings for enhanced visibility and depth measurement of the implant site.
- Apical ball allows tactile examination of the implant site.
- Used after the 2.0mm diameter drill.

	Item	Catalog No.
	Surgical Depth Probe	L1803-01K

Conversion Handle for Latch-Type Instruments

- This handle connects to the end of any latch-type instrument or driver for hand-operation.

	Item	Catalog No.
	Conversion Handle	L1407K

Hand Adapter for Narrow Profile (NP) Placement Heads

- Connects to the NP Placement Head for hand implant delivery to the site.
- Can also be used to remove the placement head by inserting a hex driver through the top to loosen the screw and carrying placement head assembly out of the mouth.

	Item	Catalog No.
	Hand Adapter	L1406-02K

Handpiece Adapter

- Inserts in the handpiece and connects to Placement Head for motor driven implant placement.

	Item	Catalog No.
	Handpiece Adapter	L1406-01K
	Handpiece Adapter, Long	13085K

Surgical Hand Driver

- For hand driven implant placement in the anterior region.

	Item	Catalog No.
	Surgical Hand Driver	L1414-01K

Locking Drill Extender

- Adds 17mm to any latch-type instrument.
- Design includes irrigation port for use with internal irrigation.

	Item	Catalog No.
	Locking Drill Extender	L1404-01K

Irrigation Port Cleaner

	Item	Catalog No.
	Irrigation Port Cleaner	L1800-22-02K

surgical instrumentation & other products

Tissue Measuring Gauge

- Slides directly onto RD external hex implants to measure tissue height prior to abutment selection.

	Item	Catalog No.
	Tissue Measuring Gauge	I3280-40K

Disposable Tissue Punches

- Packaged sterile and used to uncover implants.

	Tissue Punch	Catalog No.
	3.7mm, Disposable	ISS140K
	4.5mm, Disposable	ISS141K

Depth Gauges

- Verifies depth of the surgical site. (Depth marks correspond to implant lengths).

	Depth Gauge	Catalog No.
	 18mm	R9185-33K
	 18mm	R9118K

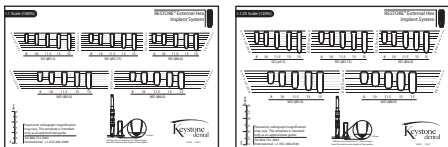
Parallel Pins

- Use as a visual guide during surgery to help ensure parallel implant placement.

	Item	Catalog No.
	Straight Parallel Pin, 2.0/3.0mm (4-Pack)	L1805-20-00K
	15° Parallel Pin, 2.0/3.0mm (2-Pack)	L1805-20-15K
	25° Parallel Pin, 2.0/3.0mm (2-Pack)	L1805-20-25K

Implant Sizing Overlays

- Use these transparent overlays with radiographs for pre-surgical assessment and implant selection.
- 100% (1:1) Sizing Overlay for use with peri-apical x-rays.
- 125% Sizing Overlay for panoramic radiographs.

	Item	Catalog No.
	Implant Sizing Overlays, 100% & 125%	11027K

surgical instrumentation & other products

Implant Organizer

- Each stackable organizer holds up to 30 implants and is designed to stand vertically in a cabinet or lay flat in a drawer. The hinged, see-through lid allows for a quick visual inventory assessment.

	Item	Catalog No.
	Implant Organizer	L1821-01K

Accu-Torque Wrenches

- Pre-calibrated wrenches precisely deliver 10, 20 or 30Ncm of torque.
- Used with Accu-Torque Driver tips listed on page 45-46.
- Conversion Handle allows use of Accu-Torque Driver tips and Ratchet Adapters as hand drivers.

	Item	Catalog No.
	Accu-Torque Wrench, 10Ncm	ISS1100K
	Accu-Torque Wrench, 20Ncm	ISS1101K
	Accu-Torque Wrench, 30Ncm	ISS1102K
	Conversion Handle for Accu-Torque Drivers and Ratchet Adapters, Swivel Head	ISS1112K
	Replacement O-Rings for Accu-Torque Drivers (6-pack)	ISS1111K

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

.035" Hex Drivers

- Used for Cover Screws.
- Tapered hex tip allows screws to be carried to the implant site.

	.035" Hex Drivers	Catalog No.
	Swivel Head, Short (8mm shaft/19mm total length)	L2100-35-19K
	Swivel Head, Long (13mm shaft/24mm total length)	L2100-35-24K
	Latch-Type, Short (23mm total length)	L1400-35-23K
	Latch-Type, Long (28mm total length)	L1400-35-28K
	Driver Tip for Accu-Torque Wrench, Short (8mm shaft)	ISS1117K

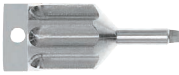
.048" Hex Drivers

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

	.048" Hex Drivers	Catalog No.
	Swivel Head, Short (8mm shaft/19mm total length)	R9121K
	Swivel Head, Long (13mm shaft/24mm total length)	R9122K
	Latch-Type, Short (23mm total length)	L1400-48-23K
	Latch-Type, Long (28mm total length)	L1400-48-28K
	Driver Tip for Accu-Torque Wrench, Short (8mm shaft)	ISS1104K
	Driver Tip for Accu-Torque Wrench, Long (15mm shaft)	ISS1109K

.062" Hex Drivers

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

	.062" Hex Drivers	Catalog No.
	Swivel Head, Short (8mm shaft/19mm total length)	L2100-62-19K
	Swivel Head, Long (13mm shaft/24mm total length)	L2100-62-24K
	Latch-Type, Short (23mm total length)	L1400-62-19K
	Latch-Type, Long (28mm total length)	L1400-62-23K
	Driver Tip for Accu-Torque Wrench, Short (8mm shaft)	ISS1119K
	Driver Tip for Accu-Torque Wrench, Long (15mm shaft)	ISS1120K

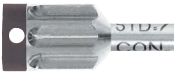
Square Drivers

- Used for square drive Gold Abutment Screws.
- Tapered square tip allows screws to be carried to the implant site.

	Square Drivers	Catalog No.
	Swivel Head, Short (8mm shaft/19mm total length)	L2100-85-19K
	Swivel Head, Long (13mm shaft/24mm total length)	L2100-85-24K
	Latch-Type, Short (23mm total length)	L1400-85-23K
	Latch-Type, Long (28mm total length)	L1400-85-28K
	Driver Tip for Accu-Torque Wrench, Short (8mm shaft)	ISS1118-1K
	Driver Tip for Accu-Torque Wrench, Long (15mm shaft)	ISS1118K

Standard/Conical Abutment Drivers

- Used for Standard Abutments and SD and RD Conical Abutments.

	Standard/Conical Abutment Drivers	Catalog No.
	Swivel Head, Short (8mm shaft/19mm total length)	L2100-80-19K
	Latch-Type, Short (23mm total length)	L1400-80-23K
	Driver Tip for Accu-Torque Wrench, Short (8mm shaft)	ISS1103K

Overdenture Abutment Drivers

- Used for O-Ring and Snap Abutments.

	Overdenture Abutment Drivers	Catalog No.
	Swivel Head, Short (8mm shaft)	L2100-96-19K
	Latch-Type, Short (20mm total length)	L1404-96-20K
	Driver Tip for Accu-Torque Wrench (8mm shaft)	L2101-96-16K

Comprehensive Prosthetic Instrument Kit

- Provides the most commonly used prosthetic instrumentation needed to restore Keystone Dental's RESTORE® and STAGE-1® Single Stage Implants.
- Comprehensive kit configuration includes a 20 and 30Ncm Torque Wrench, a Conversion Handle and 12 Torque Tip Drivers along with a sterilization organizer box.

Item	Catalog No.
Comprehensive Prosthetic Instrument Kit	L9108-1K

Comprehensive Prosthetic Instrument Kit Includes:

Accu-Torque Wrench, 20Ncm
 Accu-Torque Wrench, 30Ncm
 .048" Hex Driver, for Accu-Torque Wrench, Long (15mm shaft)
 .048" Hex Driver, for Accu-Torque Wrench, Short (8mm shaft)
 .062" Hex Driver, for Accu-Torque Wrench, Long (15mm shaft)
 .062" Hex Driver, for Accu-Torque Wrench, Short (8mm shaft)
 Square Driver, for Accu-Torque Wrench, Long (15mm shaft)
 Square Driver, for Accu-Torque Wrench, Short (8mm shaft)
 Standard/Conical Abutment Driver, for Accu-Torque Wrench (8mm shaft)
 Overdenture Driver, for Accu-Torque Wrench (8mm shaft)
 Conversion Handle for Accu-Torque Driver, Swivel Head
 Component Pack

ISS1101K
 ISS1102K
 ISS1109K
 ISS1104K
 ISS1120K
 ISS1119K
 ISS1118K
 ISS1118-1K
 ISS1103K
 L2101-96-16K
 ISS1112K
 L1812-01K



Component Pack

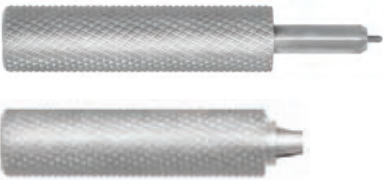
- Organizes small components such as the implant cover screws, placement heads, etc.
- Autoclavable design with slide lid.

Item	Catalog No.
Component Pack	L1812-01K



Reamers and Reamer Handle

- For refining the screw access chimney or screw seat interface after casting of plastic sleeves.
- Individual Reamers are designed for use with the Reamer Handle.

	Item	Catalog No.
   	Reamer Handle UCLA, Swivel-Head	L2802-01K
	 Reamer, UCLA	L2800-01K
	 Reamer, UCLA	L2800-02K
	 Reamer, UCLA	L2800-03K
	Reamer, Fixed Detachable	410580K

Waxing Pins

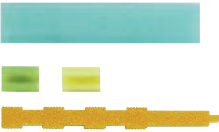
- Used during laboratory waxing procedures to form an extended screw access chimney.



Waxing Pins	 Catalog No.	 Catalog No.	 Catalog No.
UCLA, .048" Hex	R9394-34K	R9595-40K	R9595-50-48K
Standard/Conical, Slot	R9596-40K	R9596-40K	
Conical, .048" Hex			R9596-50-48K
Fixed Detachable, .048" Hex	R9229-48K	R9229-48K	

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.

	Item	Catalog No.
	Hader Castable Bar and Clip System (includes 1 Hader Bar, 6 Processing Clips, 6 Final Clips and 1 Seating Tool)	ISS185HK
	Hader Castable Bar	ISS185BK
	Hader Processing Clips (6-pack)	ISS185HPK
	Hader Final Clips (6-pack)	ISS185HRK
	Hader Clip Seating Tool	ISS185TK
	Hader Metal Housing Clips (6-pack)	ISS526HK

Gold Bar Cylinder

- Used for creating a bar-retained overdenture restoration using the soldering technique.
- The Gold Bar Cylinder is 8mm tall and is only available in an RD, non-locking version.
- Secured using an RD, gold or titanium UCLA Screw (sold separately).

	Item	Catalog No.
	Gold Bar Cylinder	R2402-01K
	Titanium Screw, .048" Hex	R9203-40-48K
	Gold Screw, Square Drive	R9203-40-85K

Internal Thread Taps for Implants

- Used to reform the internal threads of an implant if cross-threading has occurred.
- Internal Thread Taps include a handle for manual operation.

	Internal Thread Taps	Catalog No.
	 I-72 Thread	L1700-72K
	 M2.0 Thread	L1700-20K
	 M2.5 Thread	L1700-25K

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*

Item	Catalog No.
ImplantMED Surgical Motor Unit	WH-SI915
20:1 Reduction Contra-Angle Handpiece – for implant surgery (15-2,000 rpm)	WH-WI75E
1:1 High Speed Straight Handpiece – for oral surgery (300-40,000 rpm)	WH-S11
2:1 Contra-Angle Handpiece – for endodontics	WH-WD79M
Irrigation Tubing and Spike Assembly, Disposable (for use with ImplantMED Motor)	WH-43636
Irrigation Tubing Clips, (5-pack)	WH-40190
Irrigation Needle (for use with internally irrigated drills)	WH-26105
Y-Connector	WH-26539
Y-Tubing	WH-26547
Irrigation Tube Clip, W1-75 Handpiece	WH-04757100
Testing Gauge (for latch-type instrument shanks)	WH-21398
Travel Case	WH-CASE
Service Oil, 400ml (Special shipping & handling required [aerosol can]. Contact Client Service for shipping rates.)	WH-1094
Sterilization Protector	WH-40326
Sterilization Case	WH-40135
Spray Cap (replacement)	WH-20382

* 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.



Item	Catalog No.
DynaBlast paste 0.5cc	10.210.1050
DynaBlast paste 1.0cc	10.210.1060
DynaBlast paste 3.0cc	10.210.1070

Item	Catalog No.
DynaBlast putty 1.0cc	10.220.1030
DynaBlast putty 2.5cc	10.220.1040
DynaBlast putty 5.0cc	10.220.1050

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.

Item	Catalog No.
DynaGraft•D gel 0.5cc	10.110.1050
DynaGraft•D gel 1.0cc	10.110.1060
DynaGraft•D gel 5.0cc	10.110.1070

Item	Catalog No.
DynaGraft•D putty 1.0cc	10.120.1050
DynaGraft•D putty 2.5cc	10.120.1060
DynaGraft•D putty 5.0cc	10.120.1070

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.

DYNA **GRAFT•D**



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

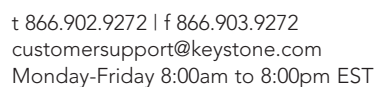
Once implanted, these components work together to stimulate the recruitment of the body's cells, which in turn become the third component critical to healing.

- 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.



Item	Catalog No.
DynaMatrix 15 x 20mm, single pack	10.401.1520
DynaMatrix 20 x 30mm, single pack	10.401.2030
DynaMatrix 30 x 40mm, single pack	10.401.3040

Item	Catalog No.
DynaMatrix 15 x 20mm, five pack	10.405.1520
DynaMatrix 20 x 30mm, five pack	10.405.2030
DynaMatrix 30 x 40mm, five pack	10.405.3040



Order # Account #

SHIP TO		BILL TO	
Date	P.O. #	Name	
Name		Address	
Address		City	
City		State/Country	
State/Country		Zip/Postal Code	
Zip/Postal Code		Phone #	
Phone #		Credit Card (type)	
Specialty		Card #	Exp.
Desired Delivery Date		Credit Card Billing Address	
Comments		City	State Zip

[illegible]

ordering and warranty information

PRICING: Prices are subject to change without notice.

PAYMENT TERMS AND OPTIONS (U.S. ONLY): Prepayment for first-time orders may be required. For your convenience, we accept VISA, MasterCard, and American Express. Please remit invoice payments by check to: Keystone Dental, Inc., P.O. Box 731027, 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 P.M. or Next Day A.M. (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/or 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 liability resulting from the use of these products, whether used separately or in combination with other products not 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 they accompany our product. Keystone Dental continually strives to improve its products and therefore reserves the right to improve, modify or discontinue products at any time, or to change specifications without notice and without incurring obligations.

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 60 days of the invoice date, Keystone Dental will offer full credit of the initial purchase price.
- At 61-120 days from the invoice date, Keystone Dental will accept return product for exchange OR for credit less a processing fee equal to 15% of the list price.
- At 121-180 days from the invoice date, Keystone Dental will accept return product for exchange only.
- 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.

Keystone Dental will not accept product for return or 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 product(s) originally from Kits, Packs, Sets, or if the original invoice included the items at no charge. Cash refunds cannot be issued for returns purchased by credit card. Credit for such returns 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 product will be accepted at Keystone Dental without a Return Material Authorization number.

SURGICAL DRILL AND TORQUE WRENCH WARRANTY: Keystone Dental warrants its drills and torque wrenches to be free from defects in material and workmanship 90 (ninety) days from the date of the original invoice. If 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 MOTOR WARRANTY: W&H (Impex Worldwide, Inc.) warrants handpieces and motors for one year to be free of defects in the materials and workmanship. W&H's sole obligation under this product warranty is, at 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&H Motor System is available from Keystone Dental only in the United States.

Trademark Acknowledgements

Prima, PrimaConnex, PrimaSolo, RENOVA, RESTORE, STAGE-1, DynaBlast, DynaGraft•D, DynaMatrix, CALMATRIX, CALFORMA, TEFGEN-FD, TEFGEN-PLUS, TEFGEN and TiLobe are trademarks of Keystone Dental, Inc. Nobel Biocare and EsthetiCore are registered trademarks of Nobel Biocare. Zimmer Taper-Lock is a registered trademark of Zimmer, Inc.



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The products described herein are covered by one or more of the following patents:
US 5,996,779, US 6,142,296, US 7,249,949, and applicable international patents.
Additional patents are pending.