CE 0086

**"How something small,
can make such a big difference!!"**

"Your best choice in overdenture"

NewYork KERATOR

Overdenture Attachment Systems

Kerator has the world's most powerful competitive in overdenture attachment system.

Why?

KERATOR was chosen over the other overdenture attachment, for the comfortable retention power of caps and excellent mobility in the denture metal housing, in world market.

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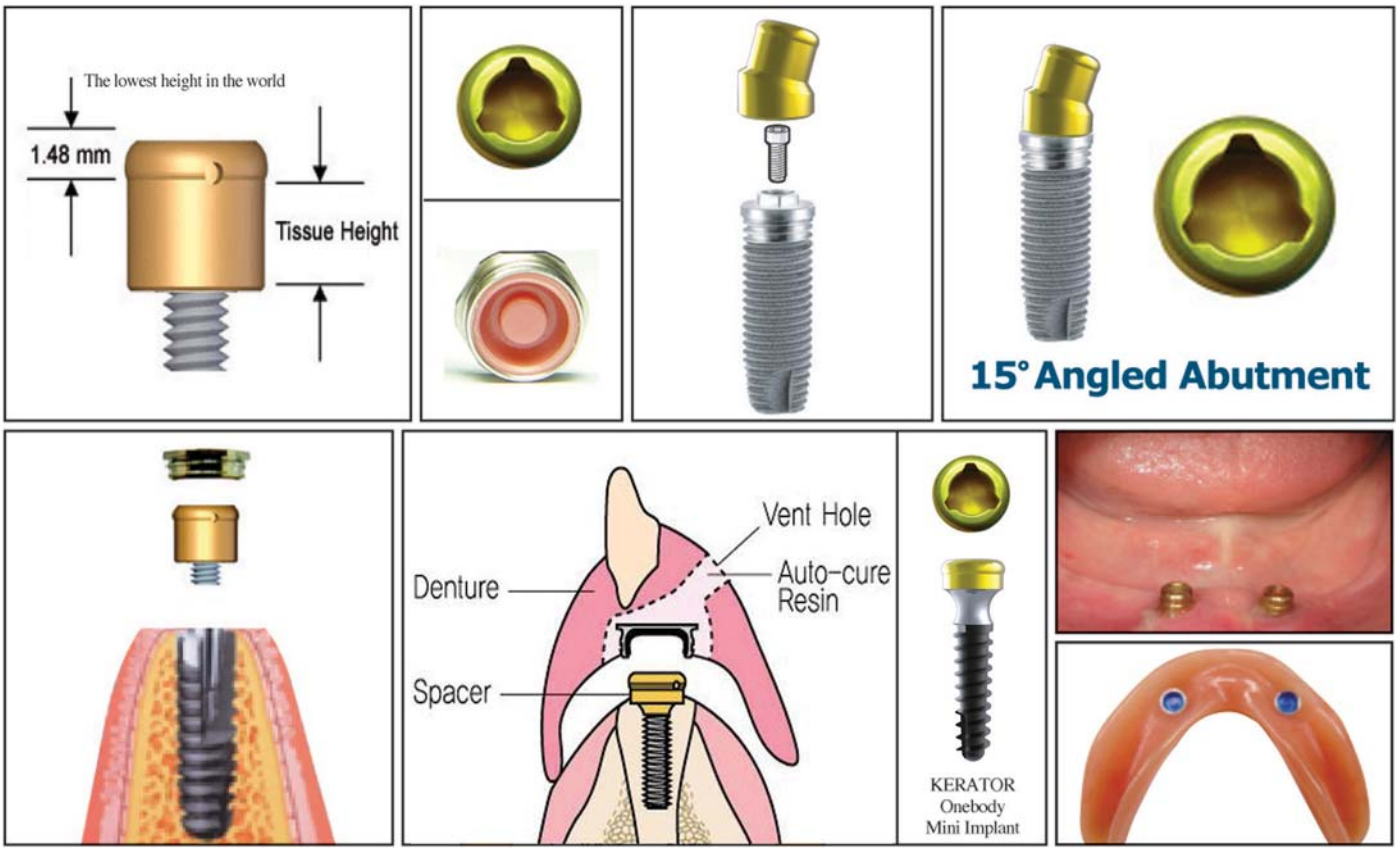


1. KERATOR Implant Abutments are usable to fit all Implant system

Nobel Biocare(Brånemark, Sterioss, Replace, Replace Select), 3i, Astra, ITI, Ankylos, Biohorizon, Biolok, Bicon, Camlog, Endopore, Frialit-2&Xive, Lifecore, Zimmer(Calcitek, Paragon, Swissplus), Uniti, Pitt-Easy, Osstem, Dentium, Dio, Dentis, Megagen, Cowell Medi, Warantec…

The others can be made within 10 days!!

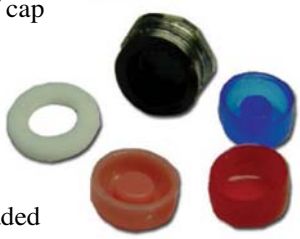
A celebrated concept, now with innovative new features.

- Innovative : Metal Housing includes an octa to stop rotation
- Simple : plastic carrier for the abutment makes it easier, safer to handle and check alignment in the mouse
- Versatile : angled abutment and bar options are available
- Convenient : two clever multi use tools for improved functionality

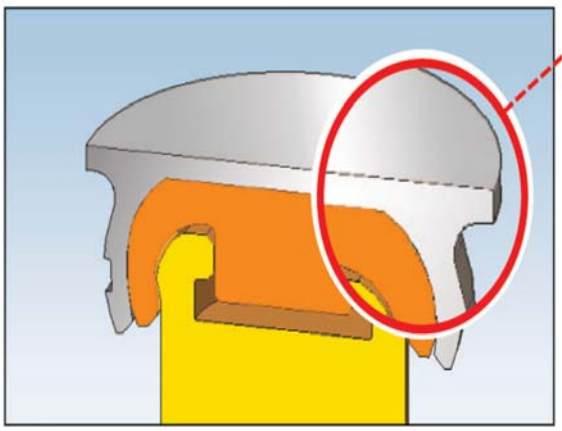
Comparing KERATOR with the others, there are the better advantage as followings.

1. Easy Insertion(Accurate alignment using self locating design)
2. Lowest Vertical Height in the world
3. Dual Retention(Outside and inside retention ensures the longest lasting performance)
4. Resilient KERATOR attachment with the superior mobility
5. KERATOR attachment can be used with non-parallel implants using Angled Abutment and Extended range Male for combined 40 degree divergency(The others + α !!!)

KERATOR VS A&B competitors

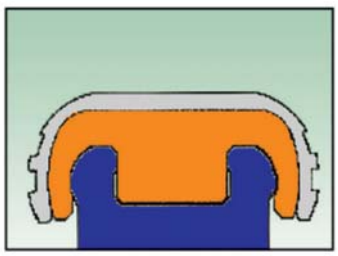
NewYork KERATOR	Competitor A	Competitor B
Using our own technology Patented KERATOR Angled Abutment in foreign countries, You can apply it to the wrong path of implants. It maximizes the satisfaction of patients and dentists. 	Patients can bite a denture into place without damages to attachment components. (self-aligning)	Patients must carefully insert their denture by hands only to avoid damage to **B** male. (not self-aligning)
Using KERATOR Carrier(or KERATOR Tip), you can thread KERATOR abutment into the implant easily and safely. Also you can check the alignment of angle with KERATOR Carrier, Using Magic Tool, you can tighten abutment and insert male cap into the metal housing. 	A patented combination of inside and outside retention ensures long lasting performance. (dual-retention)	The outside skirt of **B** has no retentive function. (only inside retention)
The shape of KERATOR Metal Housing is Dual-Undercut design. It increases coherence with denture resin. 	Durability cycle test **A** root : 110,000 insertions **A** implant : 60,000 insertions	Durability cycle test **B** root : 3,500 insertions **B** implant : 3,000 insertions
Retention power of KERATOR male cap is down up to 20% and red cap(angle) is included in the male package. 20 colors of cap determine retention power and it minimizes Denture Repair even if the change as bone loss is continued.  KERATOR abutment for the implant of each company is threaded exactly, not compatible. KERATOR has many advantages and it's cost is lower than A's cost(about 40% off). One distributor in one country strategy. The lowest height in the world : 1.48mm	Low height **A** root : 2.5mm (female 1.5mm+male denture cap 1.0mm) **A** on hexed implant : 3.17mm **A** is 2mm wider. **A** hinges but has no vertical resiliency.	High profile **B** root : 3.25mm (with metal cap) **B** on hexed implant : 4.85mm **B** is 2mm narrower. **B** hinges and offers true 0.4mm vertical resiliency.

KERATOR Metal Housing

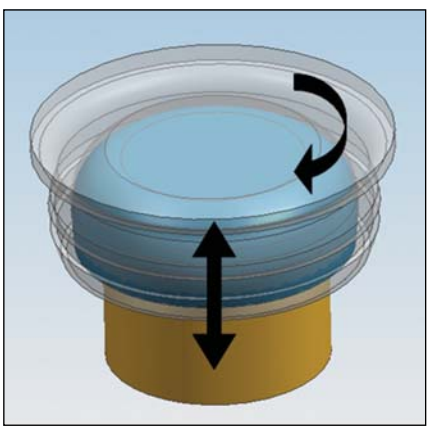


▲Kerator

Cross section of KERATOR metal housing showing the retentive properties; Increasing coherence with denture resin



▲The others A, B

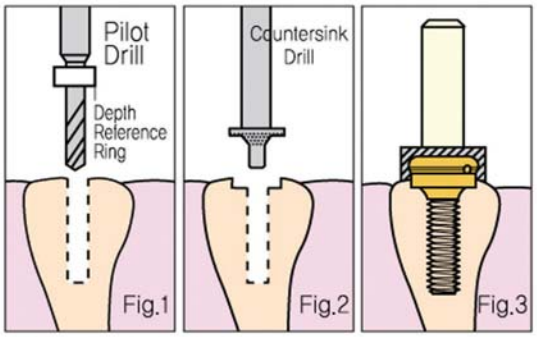


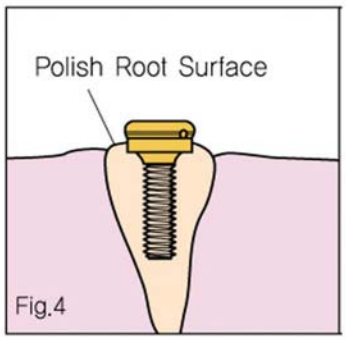
▲Excellent mobility

2. KERATOR Overdenture Attachments for Root

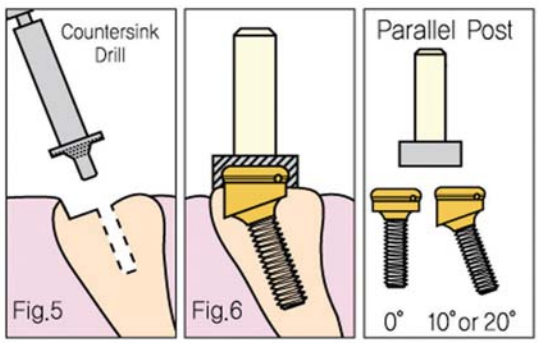
There are two types for root retained overdentures.
KERATOR Direct Placement Attachment female(Post Type) is manufactured in stainless steel and cemented into root prepared to receive it.
KERATOR Attachment female(Cast Type) is a pattern that is incorporated into wax-pattern for post coping. This is cast in hard alloy.
The quality of the material is Teallite or Cobalt-chromium-molybdeum casting alloy.
It is environment-friendly and more cheaper than gold alloy.

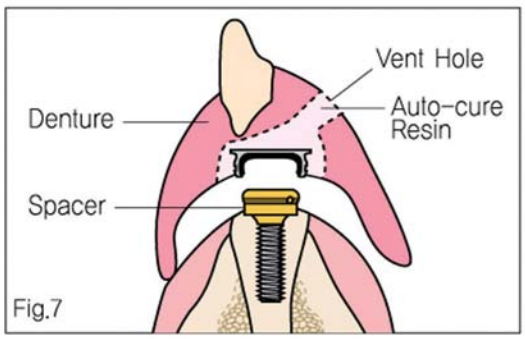
A. Direct Technique





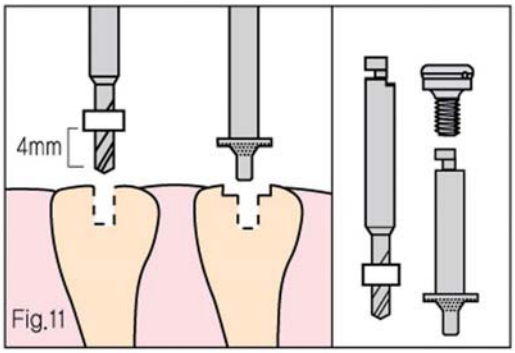
NON-DIVERGENT ROOT

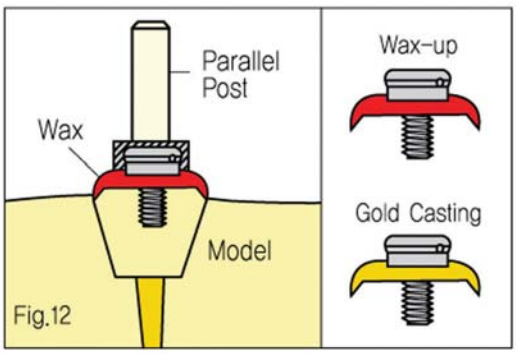




DIVERGENT ROOT

B. Cast-to Technique



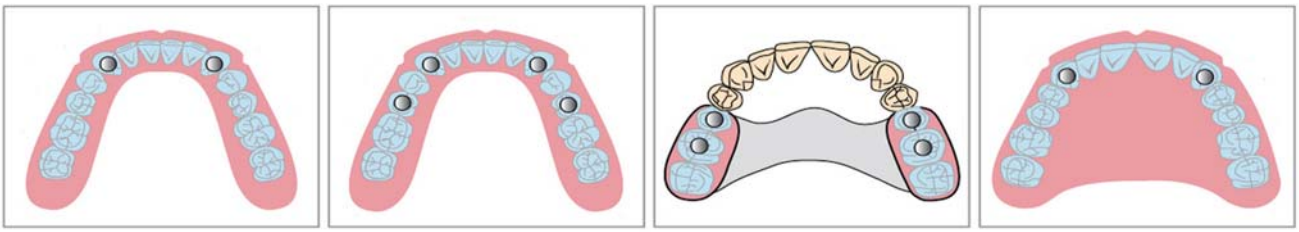


Clinical pictures

Case A (Mandible)

Case B (Maxillary)

Case C (Partial Denture)



Implant Mandible Overdenture A

Implant Mandible Overdenture B

Implant Partial Denture

Implant Maxilla Overdenture

KERATOR All Post

	Diameter	Titanium Direct Post	Burn-Out Post
White	0.90mm	Option =>Your choice !	
Yellow	1.30mm	4 pcs	4 pcs
Red	1.45mm	4 pcs	4 pcs
Blue	1.60mm	4 pcs	4 pcs

※ All Post Refill : (Pkg. of 5)

1. Metal Post

2. Burn Out Casting Post

Irrigator(Surgical Irrigant Delivery System)

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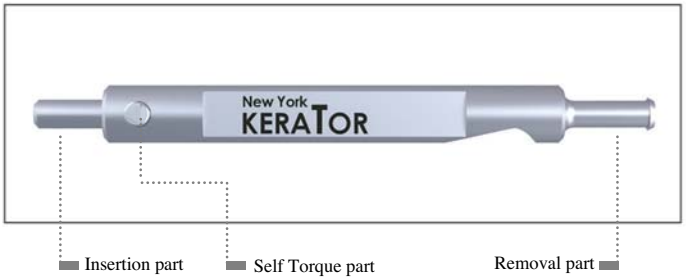
KERATOR Magic Tool & Tip, Housing



Hand Torque Housing | Torque Tip

KERATOR Coping | KERATOR Analog

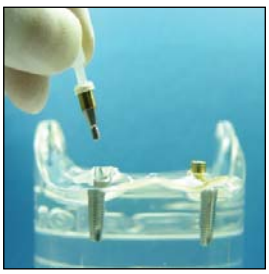
KERATOR Male Cap Set

Metal Housing | White Spacer | 2.4 lbs | 1.2 lbs | Extra Light Angled

4 lbs | Light Angled

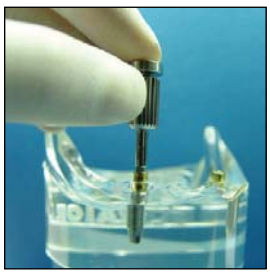
KERATOR Manual

1. Remove healing abutment using hex driver. (0.05inch, 1.27mm)



2. Engage abutment into the implant using carrier.

3. Engage straight abutment. (*check the implant alignment)



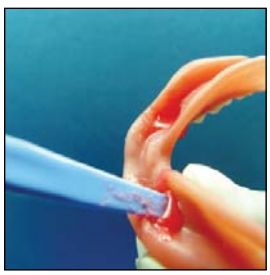
4. Tighten the abutment by Hand torque housing & tip

5. Use the Torque Wrench 20Ncm

6. Place a White Block-out Spacer over the head of each KERATOR abutment.

7. Insert Metal Housing with black cap.

8. Prepare a recess in the denture. Make a vent hole on the lingual aspect to express resin.



9. Mix a resin and place a small amount in the recess of the denture.

10. Insert the denture into position.

11. After the resin has cured, remove the denture and discard the white spacer.

12. Remove the Black cap from the Metal Housing using KERATOR Magic Tool.

13. Push a final cap using KERATOR Magic Tool.

14. Finished figure.

15. Have the patient insert.