Overdenture Attachments for Implants

Minimal Height. Superior Retention.
AlphaLoc Overdenture Attachments for Implants

“Minimal height resilient attachment that provides superior retention”
Dr. Yoav Grossmann D.M.D., senior prosthodontist at Sheba Medical Center, Israel

Alpha-Bio Tec, a leading dental company presents the new AlphaLoc overdenture attachments, offering dentists and laboratories multiple solutions for all case, including unique situations of limited interocclusal space and implant divergence.

The AlphaLoc overdenture-implant Attachment System is designed for use with full or partial dentures by endosseous implants in mandible or maxilla.

The AlphaLoc has been especially designed for optimal compatibility with Alpha-Bio Tec’s internal hex implant systems.

AlphaLoc is an efficient, reliable, cost-effective and long lasting solution.

First in Dimensions. First in Results.
AlphaLoc has the lowest vertical profile in the market, 2.1 mm, and the smallest width of 4.5 mm compared to the existing implant overdenture attachments.

- Ideal for use in limited interocclusal spaces
- Provides a wide range of clinical solutions
- The system’s compact design benefits both the dentist and technician with incomparable planning and execution freedom

Key features:
- Minimizes occlusal and lateral forces on the implant
- Enhances overdenture acrylic thickness and strength
- Easier for patient handling
- Superior esthetic result
- Versatility - a variety of options for retention and angulation provides a wide range of clinical solutions
- Wide range of AlphaLoc abutments with different cuff heights for different tissue depths
- Composed of Alpha-Bio Tec’s Titanium alloy, especially coated with TiN to minimize friction and maximize system’s life length

Key benefits:
- Designed with customizable levels of retention
The various levels of retention of the nylon males can be customized according to the specific clinical cases.
Key Features and Benefits

Versatile treatment options

Maximal versatility to suit various tissue depth heights

Designed to be used with parallel and non-parallel implants

A total of 4 retentive caps are needed to correct divergence of up to 40° between implants.

UniCover is recommended above 28 degrees of divergence between implants, allowing maximal durability of the caps and minimizing the frequency of patient follow-up (low maintenance).

Compatibility

- Especially designed for optimal compatibility with all Alpha-Bio Tec’s internal hex implant systems.
- Optimal fit to Alpha-Bio Tec’s standard tools: hex manual screw driver 1.25 / contra angle motor mount / torque wrench driver as shown below.

The parts should be connected with 30 Ncm using a torque wrench

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Instructions</th>
<th>Contra Angle Motor Mount</th>
<th>Hex Driver Short</th>
<th>Hex Driver</th>
<th>Hex Driver Long</th>
<th>Manual Screw Driver Short</th>
<th>Manual Screw Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td>4165</td>
<td>To be used with a contra angle motor</td>
<td>7.85 mm</td>
<td>6.35 mm</td>
<td>6.35 mm</td>
<td>4.35 mm</td>
<td>Ø 7.85 mm</td>
<td>Ø 7.85 mm</td>
</tr>
<tr>
<td>4056</td>
<td>Fits hexagonal 6.35 mm (¼ inch) or square 4 mm ratchet</td>
<td>21 mm</td>
<td>11.5 mm</td>
<td>14.5 mm</td>
<td>20 mm</td>
<td>7.3 mm</td>
<td>0.7 mm</td>
</tr>
<tr>
<td>4055</td>
<td>For Manual Use</td>
<td>7.85 mm</td>
<td>6.35 mm</td>
<td>6.35 mm</td>
<td>4.35 mm</td>
<td>Ø 7.85 mm</td>
<td>Ø 7.85 mm</td>
</tr>
<tr>
<td>4061</td>
<td></td>
<td>21 mm</td>
<td>11.5 mm</td>
<td>14.5 mm</td>
<td>20 mm</td>
<td>7.3 mm</td>
<td>0.7 mm</td>
</tr>
<tr>
<td>4053</td>
<td></td>
<td>7.85 mm</td>
<td>6.35 mm</td>
<td>6.35 mm</td>
<td>4.35 mm</td>
<td>Ø 7.85 mm</td>
<td>Ø 7.85 mm</td>
</tr>
<tr>
<td>4052</td>
<td></td>
<td>21 mm</td>
<td>11.5 mm</td>
<td>14.5 mm</td>
<td>20 mm</td>
<td>7.3 mm</td>
<td>0.7 mm</td>
</tr>
</tbody>
</table>
Workflow

Clinical Steps

1. After Implantation

2. Implants Exposure

3. Healing Abutments

4. UniBase Placement

5. Attachment Connection

6. Impression Making using AlphaLoc Impression Coping

7. Place the impression coping on the AlphaLoc and UniBase attachments

8. Insert the analog into the impression coping and pour the master model
Workflow

Laboratory Steps
(Metal Housing and Retentive Caps Placed by Dental Technician)

9 Fabrication of the master model.
Master model with analogs in position

10 Housing attached to overdenture by dental technician

Chairside

11 Denture preparation

11a. Option 1
The preparations for the metal housing attachments are done by a dental technician

11b. The recommended height between the shoulder of the attachment and the healthy soft tissue is 1 mm.
An adequate clearance and passiveness of the metal housing attachments inside the preparations should be checked.
Use block out spacer for overcoming potential undercuts between AlphaLoc abutments.
Carefully attach the metal housing and the denture using a self-curing resin.

12 Denture delivery

11c. Option 2
Chair-side preparations for the metal housing attachments are done by a dentist
### AlphaLoc Abutments
Titanium alloy with TiN coating

<table>
<thead>
<tr>
<th>Height</th>
<th>0.5 mm</th>
<th>1 mm</th>
<th>2 mm</th>
<th>3 mm</th>
<th>4 mm</th>
<th>5 mm</th>
<th>6 mm</th>
<th>7 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abutments Ref. No.</td>
<td>4859 4860 4861 4862 4863 4864 4865 4866</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Kit’s Ref. No.
AlphaLoc Kit: 1 Abutment (height can be selected as shown above 0.5-7 mm), 1 Stainless Steel Metal Housing, 4 Retentive Caps, 1 Block out Spacer, 1 Laboratory Cap

| Ref. No.  | 4867 4868 4869 4870 4871 4872 4873 4874 |

### AlphaLoc Male Processing Package

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>4875</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes</td>
<td>Stainless Steel Housing, Block out Spacer, Nylon Replacement Males (violet, clear, pink and yellow), Laboratory Cap (black)</td>
</tr>
</tbody>
</table>

### AlphaLoc Replacement Male

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>4876 4877 4878 4879</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retention</td>
<td>Strong (violet)  Standard (clear)  Soft (pink)  Extra Soft (yellow)</td>
</tr>
</tbody>
</table>

### AlphaLoc UniCover connected to UniBase
Titanium alloy with TiN coating

<table>
<thead>
<tr>
<th>Angle</th>
<th>17°  30°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>2 mm  1.5 mm  2.5 mm  1.5 mm  2.5 mm</td>
</tr>
<tr>
<td>Ref. No.</td>
<td>4880 5308 5907 5312 5313</td>
</tr>
</tbody>
</table>

### Contents

<table>
<thead>
<tr>
<th>AlphaLoc Laboratory Cap (black)</th>
<th>AlphaLoc Block Out Spacer*</th>
<th>AlphaLoc Impression Coping</th>
<th>AlphaLoc Female Analog</th>
<th>AlphaLoc Insertion Tool</th>
<th>AlphaLoc Extraction Tool</th>
</tr>
</thead>
</table>

* When connecting the metal housing and the denture with a fluid acrylic in patient’s mouth, the disk is used to isolate the abutment’s undercuts.
Alpha-Bio Tec’s products are cleared for marketing in the USA and are CE-marked in accordance with the Council Directive 93/42/EEC. Alpha-Bio Tec complies with EN ISO 13485:2016. Product availability may vary between countries.

Smart Implantology Solutions

Alpha-Bio Tec Ltd.

www.alpha-bio.net