Overdenture Attachments for Implants

Minimal Height. Superior Retention.
Alpha-Loc 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 Alpha-Loc overdenture attachments, offering dentists and laboratories multiple solutions for all case, including unique situations of limited interocclusal space and implant divergence.

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

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

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

1. Stainless Steel Housing
2. Laboratory
3. Extra Soft 0.6 kg
4. Soft 1.2 kg
5. Standard 1.8 kg
6. Strong 2.5 kg
7. Alpha-Loc Attachments

Retentive Caps
Four levels of retentive force, can be used to restore an implant with any required divergence angle (for extreme angles, Alpha-Bio Tec’s UniCover is recommended).
Key Features and Benefits

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 benefits:
- 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

Designed with customizable levels of retention
The various levels of retention of the nylon males can be customized according to the specific clinical cases.

<table>
<thead>
<tr>
<th>Level</th>
<th>Retention (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strong</td>
<td>2.5</td>
</tr>
<tr>
<td>Soft</td>
<td>1.2</td>
</tr>
<tr>
<td>Standard</td>
<td>1.8</td>
</tr>
<tr>
<td>Extra Soft</td>
<td>0.6</td>
</tr>
</tbody>
</table>
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).
### Key Features and Benefits

**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*

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<table>
<thead>
<tr>
<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></td>
<td>6.35 mm</td>
<td>6.35 mm</td>
<td>Ø 7.85 mm</td>
<td>Ø 7.85 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11.5 mm</td>
<td>14.5 mm</td>
<td>7 mm</td>
<td>13 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>21 mm</td>
<td>20 mm</td>
<td>1 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ref. No.**
- 4165
- 4056
- 4055
- 4061
- 4053
- 4052

**Instructions**
- To be used with a contra angle motor
- Fits hexagonal 6.35 mm (¼ inch) or square 4 mm ratchet
- For Manual Use
Workflow

Clinical Steps

1. **After Implantation**

2. **Implants Exposure**

3. **Healing Abutments**

4. **UniBase Placement**

Various healing abutments are used to overcome different soft tissue depth heights. 4.6 mm diameter is recommended.

5. **Attachment Connection**

For attachment height alignment, place the AlphaLoc attachments on top of the implant and the Alpha UniBase. AlphaLoc abutments of various heights and connections can be used to align the heights.
6. Impression Making using AlphaLoc Impression Coping

7. Place the impression coping on the AlphaLoc and UniBase attachments. The impression coping will be picked up in the impression.

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
# Catalog Information

**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>
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</thead>
<tbody>
<tr>
<td>Abutments Ref. No. (provided as single part, separately from the set)</td>
<td>4859</td>
<td>4860</td>
<td>4861</td>
<td>4862</td>
<td>4863</td>
<td>4864</td>
<td>4865</td>
<td>4866</td>
</tr>
<tr>
<td><strong>Kit’s Ref. No.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AlphaLoc Kit:</strong> 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</td>
<td>4867</td>
<td>4868</td>
<td>4869</td>
<td>4870</td>
<td>4871</td>
<td>4872</td>
<td>4873</td>
<td>4874</td>
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**AlphaLoc Male Processing Package**

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

<table>
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<th>4877</th>
<th>4878</th>
<th>4879</th>
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</thead>
<tbody>
<tr>
<td>Retention</td>
<td>Strong (violet)</td>
<td>Standard (clear)</td>
<td>Soft (pink)</td>
<td>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°</th>
<th>30°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>2 mm</td>
<td>1.5 mm</td>
</tr>
<tr>
<td>Ref. No.</td>
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<td>5308</td>
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</table>

**AlphaLoc UniCover**

<table>
<thead>
<tr>
<th>Angle</th>
<th>17°</th>
<th>30°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>2.5 mm</td>
<td>1.5 mm</td>
</tr>
<tr>
<td>Ref. No.</td>
<td>5309</td>
<td>5312</td>
</tr>
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</table>

**AlphaLoc UniCover**

| Ref. No.| 5313 |

**UniBase**

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

**AlphaLoc Laboratory Cap (black)**

<table>
<thead>
<tr>
<th>Content</th>
<th>4 Units</th>
<th>1 Unit</th>
<th>4 Units</th>
<th>4 Units</th>
<th>1 Unit</th>
<th>1 Unit</th>
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<tbody>
<tr>
<td>Ref. No.</td>
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<td>4883</td>
<td>4884</td>
<td>4885</td>
<td>4886</td>
<td>4887</td>
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</tbody>
</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.*

Smart Implantology Solutions

Alpha-Bio Tec Ltd.

www.alpha-bio.net