A.L.P.S.® Clavicle Plating System

The A.L.P.S. Clavicle Plating System is indicated for fixation of fractures, osteotomies and non-unions of the clavicle including osteopenic bone.

CONTRAINDICATIONS
1. Active infection.
2. Patient conditions including blood supply limitations, insufficient quantity or quality of bone.
3. Patients with mental or neurologic conditions who are unwilling or incapable of following postoperative care instructions.
4. Foreign body sensitivity where material sensitivity is suspected, testing is to be completed prior to implantation of the device.

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A.L.P.S.® Clavicle Plating System offers a comprehensive plating solution for surgeons treating clavicle fractures. The system was designed to allow intuitive fit, precision in instrumentation, and systematic efficiency.

References
4. Compared to 316L Electropolished Stainless Steel, Type I Anodized titanium, and machined titanium. Citation: Data on file at Biomet. Test # DVA-107504-DVER. Mechanical testing is not necessarily indicative of clinical performance.
5. F.A.S.T. GRIP Instruments are not intended to bend the shaft of the plate.
THE A.L.P.S. CLAVICLE PLATING SYSTEM OFFERS A COMPREHENSIVE PLATING SOLUTION FOR SURGEONS TREATING CLAVICLE FRACTURES. THE SYSTEM WAS DESIGNED TO ALLOW INTUITIVE FIT, PRECISION IN INSTRUMENTATION, AND SYSTEMATIC EFFICIENCY.
Screws

System accommodates, non-locking, locking as well as multi-directional screws which allow the surgeon to capture comminuted fragments.

These screws are designed to achieve optimal fixation with tapered, triple lead locking, low profile non-locking, and multidirectional screw options:

<table>
<thead>
<tr>
<th>Screws</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7 mm Non-Locking Ti Screw</td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
<tr>
<td>2.7 mm Locking Ti Screw</td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>2.7 mm Multi-Directional CoCr Screw</td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>3.5 mm Non-locking Ti Screw</td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
<tr>
<td>3.5 mm Locking Ti Screw</td>
<td><img src="image5.png" alt="Image" /></td>
</tr>
<tr>
<td>3.5 mm Multi-Directional CoCr Screw</td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
</tbody>
</table>

The classic cobalt chrome multi-directional screws allow for up to a 20° cone of angulation on the 2.7 mm screws, and a up to 25° cone of angulation on the 3.5 mm screws.

**A.L.P.S. Classic Cobalt Chrome**

- **3.5 mm Screw**
- **2.7 mm Screw**

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**Notes:**

- Dogbone reliefs are designed to facilitate bending using F.A.S.T. GRIP™ Instruments in the adjacent locking holes.
- Temporarily stabilization of the fracture through medial and lateral K-wire holes allow the surgeon to save time during the procedure.
- Short drill limits the maximum drill depth to reduce potential for damage to surrounding soft tissue structures.
- System includes a Crego elevator that can act as a drill protector beneath the clavicle.
- Distal superior nodes may be contoured in-situ to optimize anatomic fit.
The anterior, superior, and distal superior plates designed using a bone database.

- Low-profile plates available in both standard and narrow widths to help minimize plate prominence
- Plates designed to be easily contoured and shortened to fit a variety of fracture patterns

### Plates

#### Standard and Narrow Plate Design

<table>
<thead>
<tr>
<th>Plate Family</th>
<th>Width</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Narrow 2.7 mm Plates</td>
<td>8.5 mm</td>
<td>2.5 mm</td>
</tr>
<tr>
<td>Standard 3.5 mm Plates</td>
<td>10 mm</td>
<td>3.5 mm</td>
</tr>
</tbody>
</table>
Precise

Instrumentation designed to allow for appropriate implant selection and to help the surgeon minimize damage to adjacent soft tissue structures.

• Instruments provide precise measurements which allow the surgeon to make appropriate screw selection
• Short drill limits the maximum drill depth to reduce the potential for damage to surrounding soft tissue structures
• System includes a Crego elevator that can act as a drill protector beneath the clavicle

Efficient

All aspects of this system including the tray, implants, and the instruments were designed to maximize efficiency in the O.R.

• The implants and instruments required to perform a procedure are provided in one case for easy handling, storage and transportation, eliminating the need for multiple implant and instrument trays.
• One drill, one driver following plate selection simplifies the procedure for the surgical team
• 18 plates optimally designed to cover fracture patterns and length options similar to those of similar systems offering 30+ implants
• Temporary stabilization of the fracture through medial and lateral K-wire holes allow the surgeon to save time during the procedure
INDICATIONS
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*MATERIALS
Titanium Alloy (Ti-6Al-4V ELI) – Plates & Screws except Multi-directional Screws.
Cobalt Chromium Alloy (Co-Cr-Mo) – Multi-directional Screws only

References
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