Continuous Active Compression

The BME ELITE® Continuous Compression Implants were compared to the following constructs: locking titanium midfoot compression plates, with and without 4.0mm lag screws, and crossing 4.0mm screws. These fixation combinations are commonly used in various arthrodesis sites. Compression measurements were taken using Tekscan® pressure maps placed between bicortical Sawbone® blocks. Measurements were taken before and after repetitive loading of 100 cycles at 2mm displacement.

Constructs using the BME ELITE Implants provided significantly more compression than a locking titanium midfoot compression plate with and without a 4.0mm lag screw and crossing 4.0mm lag screws.

Construct Rigidity

Construct rigidity, shown by the amount of force required to displace the constructs 2mm, was tested using a four-point bending apparatus. Measurements were taken for the first and 100th cycle of repetitive loading.

BME ELITE 4-leg Implants were tested against a leading locking titanium midfoot plate. The graph to the right shows the results.

Torsional Stability

Torsional stability is the amount of force required to torque the constructs 15 degrees. Fixation combinations simulated arthrodesis of the talonavicular joint. Measurements were taken for the first and 100th cycle of repetitive loading.

Two BME ELITE 4-leg Implants in parallel were tested against a locking titanium midfoot compression plate with and without a 4.0mm lag screw. The graph to the right shows the results.

Pre-sterilized, fully disposable system. Ready for use - no heating, freezing or spreading required.

Extra wide bridge

Barbed legs provide secure fixation

High strength, stiffness and rotational stability for high-load applications

Retains compression after repetitive loading
**BME ELITE CONTINUOUS COMPRESSION IMPLANTS**

<table>
<thead>
<tr>
<th>IMPLANT KIT</th>
<th>BRIDGE**</th>
<th>LEGS**</th>
<th>NO. of LEGS</th>
<th>MAX. CLOSURE**</th>
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<tbody>
<tr>
<td>EL-1515S2</td>
<td>15</td>
<td>15</td>
<td>2</td>
<td>9.1</td>
</tr>
<tr>
<td>EL-1818S2</td>
<td>18</td>
<td>18</td>
<td>2</td>
<td>10.4</td>
</tr>
<tr>
<td>EL-2020S2</td>
<td>20</td>
<td>20</td>
<td>2</td>
<td>9.5</td>
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<td>EL-2520S4</td>
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<td>20</td>
<td>4</td>
<td>7.1</td>
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<tr>
<td>EL-3020S4</td>
<td>30</td>
<td>20</td>
<td>4</td>
<td>7.6</td>
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</tbody>
</table>

**SIZES IN MILLIMETERS**

**DK-300 Drill Kit**
- 0.062 in. K-wires (4)
- 3.0mm Drill Bit
- Depth Gauge
- Tamp
- Pull Pins (4)

**CORRESPONDING DRILL/TEMPLATE KITS**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DRILL BIT SIZE</th>
<th>DRILLING TEMPLATES</th>
<th>LOCATOR PINS</th>
<th>TAMP</th>
<th>K-WIRES</th>
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</thead>
<tbody>
<tr>
<td>DK-300</td>
<td>3.0mm</td>
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<td>4xLP-300</td>
<td>EL-TAMP</td>
<td>0.062 in.</td>
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<td>EL-DTS</td>
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<td>15, 18, 20, 25, 30</td>
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