CONTINUOUS COMPRESSION IMPLANTS

Designed with Nitinol to provide continuous, active compression throughout the healing process
NITINOL: A MATERIAL THAT MATTERS

Nitinol, a “shape memory” metal, continuously and dynamically keeps bone compressed together during the healing process

Key Properties of Nitinol
• Alloy of ~50/50 nickel/titanium
• Superelastic material
• Corrosion resistant
• Biocompatible

CONTINUOUS ACTIVE COMPRESSION*

Continuous Compression Implants enable a stable construct and reduce bone resorption throughout the healing process

MORE COMPRESSION IN MORE PLACES

Compression for fracture fixation of the core and extremity regions.

SPEEDTITAN Implant transverse fracture of the clavicle

BME ELITE Implant fracture of the proximal humerus

BME ELITE and SPEEDTITAN Implants combined use in fractures of the distal tibia

Demonstrated superior compression even after 100 stress cycles

* Bench test results may not necessarily be indicative of clinical performance
† Similar rigidity and torsional stability as a Locking Ti Midfoot Compression plate with 4.0 mm Lag Screw VER-132-09
‡ Midfoot plate Compression Map Test #: TR-132-03-15131

Blue represents indicated areas. Please refer to the SPEEDTITAN and BME ELITE implant IFU for a full list of indications and contraindications.
### BME ELITE IMPLANT

**Indications for Clinical Use**

- Fracture and osteotomy fixation and joint arthrodesis of the hand and foot.
- Fixation of proximal tibial metaphysis osteotomy.
- Hand and foot bone fragment and osteotomy fixation and joint arthrodesis.
- Fixation of small bone fragments (i.e. small fragments of bone which are not comminuted to the extent to preclude staple placement). These fragments may be located in long bones such as femur, fibula and tibia in the lower extremities; the humerus, ulna or radius in the upper extremities; the clavicle and in flat bone such as pelvis and scapula.

### Clinical Examples

- **Hand Surgery**: intracarpal and interphalangeal arthrodesis, carpal, metacarpal and phalanges fracture or osteotomy.
- **Foot Surgery**: bunionectomy, tibiotalar, Lisfranc's, calcaneocuboid, and talonavicular arthrodesis, hind, mid or forefoot bone fracture or osteotomy fixation.
- **General Skeletal Surgery**: bone fragment retention or adjunct fracture, osteotomy or arthrodesis fixation in femur, fibula, tibia, humerus, ulna, radius, clavicle, pelvis, and scapula.

### Table

**BME ELITE IMPLANT**

<table>
<thead>
<tr>
<th>Implants</th>
<th>Bridge*</th>
<th>Legs*</th>
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</thead>
<tbody>
<tr>
<td>EL-1515S2</td>
<td>15</td>
<td>15</td>
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<tr>
<td>EL-1815S2</td>
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<tr>
<td>EL-2020S2</td>
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<td>EL-2520S4</td>
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<tr>
<td>EL-3020S4</td>
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</tbody>
</table>

**SPEEDTITAN IMPLANT**

**Indications for Clinical Use**

- Hand and foot bone fragment and osteotomy fixation and joint arthrodesis.
- Fixation of small bone fragments (i.e. small fragments of bone which are not comminuted to the extent to preclude staple placement). These fragments may be located in long bones such as femur, fibula and tibia in the lower extremities; the humerus, ulna or radius in the upper extremities; the clavicle and in flat bone such as pelvis and scapula.

### Table

**SPEEDTITAN IMPLANT**

<table>
<thead>
<tr>
<th>Implants</th>
<th>Bridge A*</th>
<th>Legs B*</th>
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</thead>
<tbody>
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<td>SE-1515S2</td>
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<tr>
<td>SE-1815S2</td>
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<td>SE-2015S2</td>
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<tr>
<td>SE-2520S2</td>
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</tbody>
</table>

**Foot Surgery**: bunionectomy, tibiotalar, Lisfranc's, calcaneocuboid, and talonavicular arthrodesis, hind, mid or forefoot bone fracture or osteotomy fixation.

**Clinical Examples**

- **Hand Surgery**: intracarpal and interphalangeal arthrodesis, carpal, metacarpal and phalanges fracture or osteotomy.
- **Foot Surgery**: bunionectomy, tibiotalar, Lisfranc's, calcaneocuboid, and talonavicular arthrodesis, hind, mid or forefoot bone fracture or osteotomy fixation.
- **General Skeletal Surgery**: bone fragment retention or adjunct fracture, osteotomy or arthrodesis fixation in femur, fibula, tibia, humerus, ulna, radius, clavicle, pelvis, and scapula.

### Package Information

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