Nitinex

NITINOL MEMORY COMPRESSION IMPLANTS

A stronger staple –
Low profile, enhanced compression
The Nitinex™ Compression Memory System offers a broad range of implant sizes to match patient anatomy while maintaining a low profile with flat implant bridge.

**SYSTEM ADVANTAGES**

- Low profile implant bridge designed to reduce soft tissue irritation in hand and foot
- A stronger, more durable compression staple
- Implant caddy offers surgeon visualization of implant during implant selection
- Complete range of implant sizes for hand and foot procedures
- Faster OR times, no instrumentation waste or disposal costs
- Calibrated stainless steel instrumentation offers surgeon greater comfort and control intraoperatively.
- Color coded instrumentation available for easier instrument identification
SURGICAL TECHNIQUE

1. Reduce the fracture or osteotomy. Center the drill guide over the site to determine staple size. Drill the first staple leg hole with a 2mm drill for sizes 8mm-12mm, 2.5mm for 15mm-18mm, 3mm drill for sizes 20mm-25mm to the depth marks on the bit to match staple leg length.

   OPTIONAL: Measure hole with the depth gauge provided.

2. Insert a dowel pin into the first drilled hole. Drill the second hole and place a dowel pin in the second hole. Remove drill guide.

3. Load staple into the staple spreader/forcep tool. Staple is shipped in a compressed state. With the spreader tool, open the legs to the desired width and angle.

4. Remove the dowel pins and insert the staple legs into the pre-drilled holes until the staple is fully seated to the osteotomy site.

5. Remove spreader and tap staple into place with the tamper and complete the surgical procedure.

Sizing by surgical procedure (approx.)

**FOREFOOT**

1. Akin
   - Staple Size: 8mm/10mm
2. MP Arthrodesis
   - Staple Size: 15mm/18mm
3. Bunion
   - Staple Size: 10mm/12mm

**MIDFOOT**

4. Lapidus
   - Opening/Closing Wedge: 15mm/18mm/20mm
   - Base Wedge: 15mm/18mm/20mm
5. Lisfranc Arthrodesis
   - Staple Size: 15mm/18mm
6. Navicular Cuneiform Fusion
   - Staple Size: 15mm/18mm

**REARFOOT**

7. Talar/Navicular Arthrodesis
   - Staple Size: 20mm/25mm
8. Calcaneal/Cuboid Arthrodesis
   - Staple Size: 20mm/25mm
9. Tibio – Tarsal Arthrodesis (Ankle Fusion) Subtalar Arthrodesis
   - Staple Size: 20mm/25mm

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**Implant & Drill Sizes**

**2.0mm**
- ST-080808
- ST-081010
- ST-101010
- ST-101513
- ST-101715
- ST-121010
- ST-121513
- ST-121715
- ST-121916

**2.5mm**
- ST-151212
- ST-151515
- ST-181212
- ST-181414
- ST-181715

**3.0mm**
- ST-201616
- ST-202020
- ST-251616
- ST-252222

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Inquire about these other precision engineered extremity solutions from Vilex:

- Titanex™ Cannulated Screws
- 1st and Lesser MPJ Implants – Base or Met-Head
- HammerFUZE™ Hammertoe Compression System
- 1st MPJ Fusion Plate

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