The Non-Sterile Sniper Staple System provides surgeons additional fixation options for reconstruction procedures for the bones of the foot and ankle. The consolidated set of dynamic compression implants and associated instrumentation offers various sizes and quantities of staple implants from 8-20mm bridge widths.

- Low profile, high-strength, super elastic nitinol compression staple implants
- Staple legs designed with dual-barbs or ridges intended to mitigate migration without increasing difficulty of revision
- Reduced internal staple corner radius intended to lower stress and potential implant fractures
- Simple intra-operative reloading capabilities enabled by a quick-release staple spreader
- All system instrumentation and implants are contained in a small autoclavable tray

For more information and detailed surgical techniques, visit www.trilliantsurgical.com
Sniper Non-Sterile Staple System

**SURGICAL TECHNIQUE**

**STEP 1:** Place a bone clamp to create the necessary compression across the osteotomy or fusion site.

**STEP 2:** Place desired drill guide across the osteotomy or fusion site.

**STEP 3:** Drill the first hole to the correct depth in the bone using the appropriate sized pilot drill. Toggle the proximal shaft of the snap-off pilot drill to remove the drill shaft and create a post. Insert supplied locating pin if the 2.0mm or 2.5mm pilot drill was used.

**STEP 4:** Pivot drill guide if necessary.

**STEP 5:** Drill the second hole in the bone by inserting the pilot drill into the adjacent drill guide hole.

**STEP 6:** Remove the drill guide and locating pin.

**STEP 7:** Select the staple with bridge width corresponding to the drill guide used.

**STEP 8:** Use the appropriate staple spreader to spread the staple apart to a parallel leg position. Maintain the staple position by using the locking nut on the staple spreader.

**STEP 9:** Insert the staple legs into the pre-drilled pilot holes until the dispenser abuts the osteotomy or fusion site.

**STEP 10:** Release locking nut mechanism on the staple spreader to release the staple and compress the osteotomy.

**STEP 11:** Using the tamp, push on the staple bridge until final, flush staple placement is achieved.

**STAPLE REMOVAL (IF NECESSARY)**

**STEP 1:** Locate staple with intra-operative imaging.

**STEP 2:** Palpate the staple and remove surrounding soft tissue to gain maximum exposure.

**STEP 3:** Use forceps or pliers to remove by pulling on the staple bridge.

<table>
<thead>
<tr>
<th>Staple Size*</th>
<th>8 x 8mm</th>
<th>10 x 10mm</th>
<th>12 x 12mm</th>
<th>15 x 12mm</th>
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<tbody>
<tr>
<td>Wire Size</td>
<td>1.6 x 1.3mm</td>
<td>1.6 x 1.3mm</td>
<td>1.9 x 1.5mm</td>
<td>1.9 x 1.5mm</td>
</tr>
<tr>
<td>Part Number</td>
<td>500-08-101</td>
<td>500-10-101</td>
<td>500-12-101</td>
<td>500-15-102</td>
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</table>

*Bridge Length x Leg Length

<table>
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<tr>
<th>Staple Size*</th>
<th>15 x 15mm</th>
<th>18 x 15mm</th>
<th>18 x 18mm</th>
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<tbody>
<tr>
<td>Wire Size</td>
<td>1.9 x 1.5mm</td>
<td>1.9 x 1.5mm</td>
<td>2.4 x 1.7mm</td>
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<table>
<thead>
<tr>
<th>Staple Size*</th>
<th>20 x 20mm</th>
<th>20 x 20mm HS (High Strength)</th>
<th>25 x 20mm</th>
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<tr>
<td>Wire Size</td>
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<td>2.8 x 1.8mm</td>
<td>2.8 x 1.8mm</td>
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<tr>
<td>Part Number</td>
<td>500-20-101</td>
<td>500-20-201</td>
<td>500-25-101</td>
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Also included in sterile kits

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Trilliant products are made in the USA. FDA cleared 510(k) K172405

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