



DynaNite™ Nitinol Staple for Akin Osteotomy

Surgical Technique



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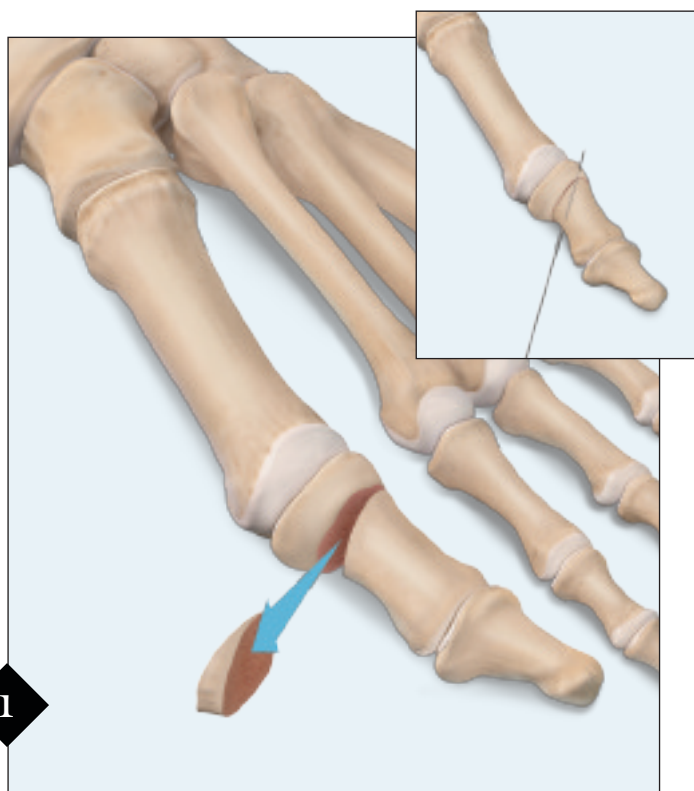
DynaNite™ Nitinol Staple for Akin Osteotomy

The DynaNite staple provides low-profile compressive fixation specifically engineered for Akin osteotomies. The DynaNite staple features:

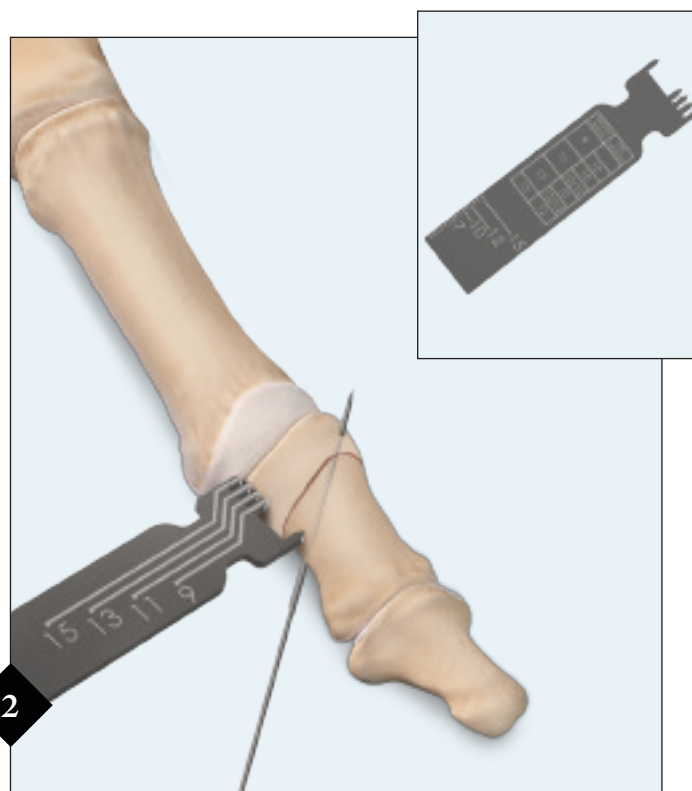
DYNANITE™
continuous *compression*

- A low-profile 1.0-mm staple bridge height – ideal for forefoot procedures
- Greater compression than competitor staples in midfoot and hindfoot sizes*
- Fourteen different sizes offered in a combination of bridge widths and leg lengths
- The DynaNite staple features easy-to-use instrumentation, resulting in quick and accurate insertion
- Staple is delivered pre-loaded on the DynaNite delivery device; the staple is also reloadable should it be required
- Trocar-tipped alignment pins provide better bite than traditional flat-bottom alignment pins and are particularly useful for fluoroscopy purposes
- Ergonomically-designed DynaNite delivery device allows the surgeon to control the opening of the staple legs
- Drill guide “windows” facilitate easy location of staple legs in drilled holes
- Sold in single-use disposable kits

*Data on file



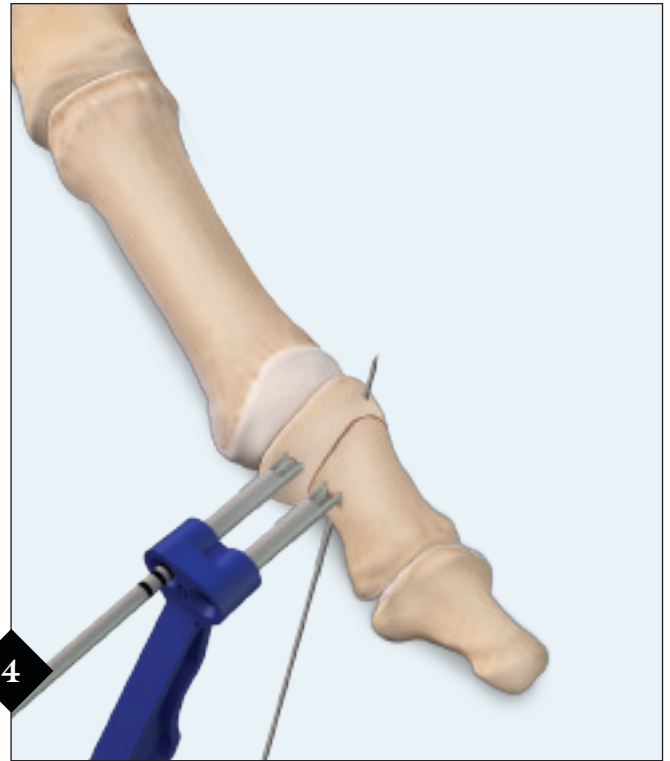
1 Expose the surgical site and create a closing wedge osteotomy while preserving the lateral cortex hinge. The stability of the osteotomy is enhanced by leaving the lateral cortex intact. **Option:** Insert a guidewire obliquely to reduce the osteotomy.



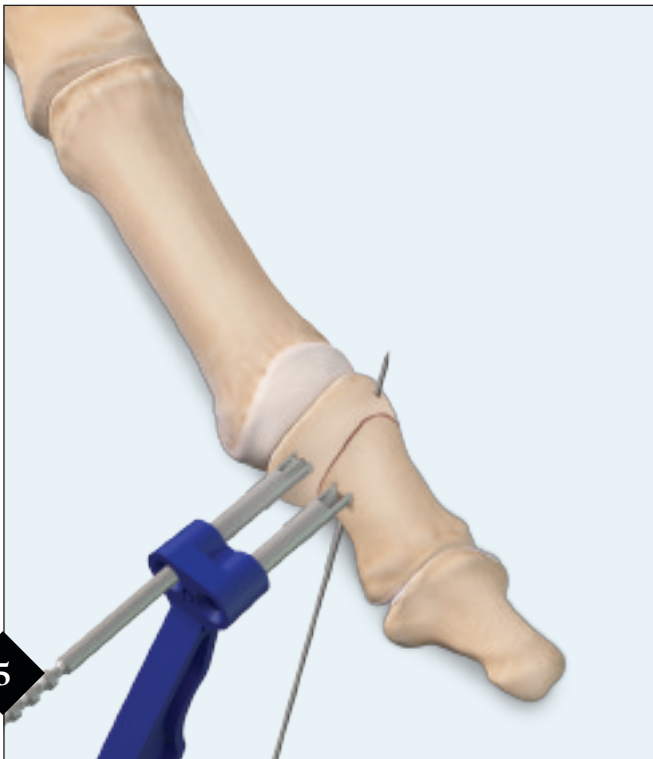
2 Use the DynaNite Staple sizing guide to determine the correct DynaNite Staple size. Open the corresponding DynaNite Staple kit.



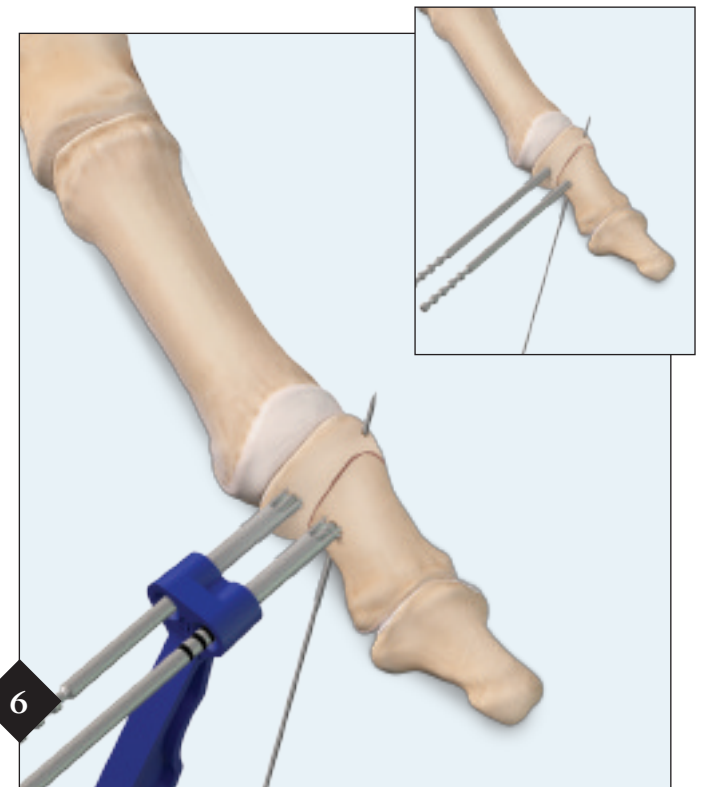
3 Remove the DynaNite™ delivery device (with preloaded DynaNite Staple) from the sterilized kit. The DynaNite Staple legs are in tension against the delivery device, but are not yet fully opened to parallel.



4 Center the DynaNite drill guide across the osteotomy site. Use the DynaNite drill bit to drill the first hole in the proximal portion of the osteotomy site. *Note: The drill bit is laser marked to help drill to the correct depth.*



5 Insert a DynaNite alignment pin through the drill guide into the first drilled hole.

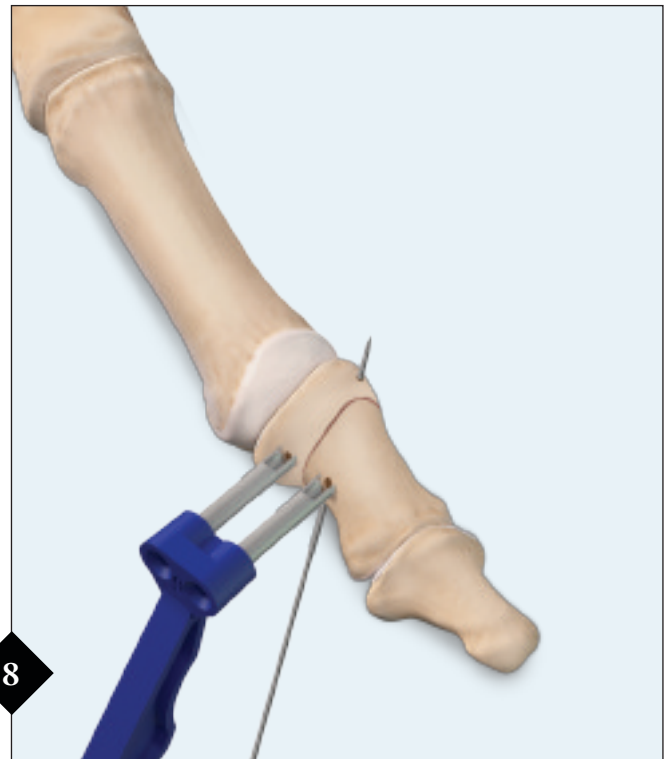


6 Drill the second hole on the distal portion of the fusion site using the drill bit and drill guide. If desired, insert the second alignment pin. Remove the drill guide, leaving the alignment pins in place to help identify drill hole locations.



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Turn the knob on the DynaNite delivery device clockwise until the staple legs are open to a width equal to the pre-drilled holes. *Note: The staple legs should be in a parallel, or near parallel, position prior to insertion to facilitate compression of osteotomy once staple is inserted.*



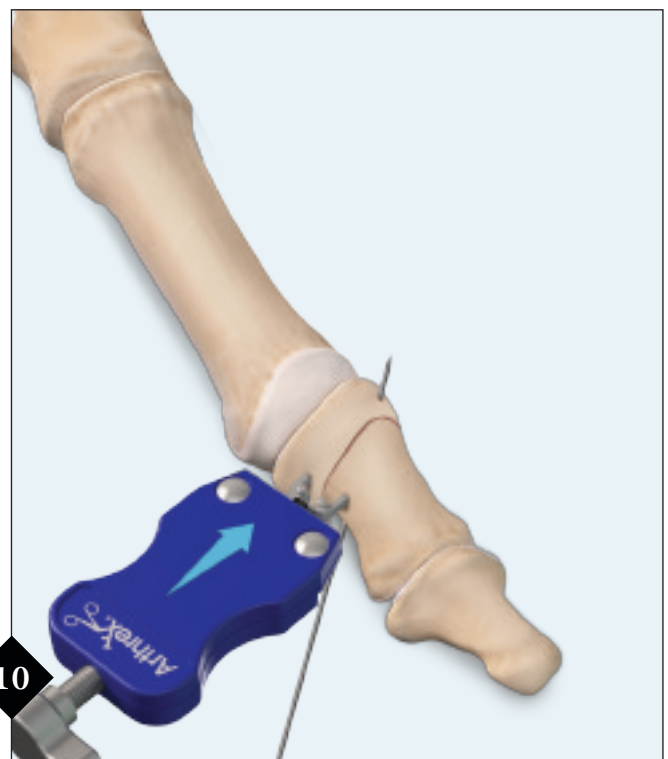
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Remove the alignment pin(s) from the drilled hole(s). Hold the drill guide against the cortical surface in order to maintain the location of the drill holes.



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Use the windows in the drill guide to help position the tips of the staple legs into the drilled holes. Once the surgeon is satisfied with the position of the staple, the drill guide can be removed.



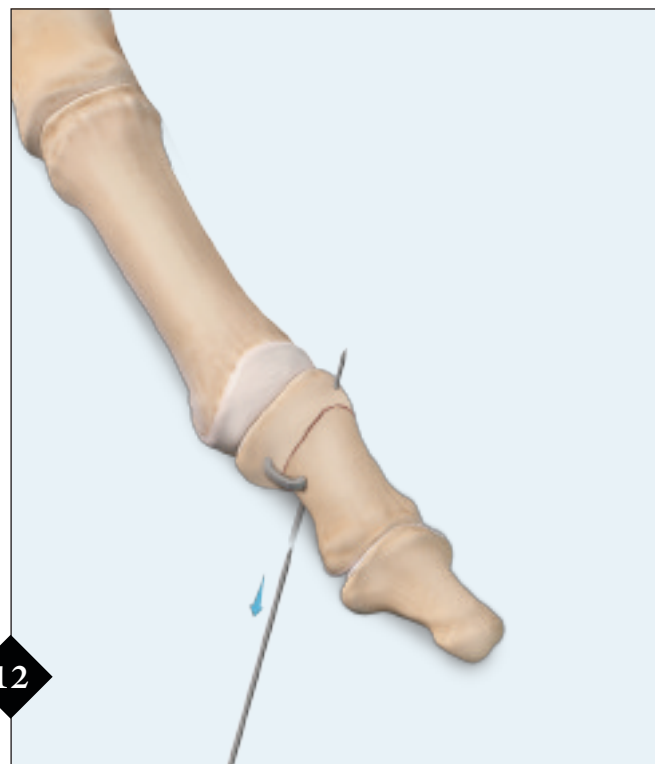
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Using the delivery device, advance the staple legs into the drill holes until the device is seated against the bone. A mallet can be used if necessary.

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Once the DynaNite™ staple is inserted and seated against the bone, turn the delivery device knob counter clockwise until the staple is no longer under tension with the delivery device. Slide the delivery device away from the staple.



Remove the guidewire if one has been used in the procedure.



Use the DynaNite tamp to fully seat the staple against the cortical surface.



The low-profile DynaNite staple is seated flush to the cortical surface.

Ordering Information

DynaNite™ Nitinol Staple, 9 mm x 7 mm	AR-8717-0907
DynaNite Nitinol Staple with Instrumentation, 9 mm x 7 mm	AR-8717DS-0907
DynaNite Nitinol Staple, 9 mm x 10 mm	AR-8717-0910
DynaNite Nitinol Staple with Instrumentation, 9 mm x 10 mm	AR-8717DS-0910
DynaNite Nitinol Staple, 11 mm x 10 mm	AR-8717-1110
DynaNite Nitinol Staple with Instrumentation, 11 mm x 10 mm	AR-8717DS-1110
DynaNite Nitinol Staple, 11 mm x 15/12 mm	AR-8717-111512
DynaNite Nitinol Staple with Instrumentation, 11 mm x 15/12 mm	AR-8717DS-111512
DynaNite Nitinol Staple, 13 mm x 10 mm	AR-8718-1310
DynaNite Nitinol Staple with Instrumentation, 13 mm x 10 mm	AR-8718DS-1310
DynaNite Nitinol Staple, 13 mm x 15/12 mm	AR-8718-131512
DynaNite Nitinol Staple with Instrumentation, 13 mm x 15/12 mm	AR-8718DS-131512
DynaNite Nitinol Staple, 15 mm x 12 mm	AR-8718-1512
DynaNite Nitinol Staple with Instrumentation, 15 mm x 12 mm	AR-8718DS-1512
DynaNite Nitinol Staple, 15 mm x 15 mm	AR-8719-1515
DynaNite Nitinol Staple with Instrumentation, 15 mm x 15 mm	AR-8719DS-1515
DynaNite Nitinol Staple, 18 mm x 15 mm	AR-8719-1815
DynaNite Nitinol Staple with Instrumentation, 18 mm x 15 mm	AR-8719DS-1815
DynaNite Nitinol Staple, 18 mm x 18 mm	AR-8719-1818
DynaNite Nitinol Staple with Instrumentation, 18 mm x 18 mm	AR-8719DS-1818
DynaNite Nitinol Staple, 18 mm x 18/15 mm	AR-8719-181815
DynaNite Nitinol Staple with Instrumentation, 18 mm x 18/15 mm	AR-8719DS-181815
DynaNite Nitinol Staple, 20 mm x 15 mm	AR-8719-2015
DynaNite Nitinol Staple with Instrumentation, 20 mm x 15 mm	AR-8719DS-2015
DynaNite Nitinol Staple, 20 mm x 20 mm	AR-8719-2020
DynaNite Nitinol Staple with Instrumentation, 20 mm x 20 mm	AR-8719DS-2020
DynaNite Nitinol Staple, 25 mm x 20 mm	AR-8719-2520
DynaNite Nitinol Staple with Instrumentation, 25 mm x 20 mm	AR-8719DS-2520



This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's Directions For Use. Postoperative management is patient specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.

View U.S. Patent information at www.arthrex.com/corporate/virtual-patent-marking

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