



# SPEEDTRIAD™

IMPLANT

## DORSAL TECHNIQUE OVERVIEW

1



Expose the distal first metatarsal head and perform a medial exostectomy. Perform the osteotomy with the angle of the osteotomy according to surgeon preference and shift the metatarsal head laterally until the desired correction is achieved. Hold the osteotomy reduction with a temporary 0.045" K-wire. **NOTE:** The K-wire needs to be inserted in such a way so that it does not interfere with the fixation. In addition, shaving a small amount of dorsal bone off the metatarsal head may be necessary to properly seat the implant.

2



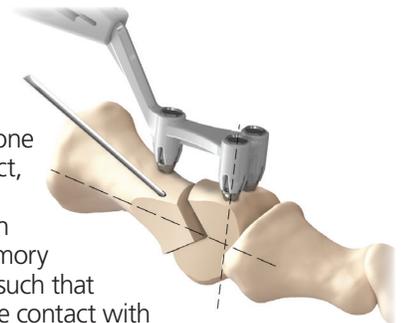
Determine the correct implant size and shape by using the BME SPEEDTRIAD™ Implant Sizing Guide (SG-2). The single leg of the implant will be placed proximally and the dual legs distally. If desired, use a sterile marker through the holes of the Sizing Guide to mark the positions of the drill holes. **NOTE:** The implant is available with centralized legs as well as left or right offset distal legs for use on the left or right foot, respectively. Greater correction may be obtained with implants that have offset legs.

3



Open the chosen Implant Kit and its corresponding Drill Kit (DK-200T). Connect the Drill Guide Tip, located in the Implant Kit, to the Drill Guide Handle located in the Drill Kit.

4



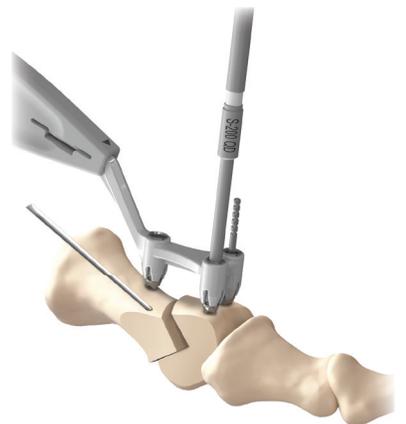
While ensuring that the bone segments are in full contact, place the Drill Guide Assembly across the fusion site. The SPEEDTRIAD Memory Implant should be placed such that the distal legs do not make contact with the apex of the osteotomy. **NOTE:** If an offset implant is used, it is important to ensure that the implant is inserted perpendicular to the axis of the metatarsal head to prevent angulation of the distal implant legs out of the head. All three prongs of the Drill Guide should be in contact with bone at all times while drilling.

5



Drill the first hole on the distal side using the Drill Bit provided in the Drill Kit until the positive stop is reached.

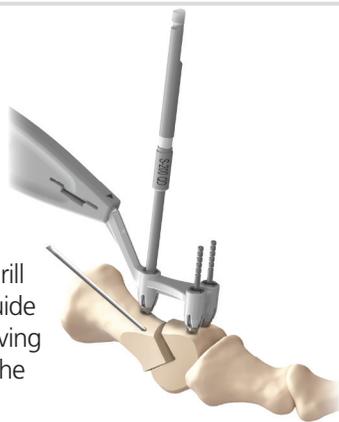
6



Insert a Pull Pin into the first distal hole and drill the second distal hole.

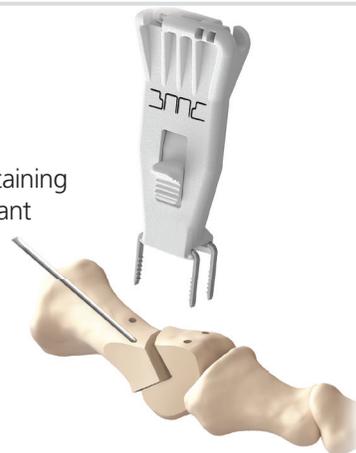
# 7

Insert a Pull Pin into the second distal hole, and while ensuring that the bone segments are in full contact, drill the proximal hole. The Drill Guide Assembly can be removed leaving the Pull Pins in place to mark the position of the drill holes.



# 8

Remove the Insertion Tool containing the SPEEDTRIAD Memory Implant from the implant package. Remove the Pull Pins from the pre-drilled holes and align the tips of the legs of the SPEEDTRIAD Implant parallel with the drill holes.



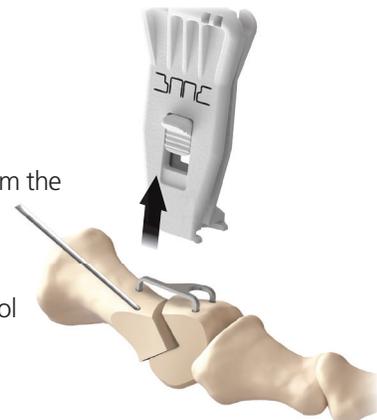
# 9

Insert the SPEEDTRIAD Memory Implant as far as possible into the pre-drilled holes. **NOTE:** To ensure proper implant placement, fluoroscopy may be used prior to releasing the implant.



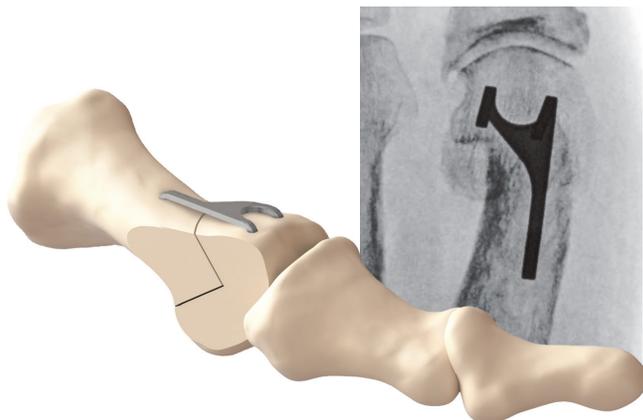
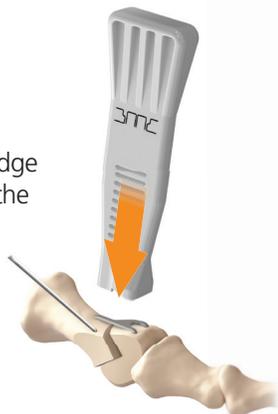
# 10

Pull the slider button away from the implant to release the implant from the Insertion Tool. **NOTE:** After pulling the slider button, move the Insertion Tool proximally to aid in release.



# 11

Align the supplied Tamp with the bridge of the implant, and while stabilizing the metatarsal head, use the Tamp as needed to completely seat the implant. Remove the proximal medial overhanging bone, remove the provisional K-wire and close using established technique.



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The above steps are an overview of the surgical technique. Complete information regarding indications, contra-indications, warnings, care and caution can be found in the Instructions For Use.

**REMOVAL:** 1. Expose the site and the bridge of the implant. 2. Using forceps, grasp the center of the implant and remove. If the implant is recessed, then use an elevator to lift the implant bridge and then use forceps to remove the implant. If solidly connected, straight implants can be removed by cutting the center of the bridge of the implant and removing the remnants with an elevator.



**Manufactured or Distributed By:**

Synthes USA, LLC  
1101 Synthes Avenue  
Monument, CO 80132

BioMedical Enterprises, Inc.  
14785 Omicron Dr., Suite 205  
San Antonio, TX 78245

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