

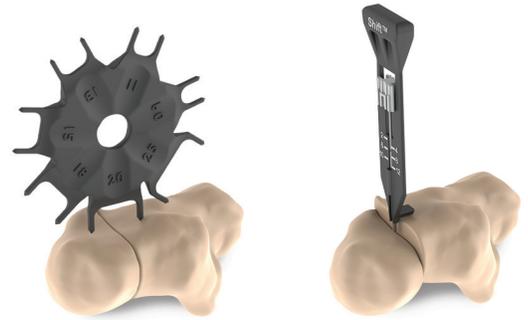


# SPEEDSHIFT™

IMPLANT  
TECHNIQUE OVERVIEW

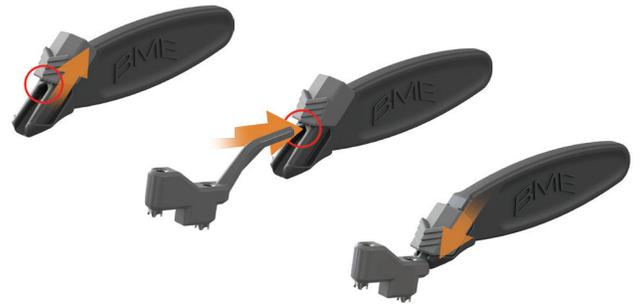
# 1

Create the osteotomy and measure across the osteotomy site using the BME® Continuous Compression Implant Sizing Guide (SG-1) to determine the width of the implant. After obtaining the desired correction, provisionally fixate the osteotomy with a K-wire. Place the extension of the SPEEDSHIFT™ Implant Offset Sizing Tool (OT-1) on the proximal shelf and slide the pin down to determine the amount of offset required.



# 2

Open the chosen Implant Kit and its corresponding Drill Kit (DK-265-S). Slide the cover on the Drill Guide Handle (located in the Drill Kit) upwards until the triangular opening at the top of the slot is visible. Slide the tip of the stem of the Drill Guide Tip (located in the Implant Kit) into the top portion of the slot so that the white arrow enters the triangular opening. Insert completely. Slide the cover down completely to finish the assembly.



# 3

While ensuring full reduction, place the Drill Guide Assembly across the fusion site with both prongs touching bone. Drill the first hole using the Drill Bit provided in the Drill Kit. Although a positive stop is not provided, initial resistance may be felt at 22mm. Take care not to drill beyond the far cortex.

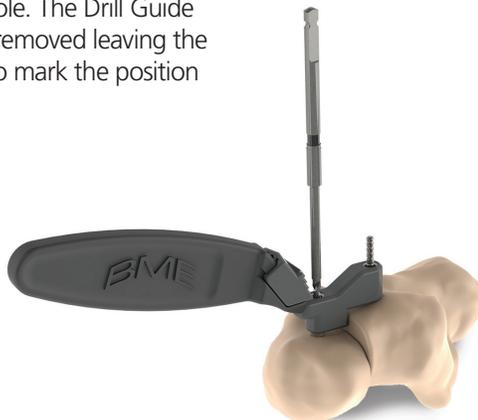
**NOTE:** For calcaneal osteotomies, the use of a second implant should be anticipated and taken into consideration when determining the placement of the first implant. The implants should be positioned approximately 1cm apart.



# 4

Insert a Pull Pin into the first hole and, while ensuring full reduction, repeat step 3 to create the second hole. Insert another Pull Pin into the second hole. The Drill Guide

Assembly can be removed leaving the Pull Pins in place to mark the position of the drill holes.



# 5

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



# 6

Insert the SPEEDSHIFT 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.



# 7

Press the distal third of the central button with thumb while simultaneously twisting the insertion tool until disengagement has been verified.

Additional implant disengagement options:

- Press button with thumb to release.
- Twist Insertion Tool in either direction to release.



# 8

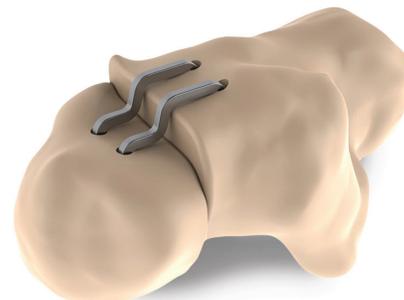
Align the supplied Tamp with the bridge of the implant. Use the Tamp as needed to completely seat the implant.



# 9

Repeat steps 1-8 for each additional implant used.

**TIP:** If implants are placed at 90-degrees to each other, stagger them to ensure unobstructed insertion. If a second implant is placed with the bridge in close proximity to another, insert the implant with the open side facing the first implant. This allows unobstructed release of the Implant from the Insertion Tool.



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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.



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