



# BME ELITE®

## STRAIGHT IMPLANT TECHNIQUE OVERVIEW

# 1

Expose, prepare and reduce the fusion site. If necessary, use a K-wire located in the DK-300 Drill Kit for temporary fixation.

# 2

Determine the correct implant bridge size and configuration using the BME ELITE® Drilling Templates located in the BME ELITE Straight Template Kit (EL-DTS).

**Note:** Leg length will be selected in Step 6 using the BME Elite Depth Gauge.



# 3

While ensuring that both bones are in full contact, place the chosen Drilling Template across the fusion site. All prongs of the Drilling Template should be in contact with bone, which may require contouring of the bone surface to properly seat the Drilling Template.

**Note:** Accurate positioning of the Drilling Template can be accomplished by driving K-wires into the drill tubes and verifying placement with fluoroscopy.

# 4

Drill the first hole through the far cortex or until the positive stop, which corresponds to 27 mm, is reached.

**Note:** For reference, the bottom of the black laser band on the cutting flutes corresponds to 17 mm drilling depth when it reaches the top of the Drilling Template. The top of the band corresponds to 22 mm.



# 5

Insert a Pull Pin into the first hole and repeat Step 4 to create each additional hole.

**Note:** The Drilling Template can be removed leaving the Pull Pins in place to mark the position of the drill holes.



**6** Remove the Drilling Template and Pull Pins and use the BME ELITE Depth Gauge located in the DK-300 Drill Kit to determine the depth of the drill holes and to select the appropriate implant leg length. For bicortical drilling, use the hook on the pin of the Depth Gauge to engage the opposite face of the bones and determine the depth. For monocortical drilling, insert the pin as far into the hole as possible and add 1 mm to the depth reading obtained.\*

**Note: The Depth Gauge is accurate to within +/- 1 mm.**



**7** Remove the Insertion Tool containing the selected ELITE Memory Implant from the implant package and align the tips of the legs of the implant parallel with the drill holes.



**8** Insert the BME ELITE Memory Implant as far as possible into the predrilled holes.

**Note: To ensure proper implant placement, fluoroscopy may be used prior to releasing the implant.**



**9** Pull and hold the slider button away from the implant to release the implant from the Insertion Tool.

**Note: Ensure that the prongs of the Insertion Tool have disengaged completely from the implant prior to removing the Insertion Tool. This should prevent accidental lifting of the implant from the surgical site.**



**10** Align the Tamp with the bridge of the implant and use as needed to completely seat the implant.



**11** Repeat steps 2-10 for each additional implant used.

**Note: If implants are placed at 90-degrees to each other, stagger them to ensure unobstructed insertion.**



**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.

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

\*Depth measurement not required for current Elite Straight sizes.

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