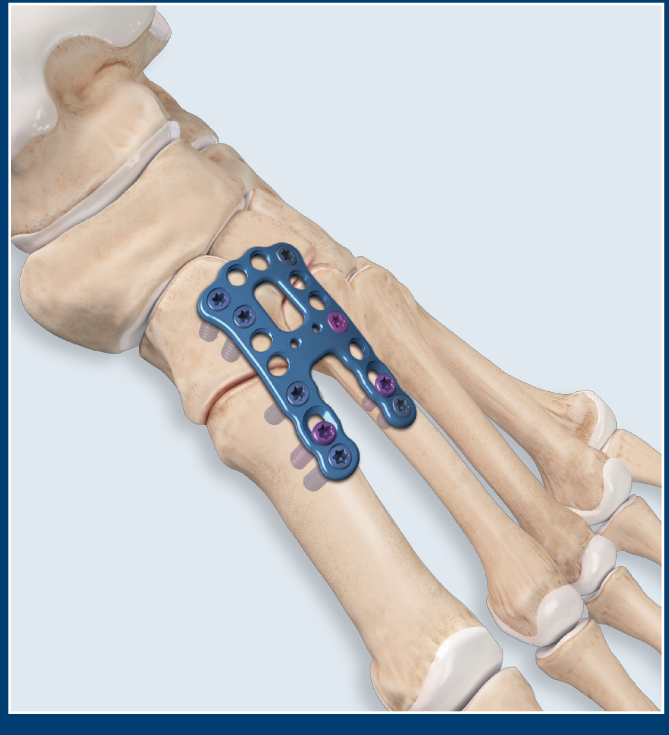
Arthrex®

Dorsal Midfoot Fusion Plates

Surgical Technique



Dorsal Midfoot Fusion Plates

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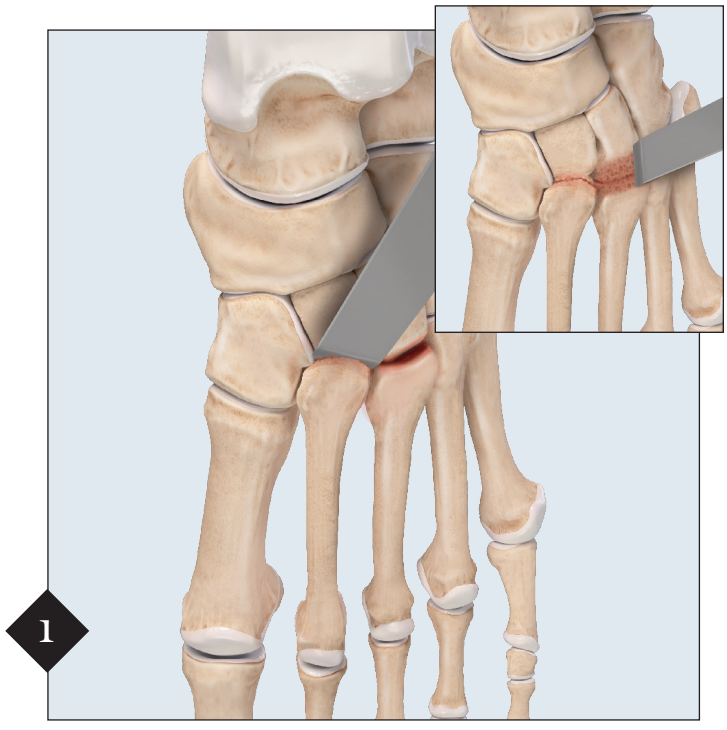
The new Dorsal Midfoot Fusion Plates were designed to offer a solution for multi-joint fusions in the midfoot for either TMT 1, 2 or TMT 2, 3. The low-profile design of the plate, just 1.5 mm thick, allows it to sit flush on the midfoot. The plates come in 3 different sizes and can be shaped to fit each patient's anatomy.

- 3.0 mm or 3.0 mm hybrid locking, VAL, and nonlocking screw options
- Oblong compression holes
- Small, medium, and large sizes

Ordering Information

Dorsal Midfoot Fusion Plate, 3 mm, small	AR-8952DFS
Dorsal Midfoot Fusion Plate, 3 mm, medium	AR-8952DFM
Dorsal Midfoot Fusion Plate, 3 mm, large	AR-8952DFL

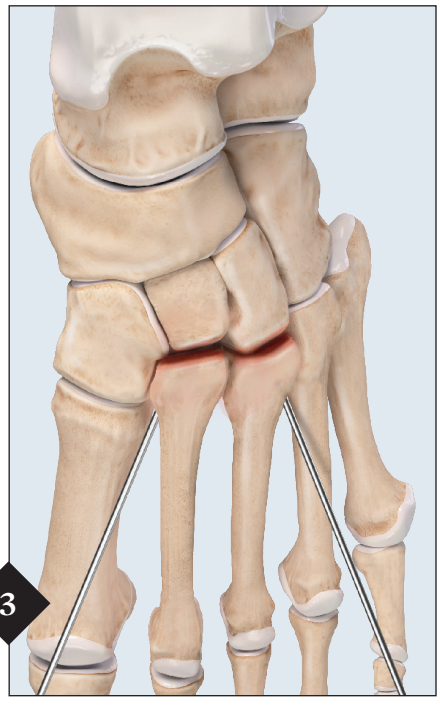


1

Prepare the 1st and 2nd or 2nd and 3rd TMT joints. It is recommended once the joints are exposed that an osteotome is used to resect a small portion of the dorsal surfaces to obtain a flat surface for the plate to sit flush. The mini joint distractor can be used for better exposure of the joints.

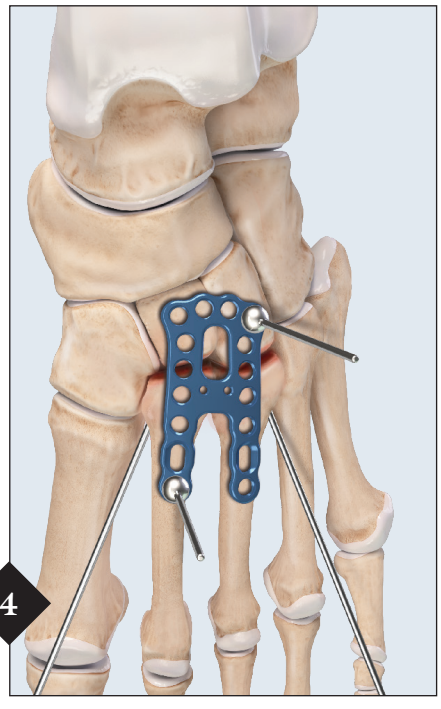
2

The 2nd and 3rd TMT joints have been exposed and the cartilage has been resected.



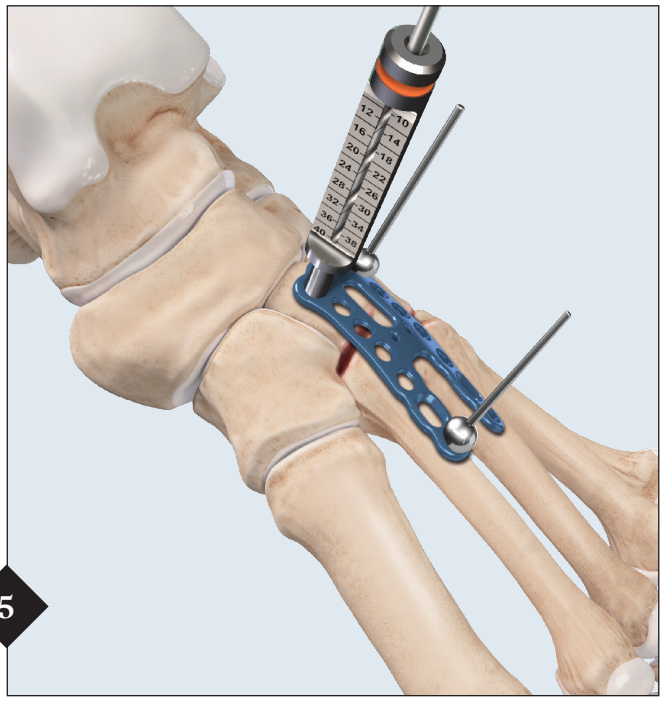
3

The joints are then reduced. The mini joint distractor can be used for compression of the joints prior to the placement of temporary fixation. Guidewires can be placed across the joints to temporarily fixate the bones while placing the plate.



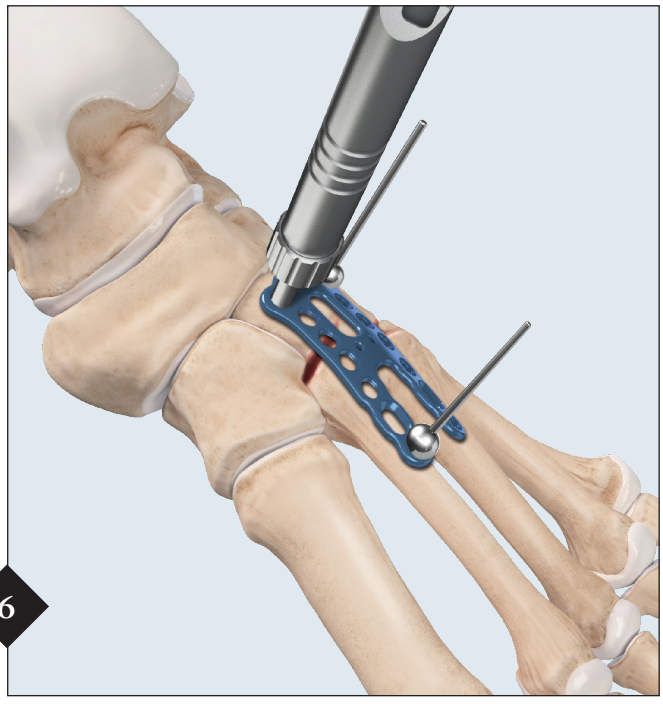
4

Place the plate in the desired position with BB-Tak pins. Guidewires can be removed once the plate is in position. Bend the plate as needed using plate benders. Check placement of the plate on C-arm prior to placing any screws.



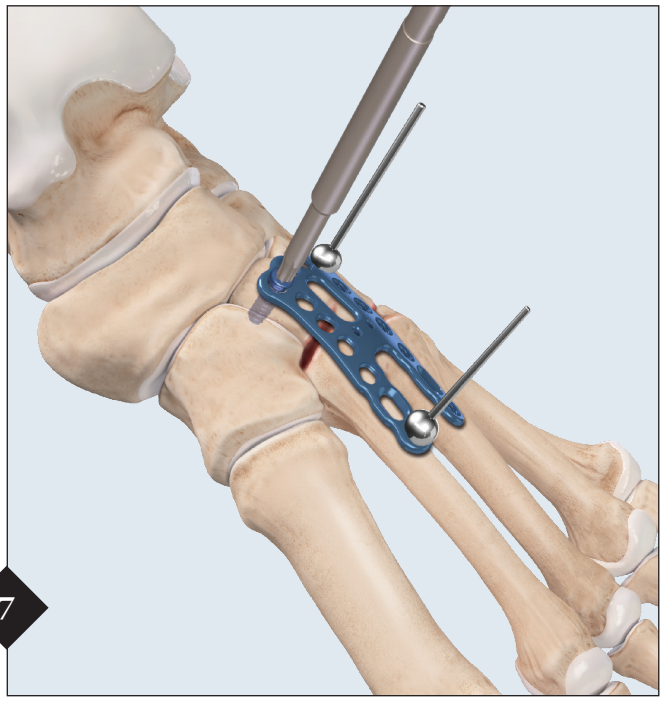
5

For 3.0 mm screws, place the drill guide, locking drill guide, or VAL guide and drill with a 2.0 mm drill.



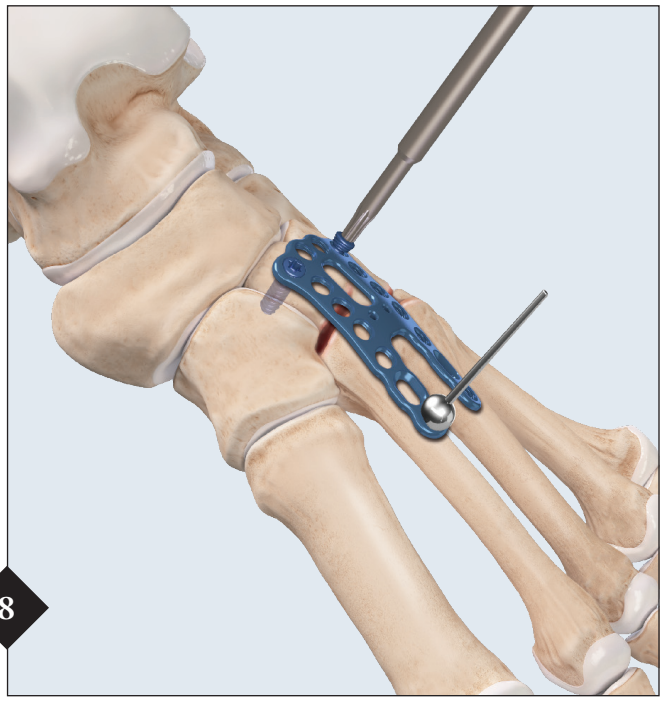
6

Measure with the depth gauge device to determine the appropriate screw length.



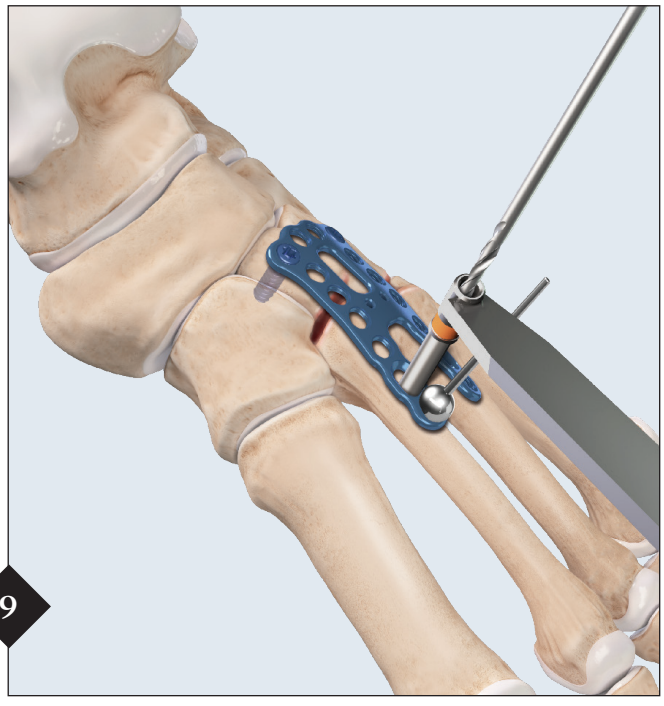
7

Place at least 2 screws proximally in the cuneiforms. It is recommended to first place at least one locking screw per cuneiform to bring the plate down to the bone. Place the locking screw of the desired length with the T10 driver.



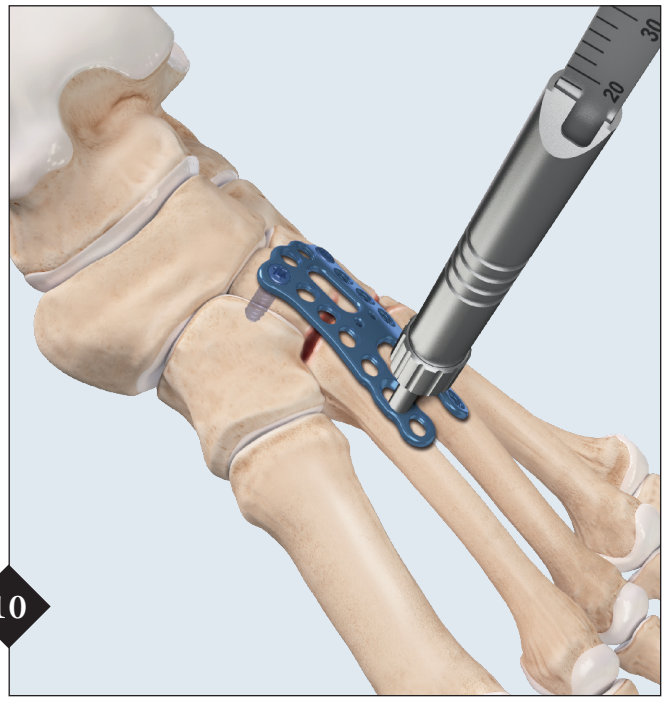
8

Complete this step for the nonlocking screws in each cuneiform.



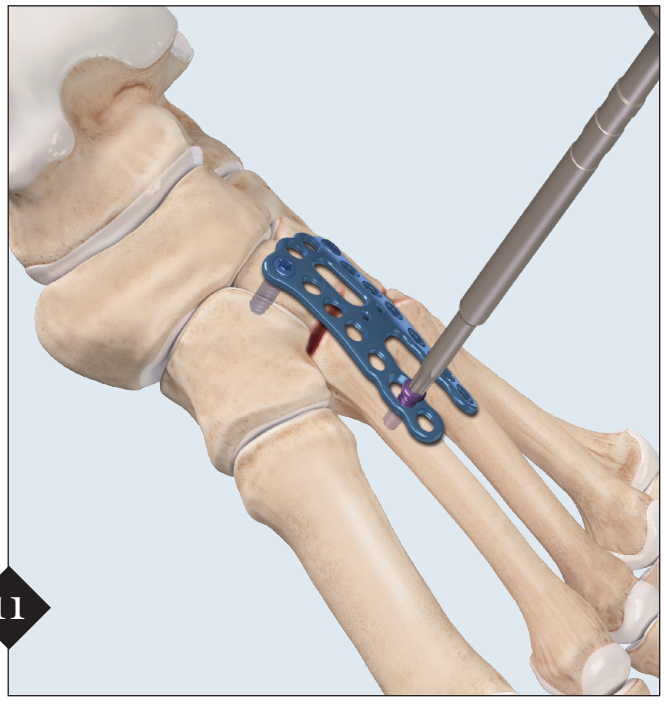
9

Place a nonlocking or hybrid 3.0 mm screw in each oblong hole. Drill eccentrically with the 2.0 mm drill through the drill guide.



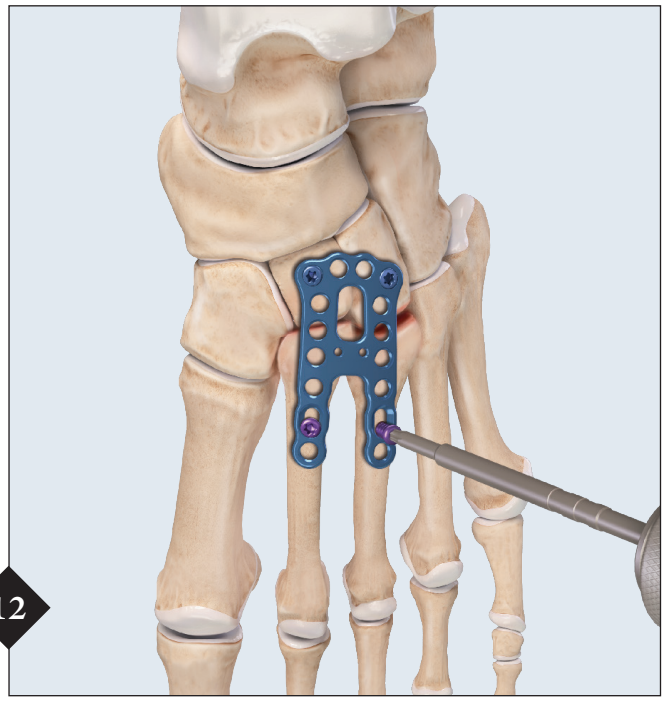
10

Measure using the depth device to determine the appropriate screw size.



11

Place the nonlocking or hybrid 3.0 mm screw to gain compression of the TMT joint. Remove the last remaining BB-Tak after the screw starts to engage and before compression is achieved.



12

Follow the same steps as previously directed for the nonlocking or hybrid 3.0 mm screw in the second oblong hole.

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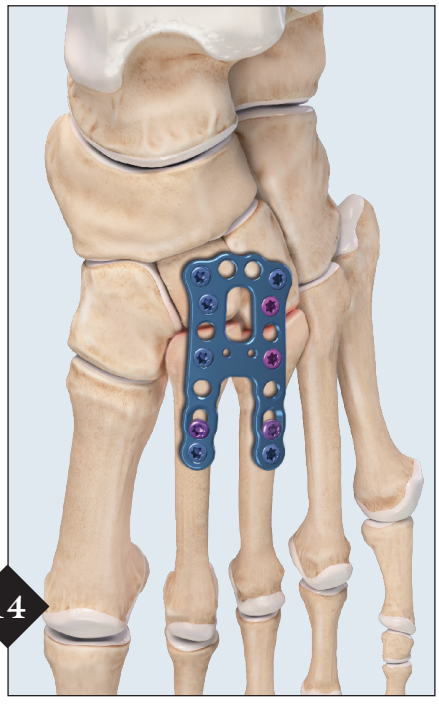
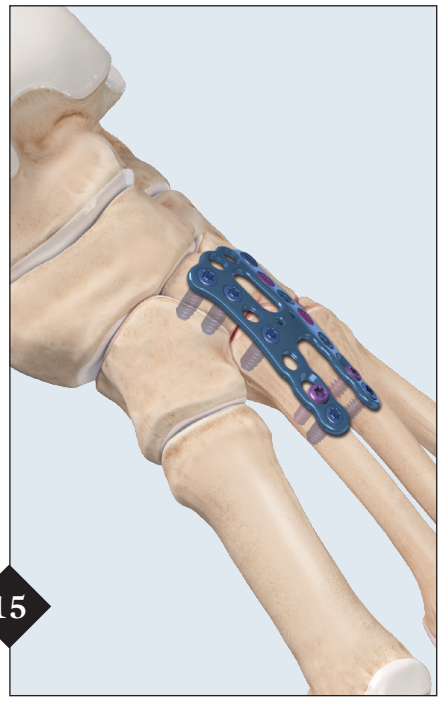
Compression of the 3rd TMT joint has now been achieved. Now both joints are compressed, and the plate is in its final position.



14

Place additional 3.0 mm locking or nonlocking screws where necessary to have at least two screws in the plate per bone segment.



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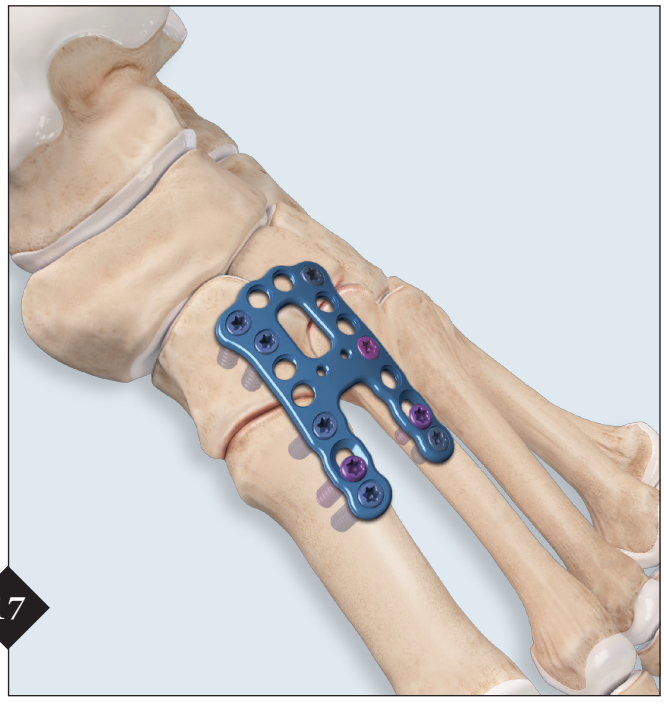
The Dorsal Midfoot Fusion Plate can also be used in fusions of the 1st and 2nd TMT joints. The same technique applies for this indication.



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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.