3DAnatomy™

TTC ArthroLab™ Model

Arthrex®

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Developed by 3DAnatomy™, the tibiotalocalcaneal (TTC) arthrodesis ArthoLab model, is a high-fidelity anatomical model engineered to replicate the structural and mechanical properties of human bone, enabling precise, repeatable execution of the hindfoot procedure.

- Simulates realistic cortical and cancellous response under instrumentation.
- Purpose-built for the DualCompression hindfoot fusion nail procedure.
- Engineered for consistent and repeatable performance.
- Supports procedural training, technique refinement, and education.
- For use with 10.5 mm × 210 mm or 10.5 mm × 180 mm hindfoot nails

Assembly Instructions

Step 7: Insert the pin into the pin hole, securing the tibia to the TRIMANO puck.

Step 6: Insert the Proximal Dowel of the tibia into the TTC TRIMANO puck.

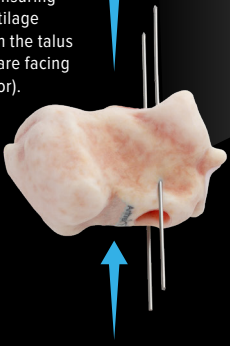
Step 5: Slide the proximal tibia onto the compression tab cylinders from the posterior side of the assembly.

Step 4: Slide the compression tab into the cylindrical slots, making sure the side labeled DIST is facing down (the PROX label should face up).

Step 3: Place the distal tibia onto the K-wires, then gently push the wires downward until they seat fully against the built-in stop in the tibia.

Note: The compression tab must be removed before disassembling the parts.

Step 2: Secure the talus onto the K-wires from the proximal end, ensuring the smooth cartilage surfaces of both the talus and calcaneus are facing forward (anterior).



Step 1: Insert the two nitinol K-wires through the distal calcaneus (medial or lateral hole) until it exits proximally.

Tips for a Successful Lab

- Follow the Setup Guide to assemble the model prior to the session.
- Confirm orientation using molded labels (eg, PROX/DIST, anterior/posterior).
- If resistance is felt, realign and re-seat components—do not force parts together.
- Stage required instruments and perform a quick dry run before attendees arrive.
- Secure the model using a compatible holder (eg, TRIMANO®, or vise clamp).
- Components should be stored in a cool, dry environment and protected from direct light or sunlight when not in use.

> **Note:** Ensure joint spaces are collapsed prior to the Hindfoot Nail insertion, to ensure maximum nitinol compression.

Ordering Information

TTC Full Kit	AMS-3DC-04-005-01K

- Calcaneus
- Talus
- Distal Tibia
- Proximal Tibia
- TRIMANO® Puck
- Compression Pull-Out Tab
- Carabiner
- Assembly Wires

TTC Disposable Kit	AMS-3DC-04-005-02K

- Calcaneus
- Distal Tibia
- Compression Pull-Out Tab

Exclusively available for Arthrex employees and agencies through the business portal or CSSynergy@arthrex.com

Learn more about 3DAnatomy models

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