



***A TRADITION OF QUALITY AND INNOVATION***



## ***SURGICAL TECHNIQUE GUIDE***

**Talar-Fit Anatomically Correct Subtalar Implant System**  
8mm • 9mm • 10mm • 11mm • 12mm



# INSTRUCTIONS FOR USE

## STEP 1

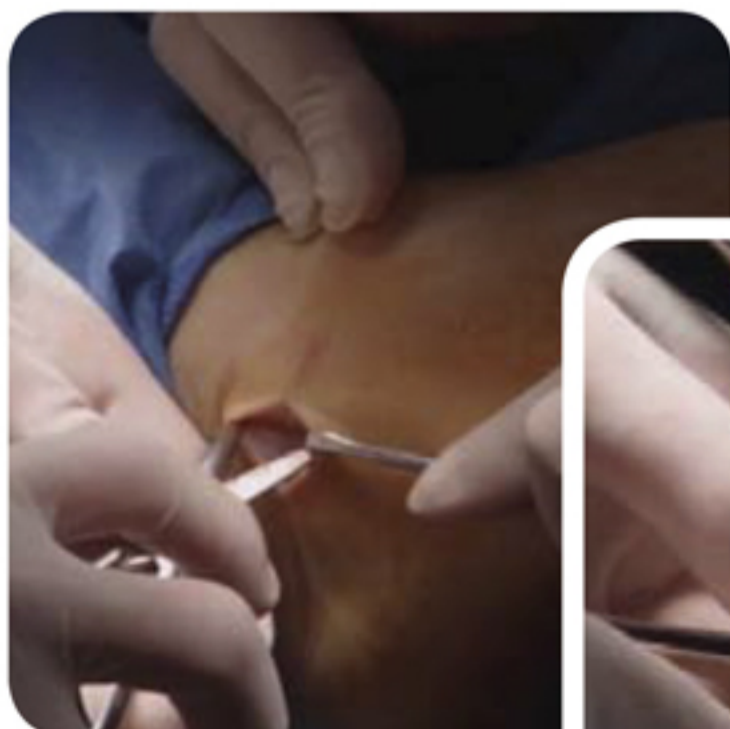
Create a 2-3cm incision over the sinus tarsi along the relaxed skin tension lines, avoiding the intermediate dorsal cutaneous nerves and sural nerve.

1

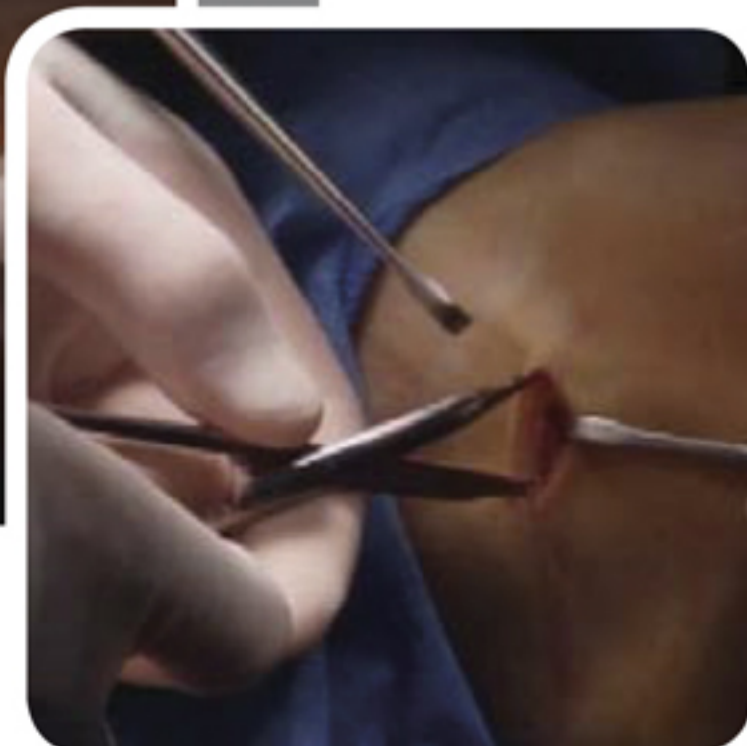


## STEP 2

Identify the deep fascia and bluntly dissect, allowing entrance into the tarsal canal. The fibro-fatty plug may be removed, if necessary, from the canal.



2



### STEP 3

The guide pin should be inserted into the sinus tarsi from lateral to medial.

3



**⚠ CAUTION** If the surgeon chooses to insert the guide wire until tenting is seen on the medial aspect of the foot, care should be taken to avoid the tibialis posterior tendon and neurovascular bundle. The guide pin should be superior to the tibialis posterior tendon and anterior and slightly inferior to the medial malleolus.

### STEP 4 (OPTIONAL)

Prepare the Talar-Fit™ instrument probe by pulling the spring loaded sleeve toward the handle and placing the probe's keyed slot on to the distal end of the Talar-Fit™ instrument shaft (Fig. 1).



Fig. 1



Fig. 2

Release the sleeve (Fig. 2).

Introduce the probe into the sinus tarsi. If the surgeon preference is to pass the instrument through to the medial side of the foot, care should be taken to avoid the tibialis posterior tendon and neurovascular bundle. To remove the probe from the Talar-Fit™ instrument, pull back on the spring loaded sleeve and rotate the keyed probe.

## STEP 5

Choose the appropriate trial based on the size and the anatomy of the patient. The size indicator is located at the proximal end of the trial. Attach the trial to the distal end of the Talar-Fit™ instrument shaft using the method discussed in Step 4 (Fig. 3 and 4). Slide the Talar-Fit™ instrument and trial over the guide wire and thread the trial into the sinus tarsi. The trial should be at least 1cm medial to the lateral wall of the calcaneus.



Fig. 3

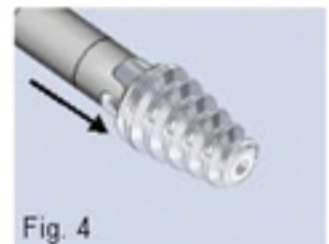


Fig. 4

## STEP 6

Assess range of motion of the subtalar joint and clinical correction. The handle of the Talar-Fit™ instrument can be removed from the instrument shaft at this time by pulling the black collet toward the handle (Fig. 5) to release the instrument shaft. Intra-operative

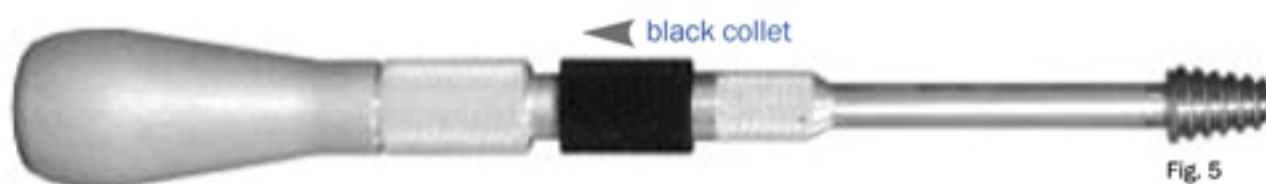


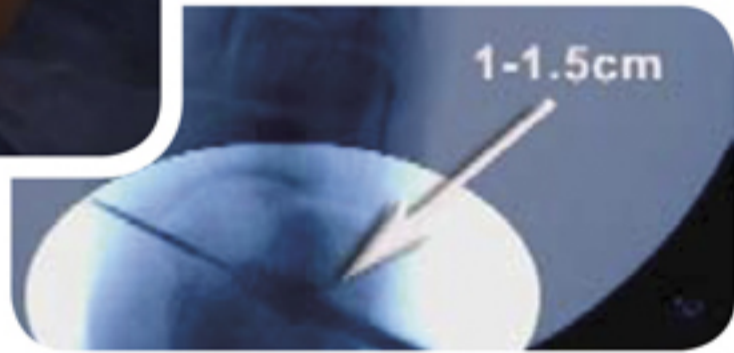
Fig. 5

radiographics are recommended to evaluate the degree of correction and final placement of the trial. The sleeve of the Talar-Fit™ instrument is calibrated in 10mm increments as a reference point of the final position of the trial.

## STEP 7

Once the trial size is determined, remove the trial and instrument from the sinus tarsi. Remove the trial from the Talar-Fit™ instrument by pulling back on the spring loaded sleeve and rotate the keyed trial to release the trial from the instrument shaft.

6



7



**⚠️ WARNING** The trial is not designed as a permanent implant and must be removed and replaced with the corresponding titanium Talar-Fit™ Implant.

### STEP 8

Place the determined implant over the exposed hex head of the instrument. Slide the sterile implant over the guide pin and thread into place with the Talar-Fit™ instrument.

8



### STEP 9

The implant should be at least 1cm medial to the lateral wall of the calcaneus. Intra-operative x-rays are recommended to determine the exact location of the implant. The location can be further assessed using the calibration marks on the Talar-Fit™ instrument as a reference.

9





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U.S. Customer Service: 800.456.7779

3885 Arapaho Road | Addison, TX 75001 | Phone: 972.677.4600 | Fax: 800.390.2620

[www.osteomed.com](http://www.osteomed.com)



A COLSON ASSOCIATE

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