

# DISCO SUBTALAR IMPLANT SYSTEM

The Disco Subtalar Implant is a titanium alloy, spherical implant intended to provide consistent correction in subtalar joint arthroereisis.

## SUBTALAR SOLUTIONS

- Trestle structure with up to 75 microchannels intended to accelerate tissue integration to mitigate implant migration
- Spherical shape intended to mitigate potential lateral pressure points
- Deep distal anchor thread for canal tissue engagement
- Color coded, radio-opaque, smooth trials to preserve joint tissue while sizing

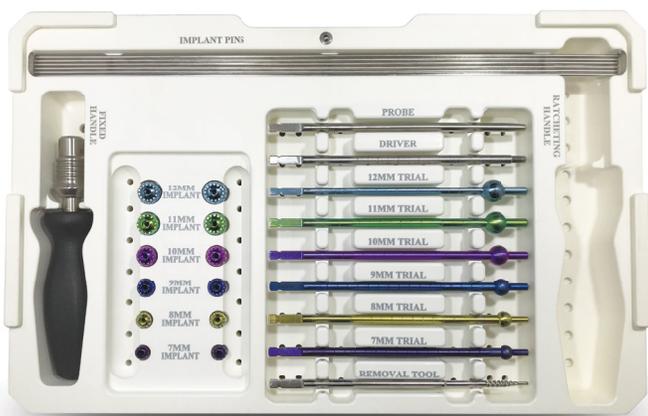


## DISCO SUBTALAR IMPLANT SYSTEM

## SURGICAL TECHNIQUE

			
Part Number	102-20-007	102-20-008	102-20-009
Diameter	7mm	8mm	9mm
Length	14mm	15mm	17mm

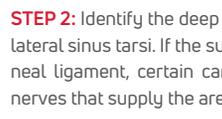
			
Part Number	102-20-010	102-20-011	102-20-012
Diameter	10mm	11mm	12mm
Length	19mm	21mm	23mm



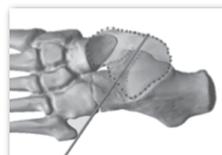
All associated instrumentation included in a single system



**STEP 1:** Make a 2-3cm incision on the lateral aspect of the foot over the sinus tarsi along the relaxed skin tension lines. Avoid the intermediate dorsal cutaneous nerves that should course superior to the incision, and sural nerve that should course inferior to the incision.



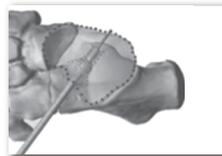
**STEP 2:** Identify the deep fascia and bluntly dissect allowing entrance into the lateral sinus tarsi. If the surgeon chooses to release the interosseous talocalcaneal ligament, certain care should be taken to avoid any arteries, veins, or nerves that supply the area.



**STEP 3:** Insert the guide pin into the sinus tarsi from anterior lateral to posterior medial until tenting is noted slightly posterior to the medial malleolus.



**STEP 4:** Choose the appropriate trial based on the size and anatomy of the patient. It is recommended to start with the smallest trial and increase trial sizing until the desired correction is achieved. Intra-operative AP and lateral view imaging is recommended to evaluate the placement of the trial. Introduce the selected cannulated trial over the guide pin into the sinus tarsi and canalis tarsi from anterior lateral to posterior medial until the trial will not advance anymore. The appropriate trial size should limit abnormal calcaneal eversion and will allow approximately 2-4 degrees of subtalar joint eversion. Once the appropriate size trial is determined, make note of the depth measurement on the calibrated section of the trial at the skin line and remove the trial from the joint while leaving the guide pin in place.



**STEP 5:** Place the equivalent size implant onto the insertion tool and introduce over the guide pin and thread into the joint with a clockwise rotation. Once the implant has been advanced 3-4 full turns into the canalis tarsi, remove the guide pin and then fully seat the implant until it does not advance any further. Final placement should match the predetermined length noted with the depth measurement determined from the trial until clinical correction is noted. Intra-operative imaging in the AP and lateral view should be used to verify the final placement of the implant. The trailing edge of the implant should sit +/- 2mm from the neck of the talus.

**STEP 6:** Once the final placement of the implant has been achieved, assess the range of motion of the subtalar joint. A significant reduction of excess subtalar joint pronation should now be achieved.

**STEP 7:** Irrigate then close the deep tissue, fascia, subcutaneous tissue, and skin layers. Place the foot in a mild compressive dressing.

### POST-OPERATIVE CARE

Assuming no adjunctive procedures were performed, a protective, weight bearing, below the knee walking cast or boot for 2-4 weeks is used. A gradual return to limited activity in 4-6 weeks is permitted as tolerated.

### IMPLANT REMOVAL

In the event the implant needs to be removed, the threaded removal tool is inserted into the proximal end of the implant and turned in a counterclockwise motion to engage the reverse threads in the cannulation of the implant to back out and remove the implant.

Certain system features covered under U.S. Patent No. 8,636,808 & 9,220,602.  
FDA cleared 510(k) K111834.  
Trilliant products are made in the U.S.A.



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