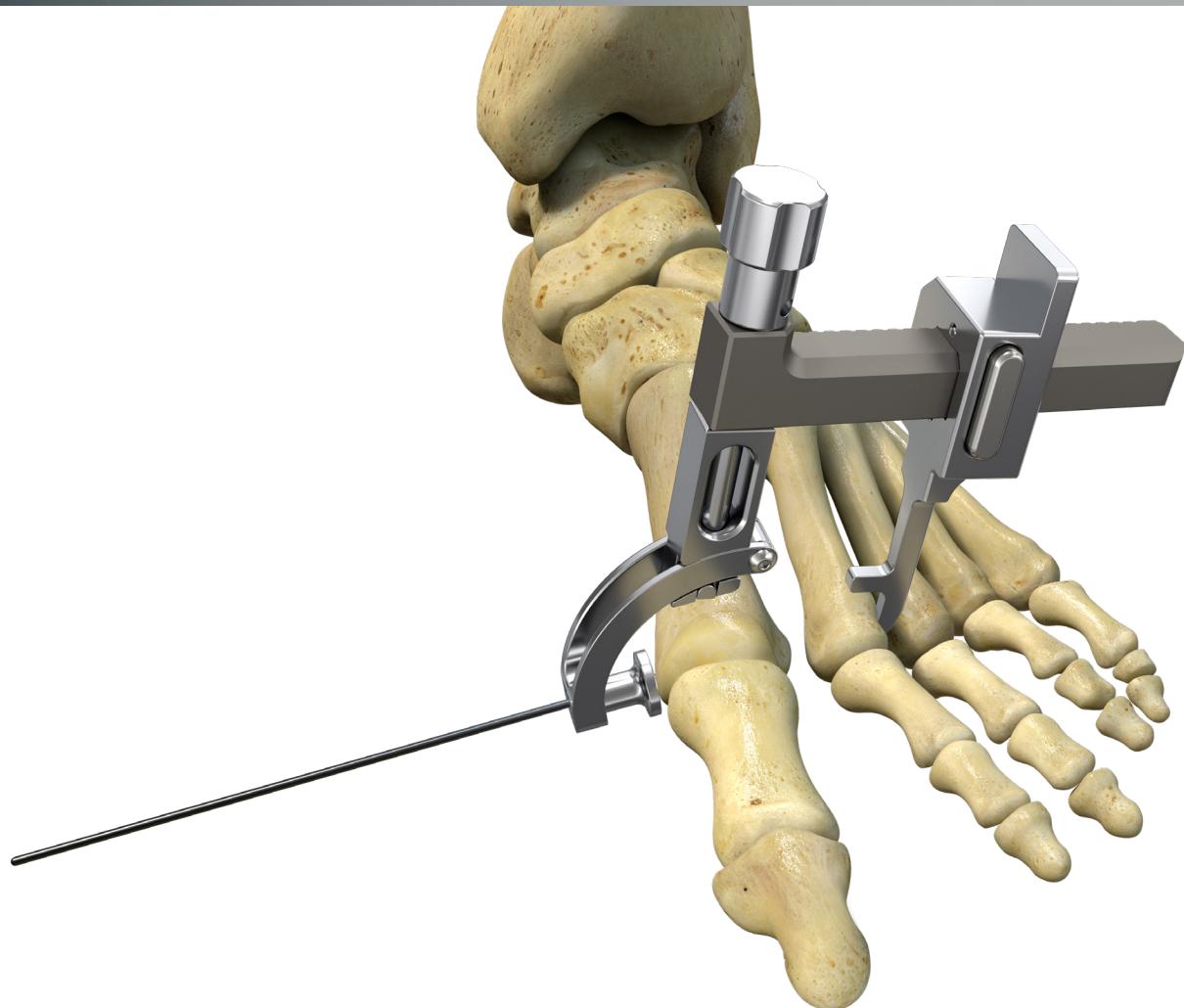


stryker

Ortholoc® 2 3Di

LapiFuse Triplanar Correction System

Pocket Guide



Skin incisions

Create 3 incisions

- 40-50mm dorsal-medial incision across the TMT joint.
- 15-25mm medial incision across MTP/MPJ head.
- 1st or 2nd interweb space incision.
 - 1st interweb space if lateral ligament release is required.
 - 2nd interweb space if lateral ligament release is not required.



Figure 1

Capsulotomy and distraction

- Capsulotomy of the 1st TMT joint.
- Insert 2.5mm pins into intermediate cuneiform and 1st metatarsal via the LapiFuse distractor.
- Distract the 1st TMT joint 10-15mm.

Joint preparation

- Manually prepare joint and remove cartilage with the LapiFuse joint preparation instruments.
- Fenestrate the joint surfaces with the 2.5mm drill and drill guide.



38140002
LapiFuse distractor



9914PK01
Joint preparation kit



Figure 2

Triplanar correction

- Insert 1.4mm wire into the head of the MTP/MPJ.
 - Biocortical, parallel w/ sesamoids, and perpendicular to the long axis of the metatarsal.
- Insert hook of the LapiFuse clamp around the 2nd metatarsal through either webspace incision.
- Insert base of the LapiFuse clamp over the 1.4mm wire and seat flush to the head of the MTP/MPJ.
- Assemble the LapiFuse clamp to reduce to de-rotate the sesamoids, reduce the IM angle and plantar flex the 1st ray.



CSS-040-14
1.4 mm Kirshner Wire



38140001
LapiFuse clamp

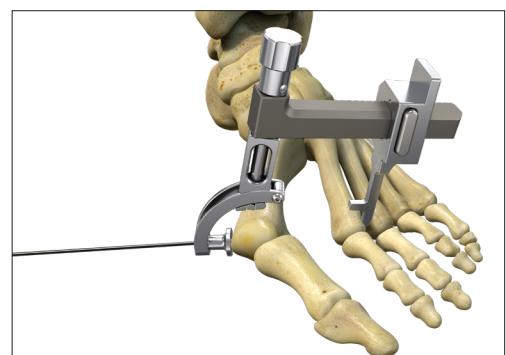
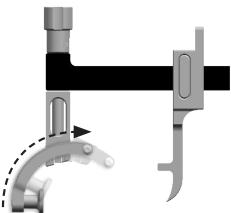


Figure 3

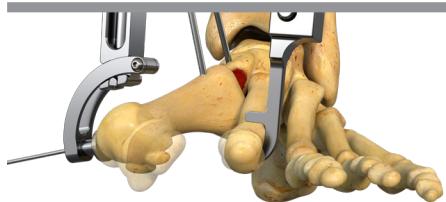
- De-rotation
 - Assembly of the clamp will passively de-rotate the sesamoids.
 - Active de-rotation can be achieved by manually adjusting the clamp base.
- Plantar Flexion
 - Inherent off-set between the hook and base will plantar flex the MTP to the anatomical location.
- IM Angle
 - Assemble the hook and base of the LapiFuse clamp and reduce to the correct IM angle.

Triplanar correction

De-rotation



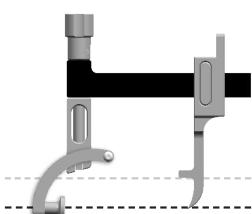
Before



After



Plantar flexion



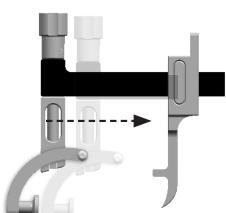
Before



After



IM reduction



Before



After



Lag screw alignment

- Assemble targeting guide.
- Position targeting guide at the apex of the metatarsal base.
- Under fluro, align the targeting guide such that the drill guide is centered between the wires.
- Position targeting guide to target the center of the intermediate cuneiform.
- Insert 1.4mm wire through targeting guide, aiming plantar to dorsal, into the center of intermediate cuneiform.



38140003
Targeting guide

38140003
Targeting guide:
alignment tower

CSS-040-14
1.4 mm Kirshner Wire

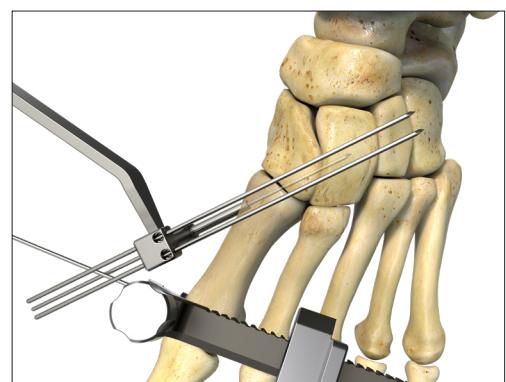


Figure 4

Lag screw preparation and insertion

- Use depth gauge to measure length of lag screw over the wire.
- Use drill guide and 2.7mm drill to prepare pilot hole across the joints.
- If necessary, use counter-sink.
- Insert the 4.0mm lag screw with T15 driver.
- Optionally, use LapiFuse Dome Washer.

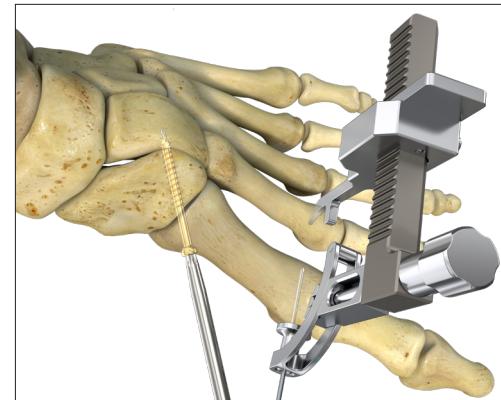


Figure 5

Plate and screw implantation

- Select the appropriate plate: standard or trans-met, 0mm or 2mm step.
- Position the plate dorsal medial across the TMT joint.
- Use plate tacks to temporarily hold plate in place.
- Drill and fill screw holes with either locking or non-locking screws.
 - Implant proximally first, then distally.
 - Use 2.5mm pre-drill for screw preparation.
 - Implant on-axis and 15° off-axis with T15 driver.
 - Compression screw through the plate should be non-locking, bi-cortical and be prepared distally in the slot.
 - Use depth gauge to determine screw length.



Figure 6



Foot & Ankle

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate a Stryker product. A surgeon must always refer to the package insert, product label and/or instructions for use, including the instructions for cleaning and sterilization (if applicable), before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Ortholoc, LapiFuse and Stryker. All other trademarks are trademarks of their respective owners or holders.

