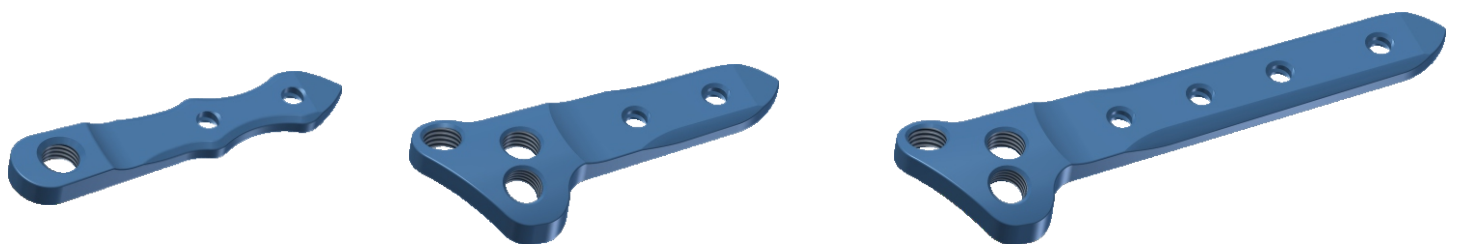
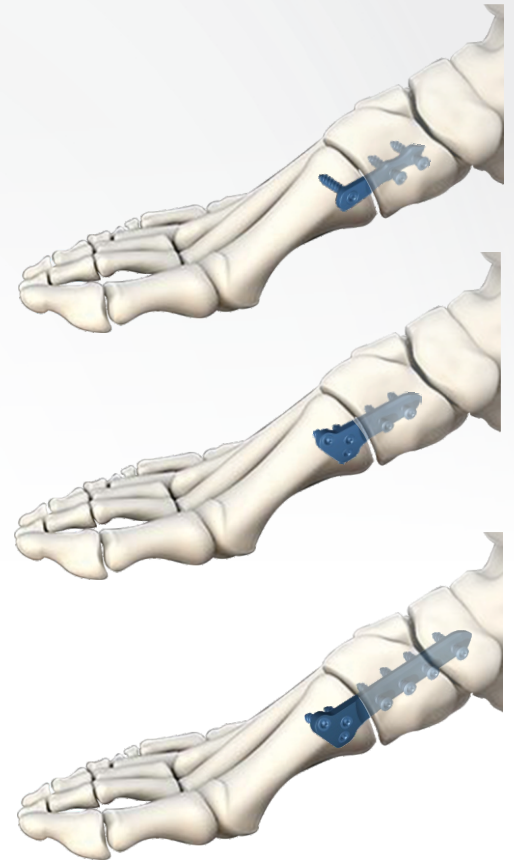


Astrolabe recognizes that proper surgical procedures and techniques are responsibilities of medical professionals.

The following guidelines are provided for information purposes only. Each surgeon must evaluate the appropriateness of the procedures based on their medical training, experience and condition of the patient. Before using the system, the surgeon must consult the operating instructions for additional warnings, precautions, indications, contraindications and adverse effects.

- Correction of 10° to 22° hallux valgus deformities
- Plates with different sizes, allowing greater displacement of the metatarsals.
- 4 correction levels: lateralisation, plantarisation, derotation and contrarotation to improve PASA angle.
- The design of the plates and intramedullary fixation provide three-dimensional fixation, without danger of shortening or elevation.
- No soft tissue irritation due to the placement of the plate within the bone.
- Possibility to perform minimal invasive procedure.



Indications

General Indication:

- Correction of all hallux valgus deformities.
- Subcapital osteotomy
- Proximal osteotomy
- Opening Lapidus Arthrodesis

Subcapital osteotomy

Small plate
IM angle $< 14^\circ$
Stable TMT I joint



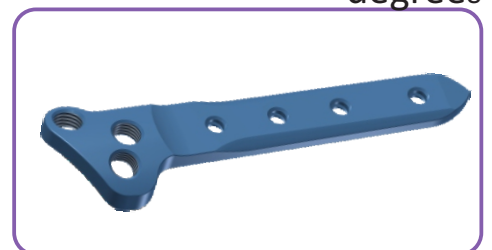
Base osteotomy

Medium plate
IM angle $14-18^\circ$
Stable TMT I joint



Lapidus + Proximal Osteotomy

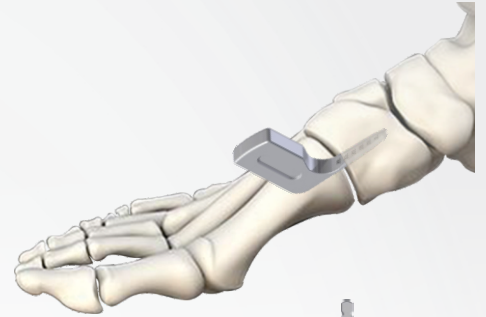
Large plate
IM angle $> 18^\circ$
Unstable TMT I joint in all
degrees



Bone preparation with chisel

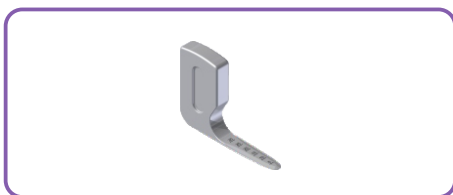
Only necessary for Lapidus osteotomy

- Use the 90° chisel to prepare the positioning of the plate inside the bone
- Mount the plate on the Drill Guide/Impactor and fix it with the Fixation Wrench.



Fixation Wrench, Hallux
Valgus Plate:
09.20.03.00000

Instruments:



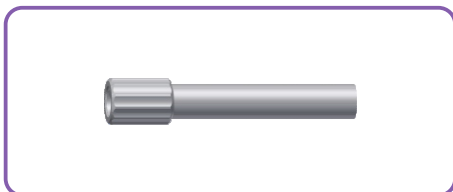
Preparation Chisel, Hallux
Valgus Plate, 90°: 09.34.01.00090



HAJEK Hammer, 140g,
Ø27 x 220 mm: 09.33.00.27220



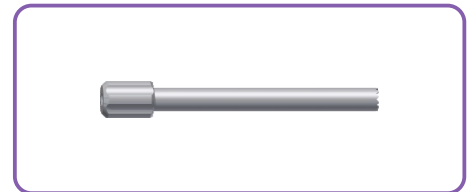
Drill Guide/Impactor, Hallux Valgus Plate:
09.05.15.00010 | 09.05.15.00000



Drill Sleeve, Ø4.6 x 40 mm:
09.06.00.46040



Drill Bit, Ø2.0 x 125 mm, twist
length 30 mm, AO Coupling:
09.01.01.20125

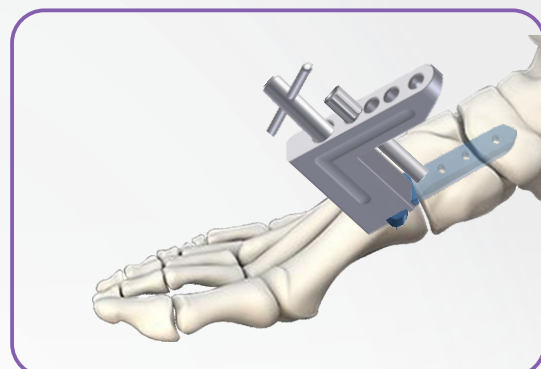


Drill Sleeve, Ø2.1 x 55 mm:
09.06.00.21055

Plate Positioning Lapidus Osteotomy

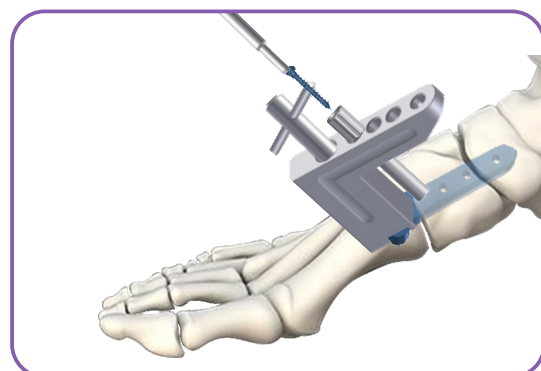
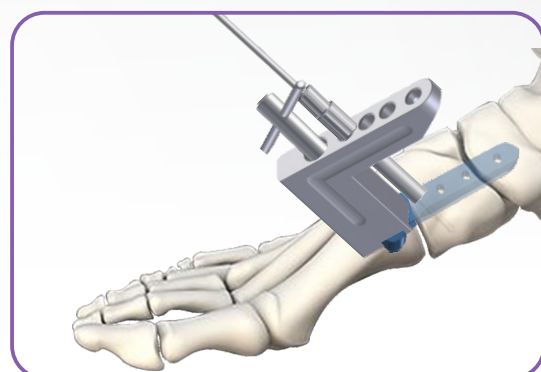
Plate impaction and positioning

- Mount the plate on the Drill Guide/Impactor to guide the positioning of the plate and drilling of its respective holes. The plate should be proximally placed inside the bone.



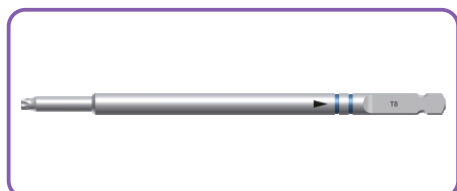
Proximal locking of the plate and screw insertion

- After adequately positioning the plate use both drill guides, fitted together, after pre-drilling.
- The length of the screw is obtained by inserting the tip of the Depth Gauge through the Hallux Valgus Drill Guide / Impactor.
- The drill guide must be removed to insert the screws. Typically, the plate is locked in place with 2 or 3 screws according to indications (screw length 16-18 mm).

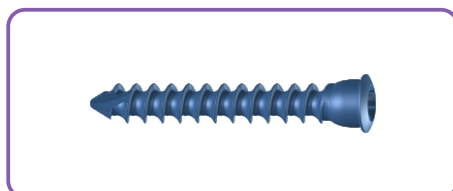


Note:

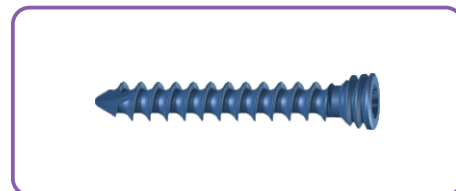
- The Drill Guide/Impactor device must be removed after proximal locking of the plate.



Shaft Screwdriver, Torx-8, 90 mm,
AO Coupling, Blue Code:
09.07.04.08091



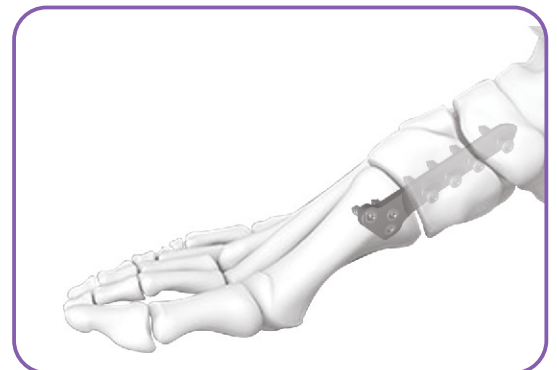
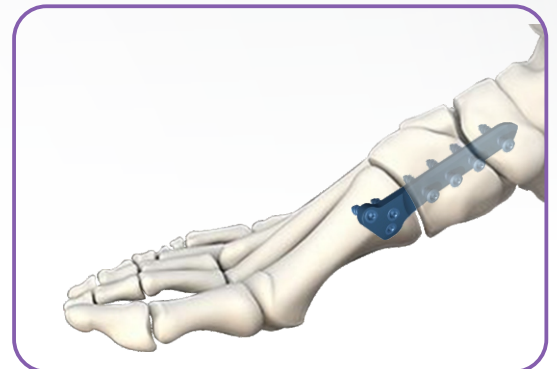
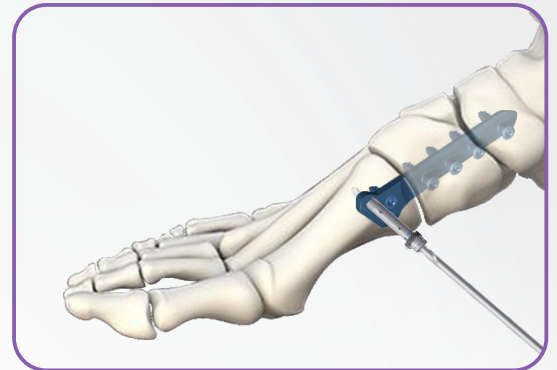
Cortical Screw Ø2.7 mm:
15.04.03.27020



Locking Screw Ø2.7 mm:
15.14.03.27020

Final Distal Fixation

- After alignment of the distal section, drill the remaining holes using the Drill Guide Insert and then insert the screws until it is completely locked in place.
- **Fixed angle technique (Locking Screws):**
During the drilling process, the hole in the plates cannot be damaged. This drilling process must be perpendicular to the plate by using the appropriate drill guide. The Drill Bit must be conducted through the drilling guide channel..
- **Variable angle technique (Cortical Screws):**
the drill bit must be conducted through the holes of the plates without a drill guide.
- Proceed with x-ray to check if final position is according to initial intention.



Instruments:



Drill Guide Insert, $\varnothing 2.0 \times 45$ mm,
Threaded, Blue Code:
09.27.04.10020



Drill Bit, $\varnothing 2.0 \times 125$ mm, twist length
30 mm, AO Coupling:
09.01.01.20125



Drill Bit, $\varnothing 2.0 \times 125$ mm, twist length
35 mm, Stryker Coupling:
09.01.06.20125