

Pangea™

Distal Posterior Tibia Plate

Design rationale



Pangea Distal Posterior Tibia Plate

Design rationale

stryker

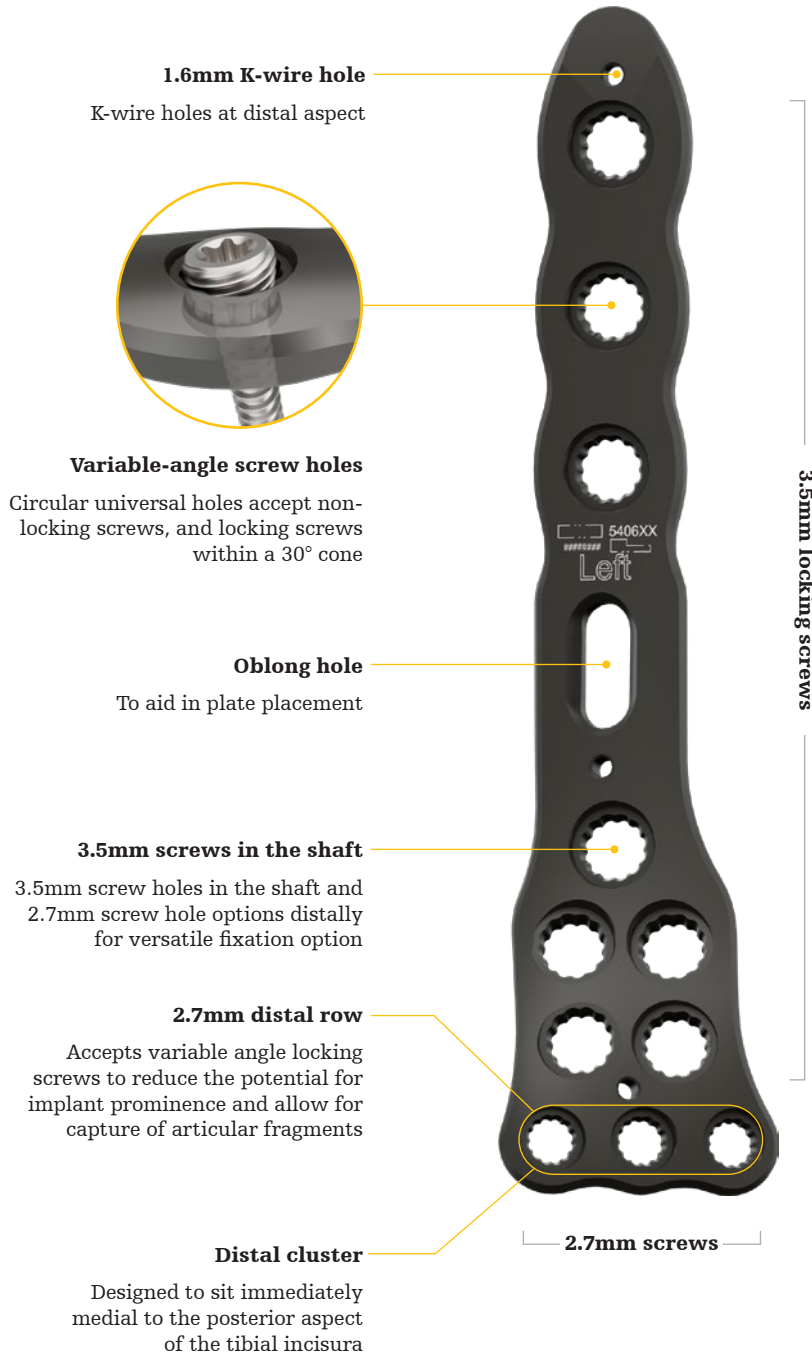


Plate placement



- The plate is placed on the posterior surface of the distal tibia, specifically to sit on the lateral side of the posterior surface over the posterior malleolus.
- Proper position is achieved when the distal end of the plate is adjacent to the articular surface, allowing for the distal screws to support the plafond.
- Contour of the distal plate is designed to allow placement immediately proximal to the joint line for rafting while reducing plate prominence.



Image from Pangea Operative Technique¹

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Fit

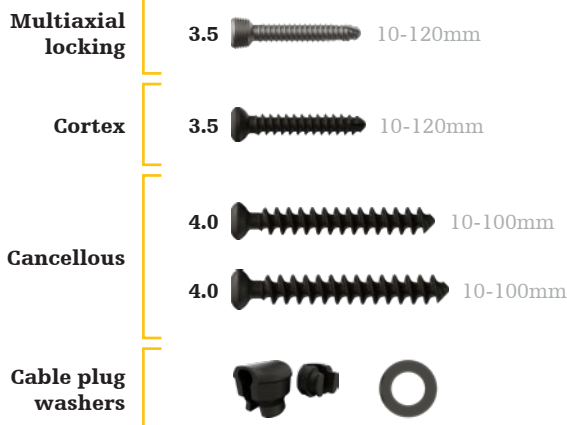
- Distal Posterior Tibia Plate is designed to act as a buttress of the posterior malleolus or posterior fixation of pilon fractures.
- The rotation of the plate is designed to allow for central placement on the tibial shaft while facilitating capture of the posterior malleolus.
- The fit and placement is designed to reduce the potential for irritation of the flexor hallucis longus (FHL tendon).
- Designed with the use of SOMA: Stryker Orthopedics Modeling and Analytics.
- SOMA analysis shows better anatomic plate fit of the Distal Posterior Tibia plate compared to competitive VA-LCP distal tibia plates.²

Technical specification

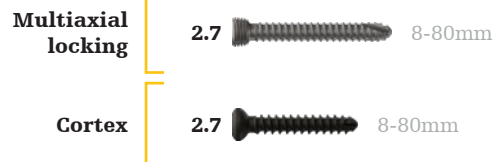
- Standard plate lengths: 2-10 hole (75-187mm)
- Shaft thickness: 3.3mm
- Distal thickness: 2.3mm
- Left and right anatomic plate options
- **Drill bits for T8:**
 - Ø2.0mm x 135mm (542000(S))
 - Ø2.0mm x 175mm (542001(S))
- **Drill bits for T15:**
 - Ø2.5mm x 135mm (542020)
 - Ø2.5mm x 215mm (542021)

Screw platform

T15 screw platform



T8 screw platform



References:

1. Pangea Distal Tibia Plating Operative Technique. PGA-ST-5, 03-2023
2. Internal Report № D0000262573, Rev AA, Selzach, Switzerland

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Content ID: PGA-BL-3, 08-2023
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