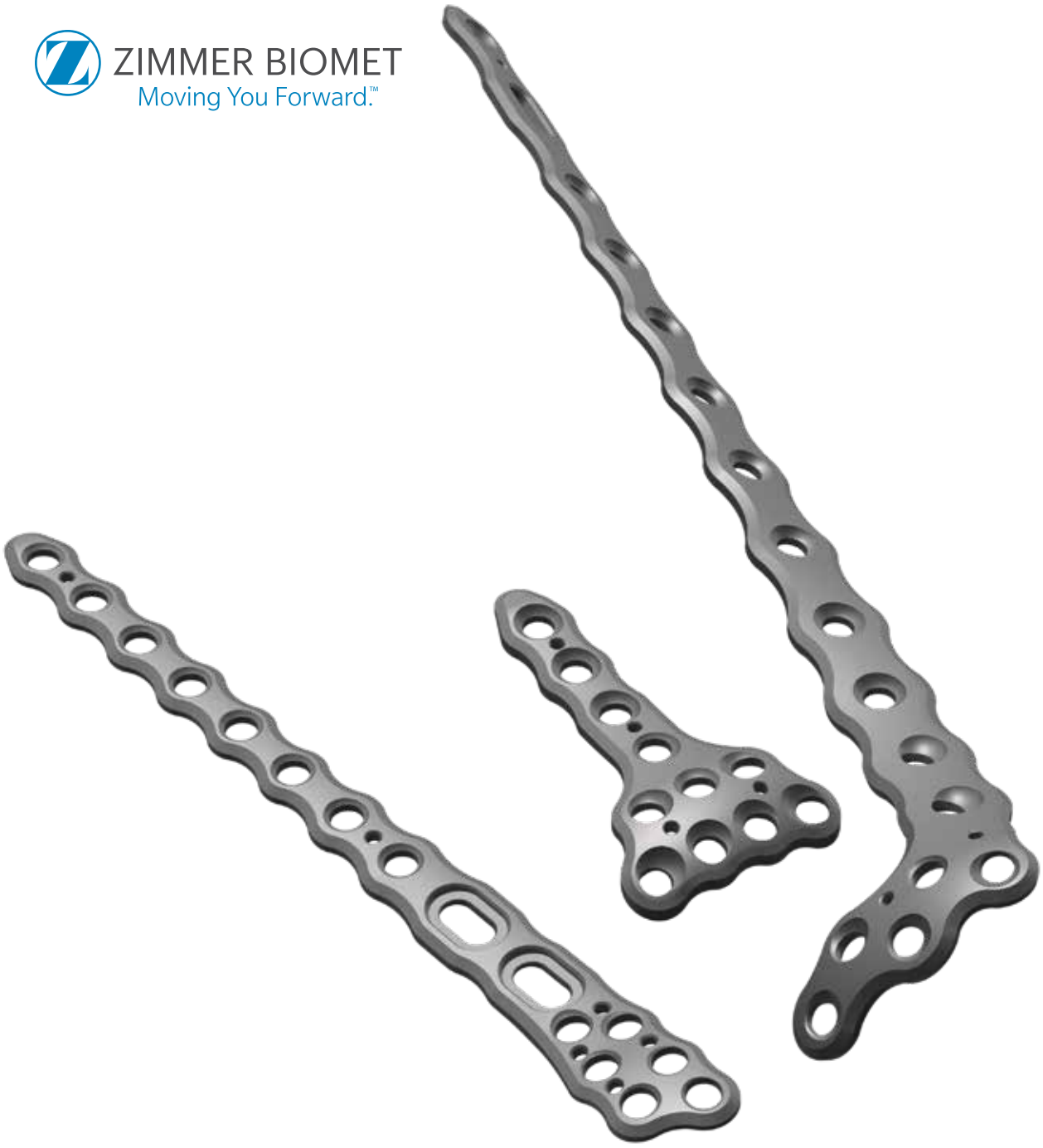
ZIMMER BIOMET
Moving You Forward.™



A.L.P.S. mvX ™ Ankle Fracture System

A.L.P.S. mvX ™ Ankle Fracture System

Meticulously Designed | Versatility Unmached | Expansive Offering

The A.L.P.S. mvX Ankle System is designed as the core system for the future of ankle fracture plating allowing for a single, cohesive platform across a broad range of ankle fracture applications. Nine plating families provide sixty-nine plating options for anatomic solutions encompassing the complete spectrum of ankle fractures. The core instrument case creates a versatile solution for streamlined management and enhanced efficiency.

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Meticulously Designed

Zimmer Biomet's A.L.P.S. mvX Ankle Fracture System was designed in collaboration with leading surgeons to create a complete solution for fracture fixation in the distal tibia and fibula. This includes varying plate geometries and sizes providing the surgeon with a suitable implant selection for a variety of situations.

Variety of plates including:

- Distal Fibula - Anatomic Lateral, Posterior, Hook, and 1/3 Tubular
- Distal Tibia - Anterolateral, Medial, Anterior, Posterolateral, Medial Malleolus Hook

Low-profile plates designed to minimise plate prominence and soft tissue irritation

- Plate thickness range from 1.3 - 2.3 mm, depending on plate selection

Type 2 anodised titanium for increased fatigue strength over stainless steel[1].

Posterolateral Tibia Plate

Meticulously Designed

Designed for efficiency and intuitive use in the operating room, to ensure a simplified workflow..

- One driver is used for all screws (2.7 and 3.5mm locking and non-locking, along with 4.0 mm non-locking).
- Plate and hook tamps for provisional fracture reduction, and drill/ targeting guide for hook plate positioning
- Plate distractors designed to restore length, rotation and alignment, and soft tissue contraction
- K-wires and plate tacks provide more options for temporary fixation
- Driver/screw interface designed for secure screw capture and retention

Medial Malleolus Hook Plate ▶

Versatility Unmatched

The A.L.P.S. mvX Ankle Fracture System provides a broad range of solutions for distal tibia and distal fibula fractures.

- Intentionally designed anatomic plates for use in a variety of anatomies and fractures
- System provides 2.7, 3.5 and 4.0 mm diameter screws ranging from 10-100 mm in length
- Modular system to provide surgeons the flexibility to treat a variety of fractures
- Color-coded instrumentation and modular tray layout for efficiency
- Two trays: a core tray including screws, instruments and disposables, plus a plate tray including both distal fibula and distal tibia plates

Versatility Unmatched

eXpansive Offering

The A.L.P.S. mvX Ankle Fracture System offers a broad range of plates for a comprehensive system providing options and flexibility. Designed to optimally treat each fracture of the distal tibia and fibula.

- Expansive system offering 69 plates across 9 anatomic families of distal tibia and fibula fracture plates
- Variety of screw diameters in both locking and non-locking options

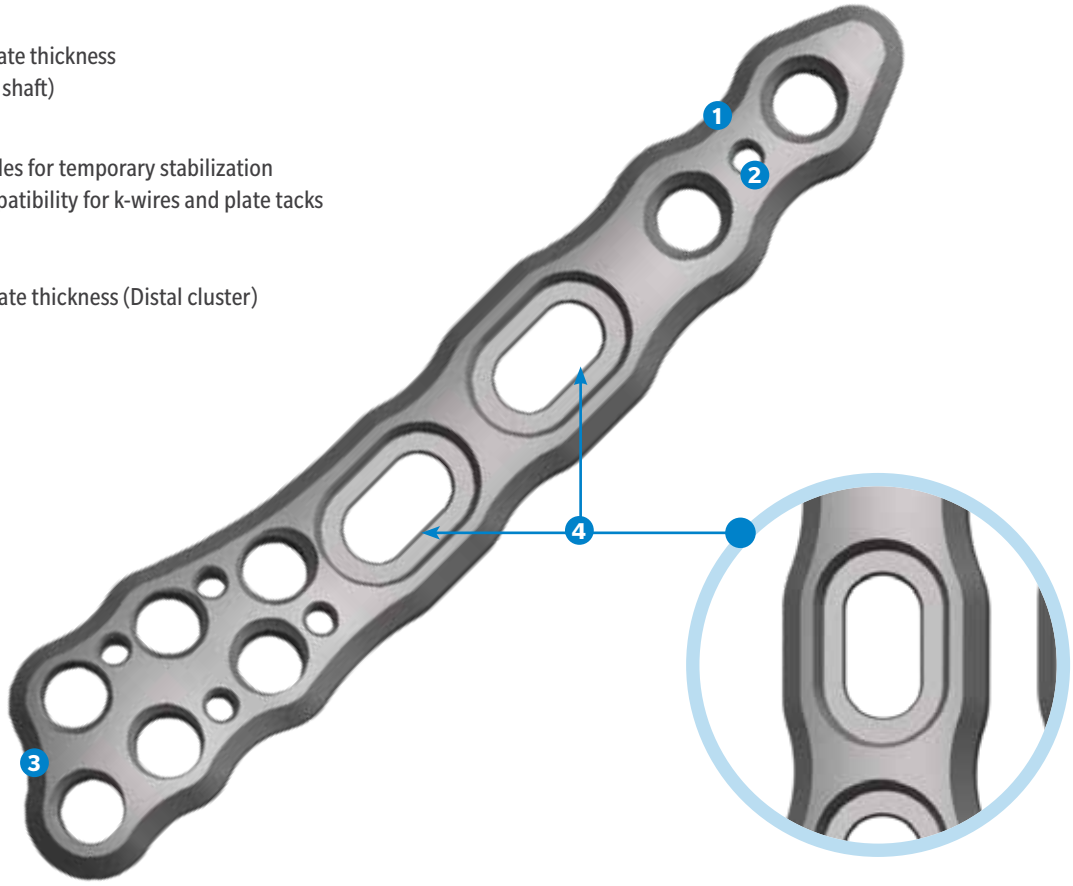
Distal Fibula Plating - **Anatomic Lateral Fibula Plates**

- 4-, 6-, 8-, 10-, and 12-hole plates
- Left and right options

eXpansive Offering

Distal Fibula Plating - Anatomic Lateral Fibula Plates

1. 1.6mm plate thickness (Proximal shaft)
2. K-wire holes for temporary stabilization with compatibility for k-wires and plate tacks
3. 1.3mm plate thickness (Distal cluster)



4. Syndesmosis holes for fixation options with ZipTight™, JuggerLoc™, or non-locking screws

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Distal Fibula Plating - **Posterior Fibula Plate**

- 8-, 10-, 14-hole plates
- Left and right options

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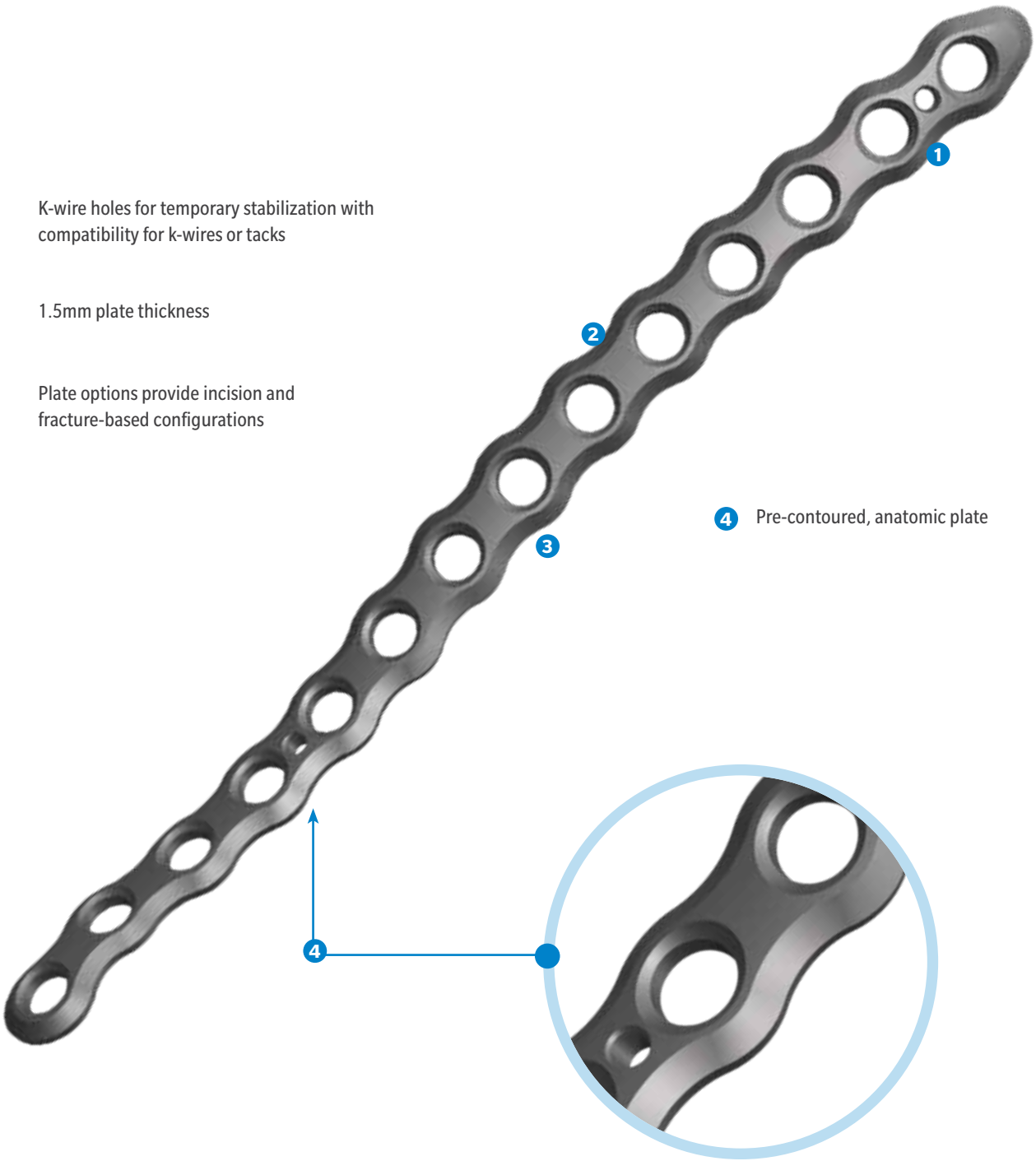
Distal Fibula Plating - **Posterior Fibula Plate**

1. K-wire holes for temporary stabilization with compatibility for k-wires or tacks
2. 1.5mm plate thickness
3. Plate options provide incision and fracture-based configurations
4. Pre-contoured, anatomic plate



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Distal Fibula Plating - **Distal Fibula Hook Plates**

- 4-, 6-hole plates
- Bi-lateral

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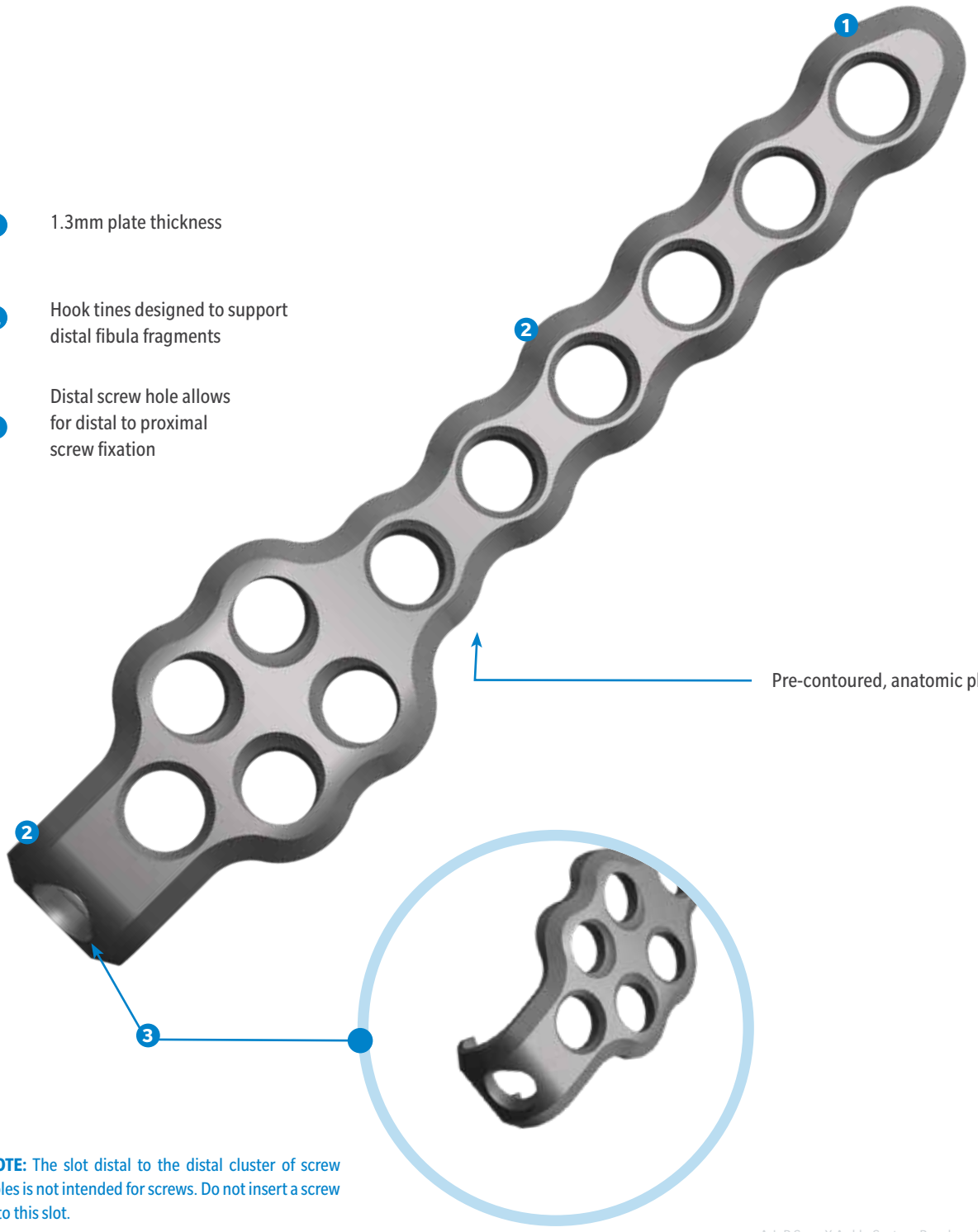
Distal Fibula Plating - **Distal Fibula Hook Plates**

1. 1.3mm plate thickness
2. Hook tines designed to support distal fibula fragments
3. Distal screw hole allows for distal to proximal screw fixation



NOTE: The slot distal to the distal cluster of screw holes is not intended for screws. Do not insert a screw into this slot.

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Distal Fibula Plating - **1/3 Tubular Locking Plates**

- 2-, 4-, 6-, 8-, 10-,12-,15-hole plates

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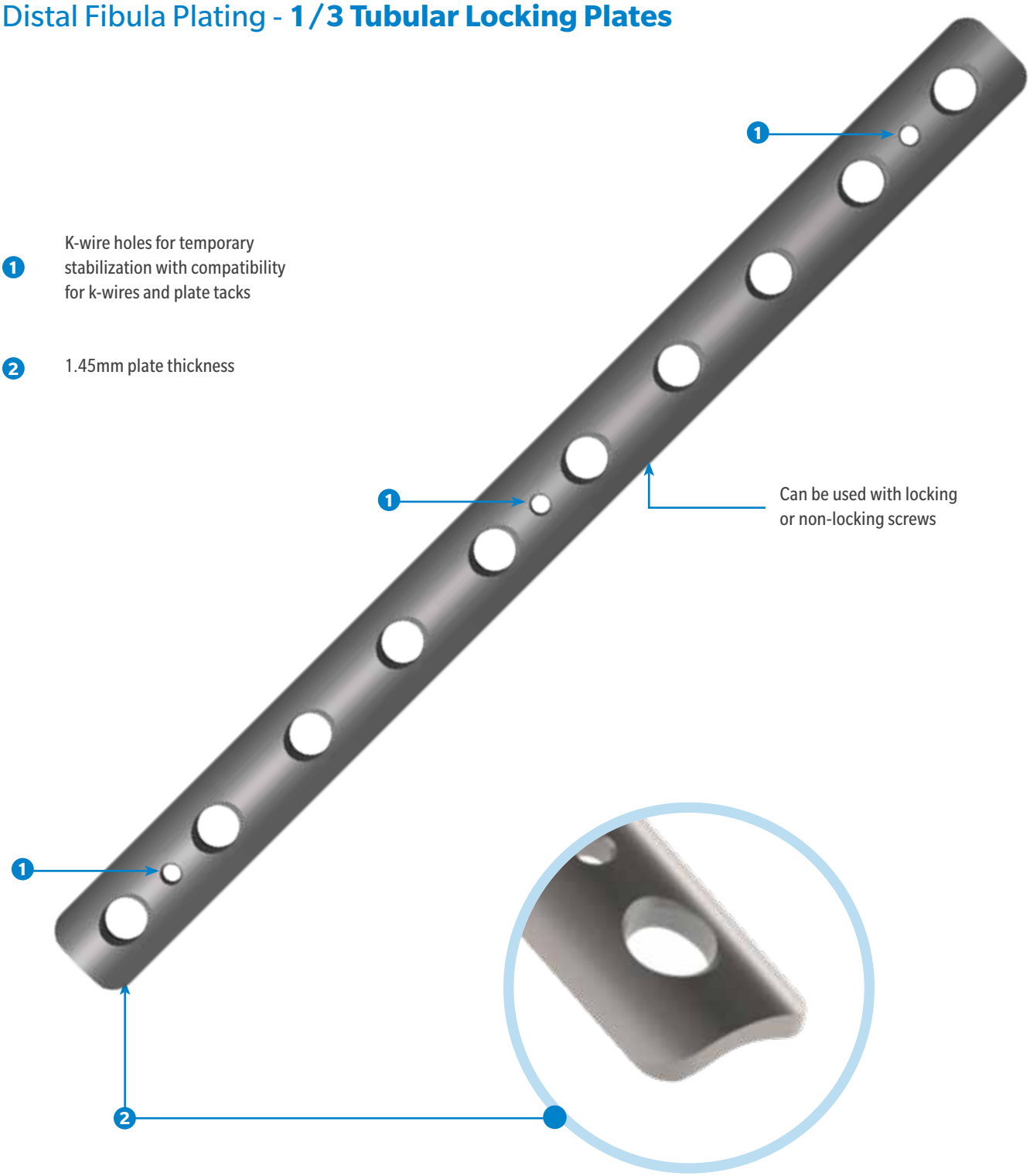
Distal Fibula Plating - **1/3 Tubular Locking Plates**

1. K-wire holes for temporary stabilization with compatibility for k-wires and plate tacks
2. 1.45mm plate thickness



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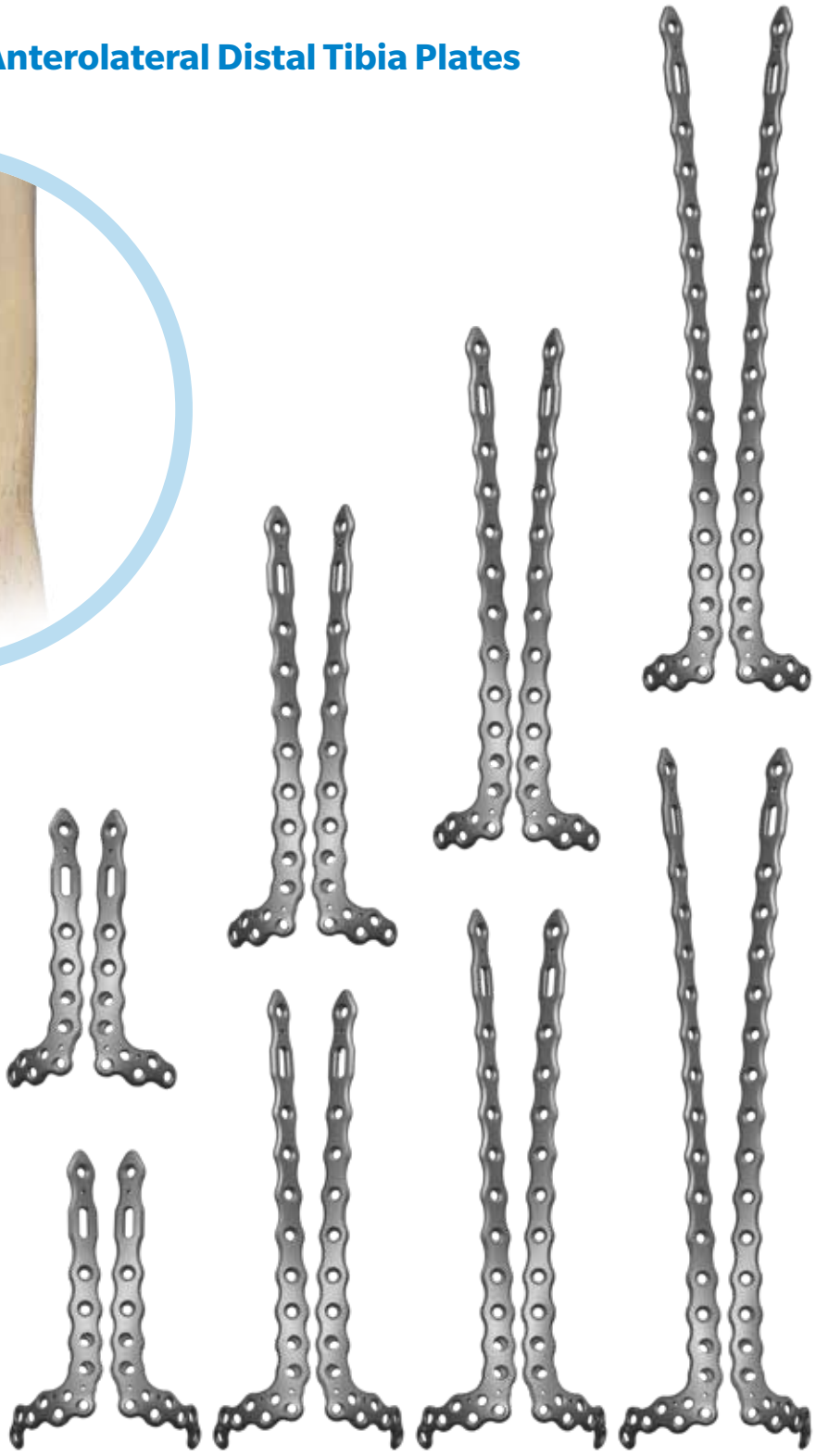
Distal Tibia Plating - **Anterolateral Distal Tibia Plates**

- 6-, 10-, 12-, and 16-hole plates
- Left and right options
- Narrow and wide options



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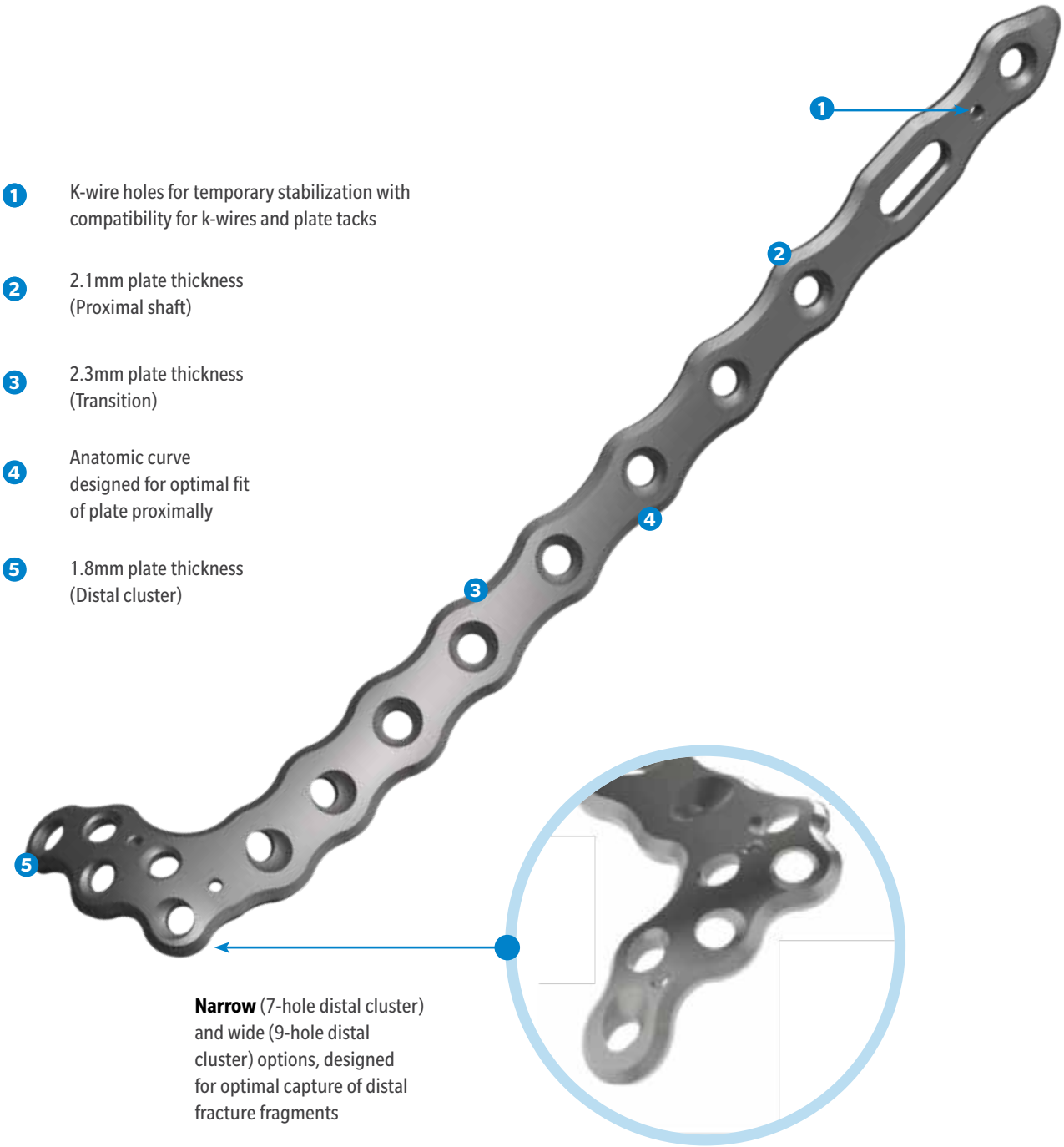
Distal Fibula Plating - **Anterolateral Distal Tibia Plates**

1. K-wire holes for temporary stabilization with compatibility for k-wires and plate tacks
2. 2.1mm plate thickness (Proximal shaft)
3. 2.3mm plate thickness (Transition)
4. Anatomic curve designed for optimal fit of plate proximally
5. 1.8mm plate thickness (Distal cluster)



Narrow (7-hole distal cluster) and wide (9-hole distal cluster) options, designed for optimal capture of distal fracture fragments

eXpansive Offering

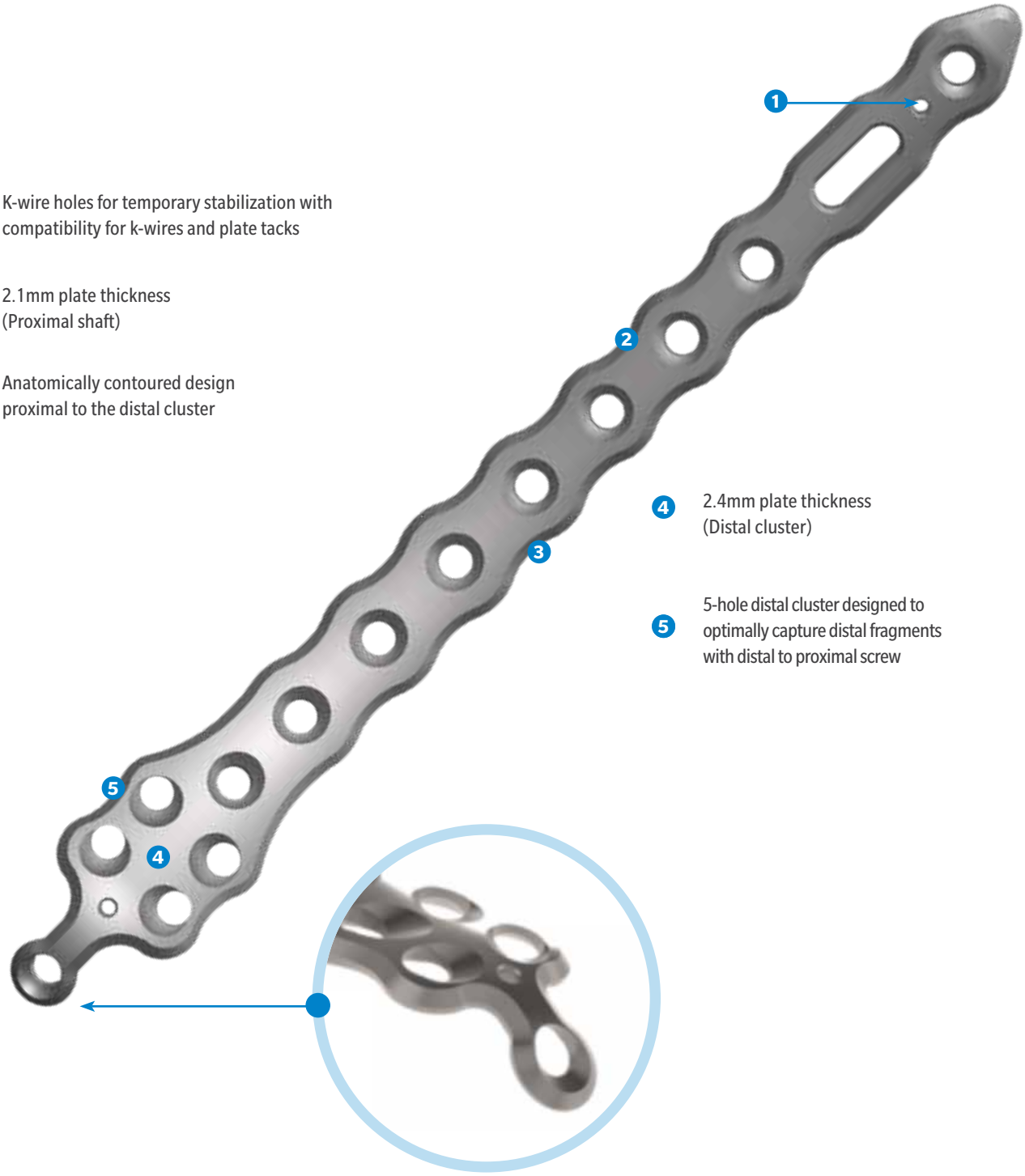
Distal Tibia Plating - **Medial Distal Tibia Plates**

- 6-, 10-, 12-, and 16-hole plates
- Left and right options

eXpansive Offering

Distal Tibia Plating - **Medial Distal Tibia Plates**

1. K-wire holes for temporary stabilization with compatibility for k-wires and plate tacks
2. 2.1mm plate thickness (Proximal shaft)
3. Anatomically contoured design proximal to the distal cluster
4. 2.4mm plate thickness (Distal cluster)
5. 5-hole distal cluster designed to optimally capture distal fragments with distal to proximal screw



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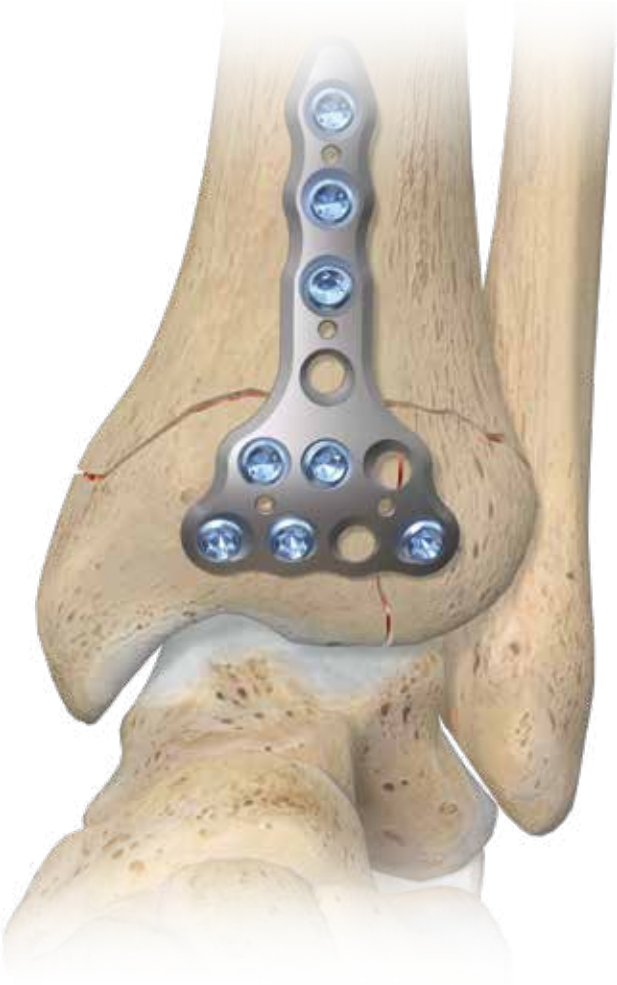
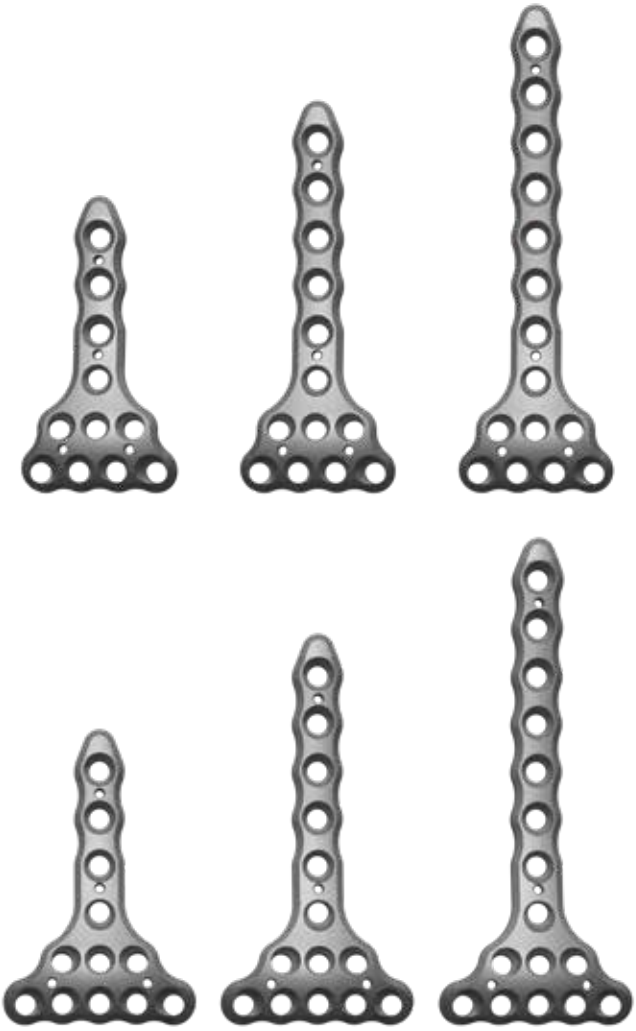
Distal Tibia Plating - **Anterior Distal Tibia Plates**



- 4-, 6-, and 8-hole plates
- Narrow and wide options



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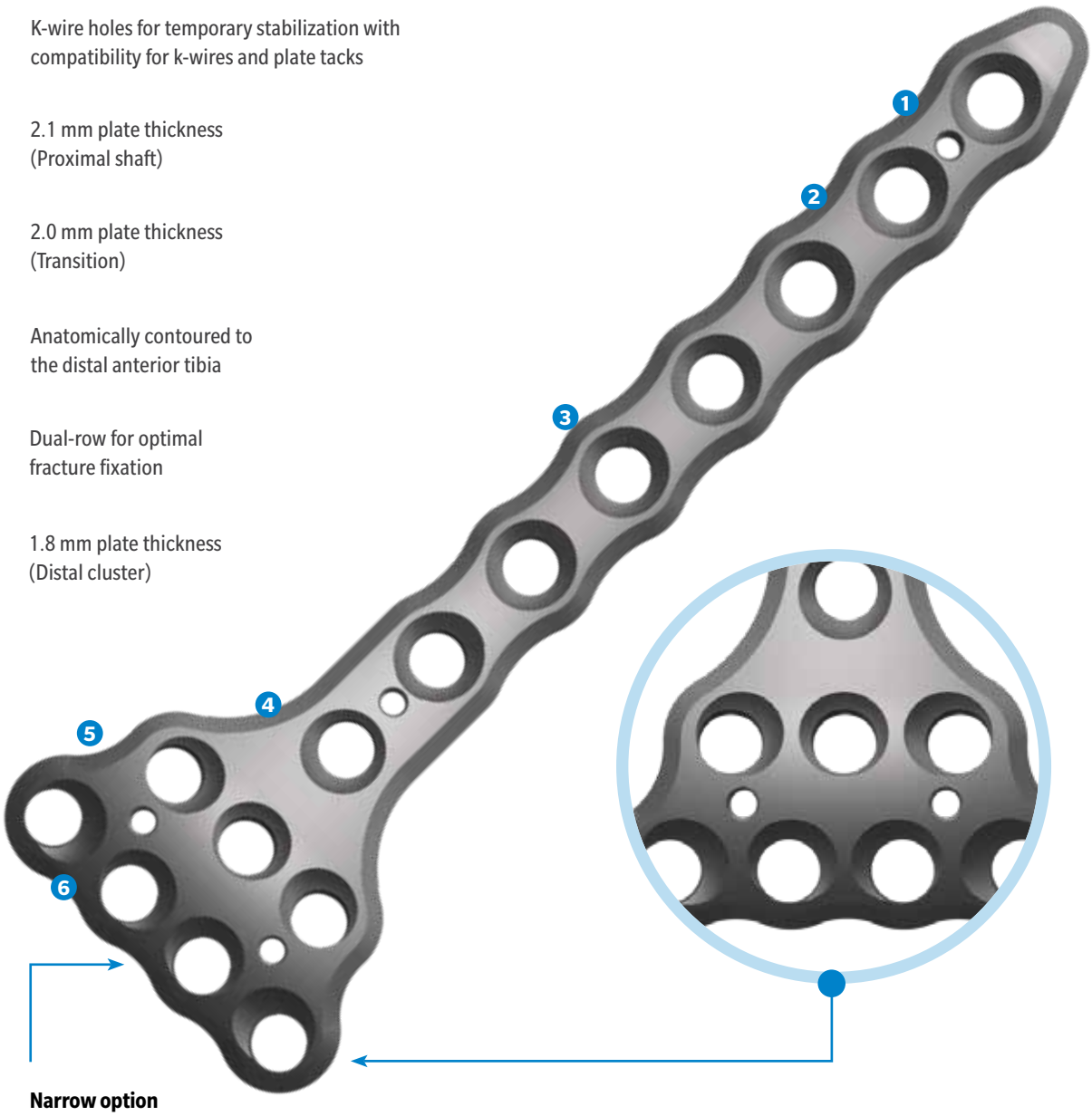
Distal Tibia Plating - **Anterior Distal Tibia Plates**

1. K-wire holes for temporary stabilization with compatibility for k-wires and plate tacks
2. 2.1 mm plate thickness (Proximal shaft)
3. 2.0 mm plate thickness (Transition)
4. Anatomically contoured to the distal anterior tibia
5. Dual-row for optimal fracture fixation
6. 1.8 mm plate thickness (Distal cluster)

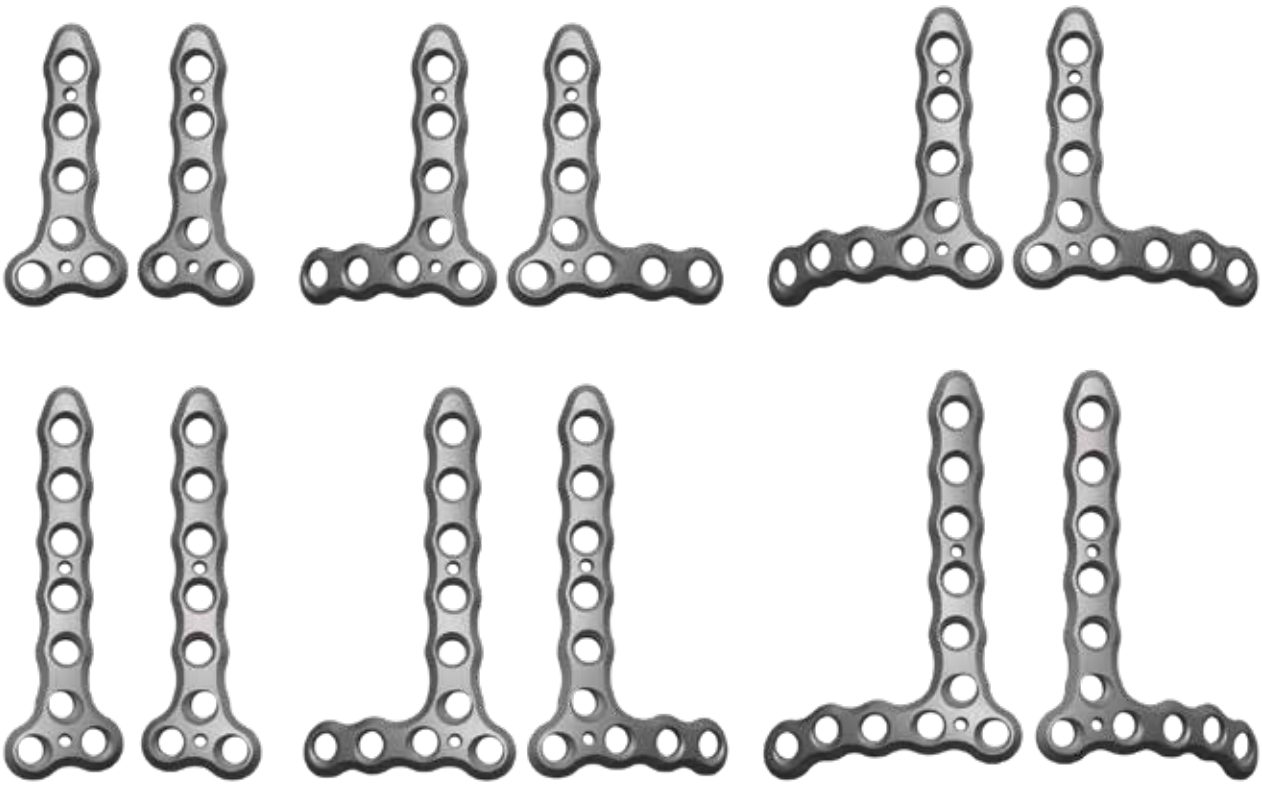


Narrow option
Narrow (7-hole distal cluster) and wide (9-hole distal cluster) options, designed for optimal capture of distal fracture fragments

eXpansive Offering

Distal Tibia Plating - **Posterolateral Distal Tibia Plates**

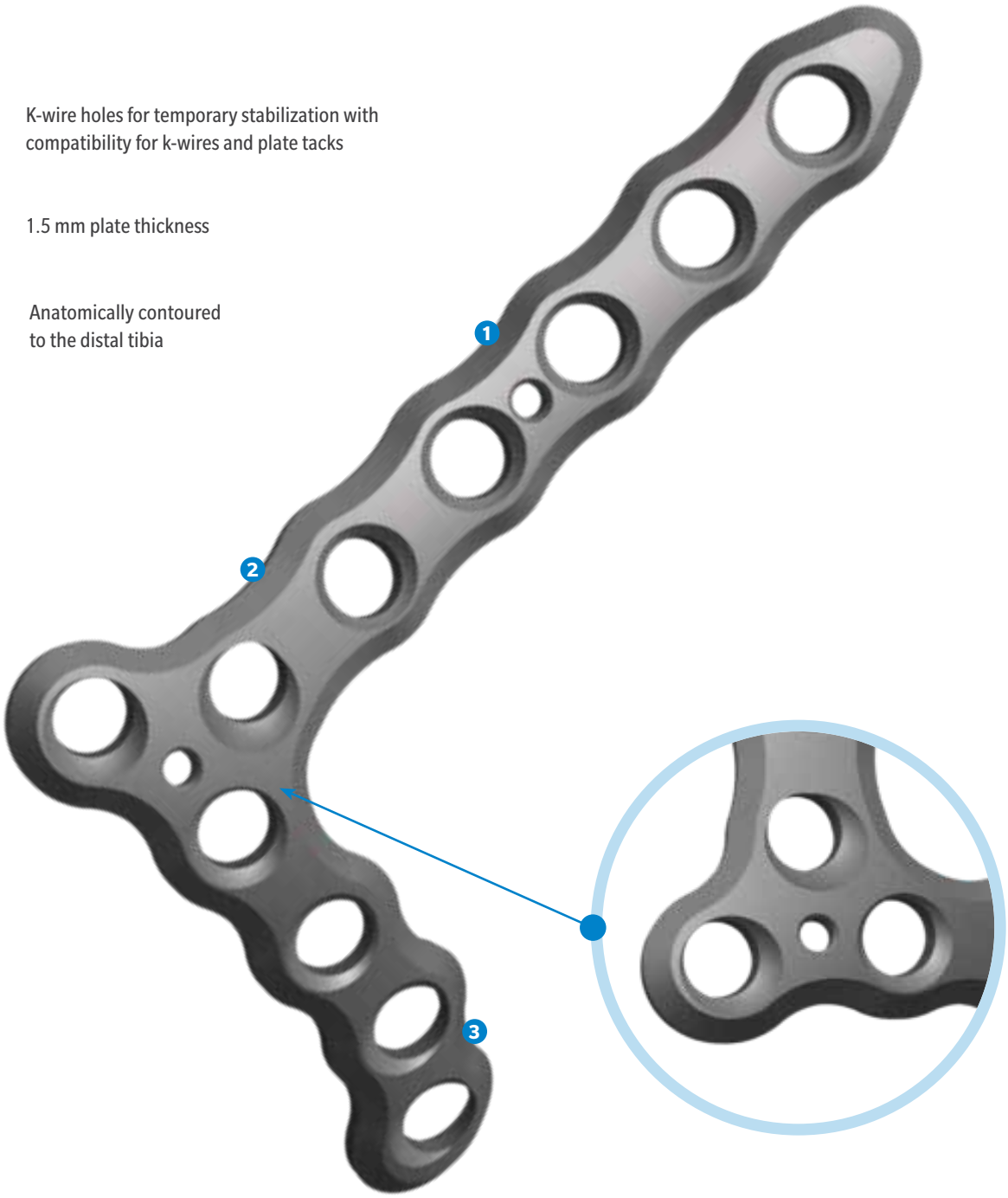
- 4-hole proximal shaft
  (2-, 4-, and 5-hole distal cluster options)
- 6-hole proximal shaft
  (2-, 4-, and 5-hole distal cluster options)
- Left and right options



eXpansive Offering

Distal Tibia Plating - **Posterolateral Distal Tibia Plates**

1. K-wire holes for temporary stabilization with compatibility for k-wires and plate tacks
2. 1.5 mm plate thickness
3. Anatomically contoured to the distal tibia



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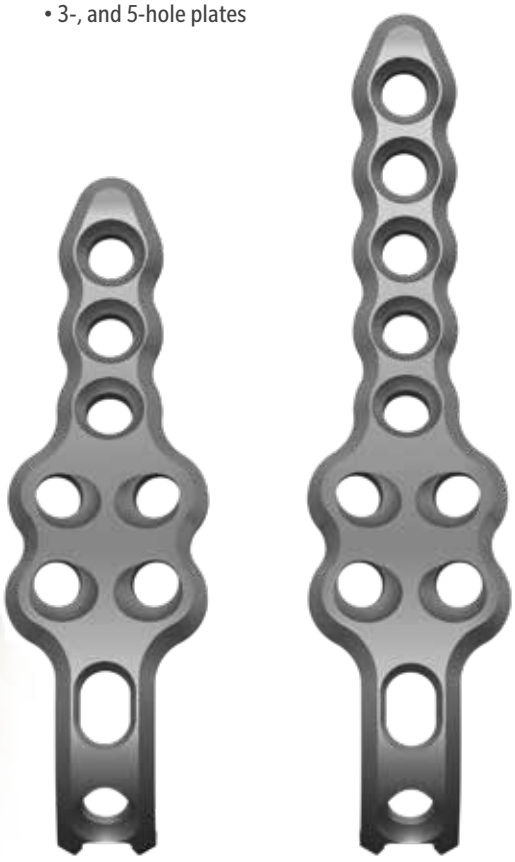
Distal Tibia Plating - **Medial Malleolus Distal Tibia Hook Plates**

• 3-, and 5-hole plates



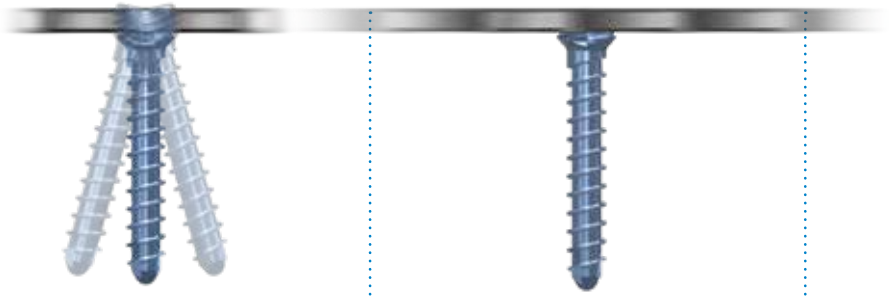
Distal Tibia Plating - **Medial Malleolus Distal Tibia Hook Plates**

1. 1.8 mm plate thickness
2. Hook tines designed to support medial distal tibia fragments
3. Distal screw hole allows for distal to proximal screw fixation
4. Anatomically contoured to the distal medial tibia

NOTE: The slot distal to the distal cluster of screw holes is not intended for screws. Do not insert a screw into this slot.

Screw Options

The A.L.P.S. mvX Ankle Fracture System utilises low-profile non-locking along with variable angle locking screws. The variable angle locking screws, which are available in 2.7 and 3.5 mm, provide a 30° cone of angulation created to achieve optimal screw placement while minimising soft tissue irritation. The locking screws are designed to withstand up to three insertions without damaging the integrity of the locking mechanism, giving surgeons peace of mind and intraoperative flexibility[1].



Variable Angle Locking

- 30° cone of angulation
- Screw locks at 15° of angulation

Low Screw Head Prominence

- Off-axis locking screw with minimal screw prominence
- Non-locking screws with minimal prominence

Multiple Screw Insertions

- Up to 3 insertions without loss of locking

2.7mm Diameter Screws

3.5mm Diameter Screws

4.0mm Diameter Screws

Screws are offered in 10-100 mm lengths

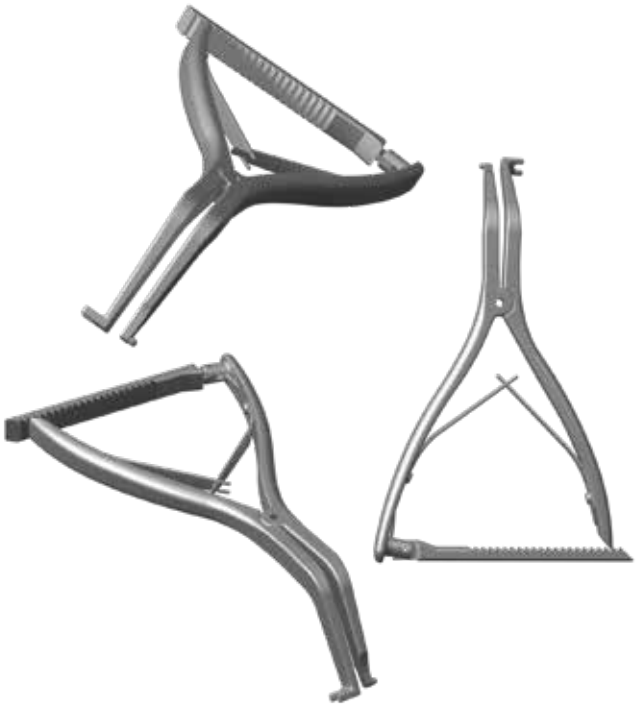
Specialized Instrumentation

Plate/Hook Tamps

- Designed for provisional fracture reduction
- Act as drill and targeting guide to position the hook plate in desired location

Plate Distractor

- Special design to plate distractor to to allow for restoration of length, rotation and alignment
- Commonly used where there is soft tissue contraction around the fracture



Trusted Partner

Zimmer Biomet supports surgeons with the mission to restore mobility, alleviate pain and improve the quality of life for their patients. We do this by partnering with surgeons to develop cutting edge technologies that drive efficiency and improve the surgical experience for patients and their care teams. Providing a comprehensive product offering that extends across the trauma portfolio to address a wide variety of traumatic injuries, we are proud to introduce our newest solution that was designed to deliver on this promise, A.L.P.S. mvX™.

Welcome to a new era of unparalleled versatility and efficiency

Contact your local Zimmer Biomet representative and learn how we can become **your trusted partner.**

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References

1. A.L.P.S. mvX Plating System Fatigue Assessment. 4831.1-US-en-Issue Date 2024-07.
2. TR-202360-A X25-05 ZB Plate Locking Mechanism Testing Report approved

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