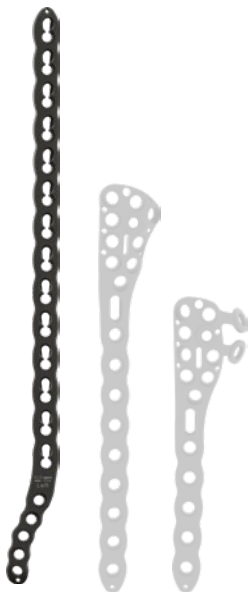


Pangea™

Distal Humerus Plate

Design rationale



Pangea Distal Humerus Plate

Design rationale



Increased proximal plate thickness

Designed to provide robust humerus shaft fixation

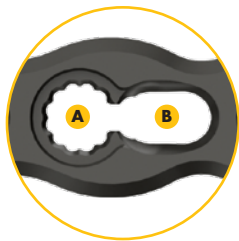
2.0mm proximal K-wire hole

Designed to provide temporary fixation

Rounded and tapered end

Designed to allow for smooth insertion under the soft tissue

Waisted scalloped shape



Hybrid LC Holes

Allows up to 2mm of compression per hole or can be used for a variable angle locking screw

A: Universal: For locking or non-locking screws

B: Compression: For non-locking screws only



Variable-angle screw holes

Circular holes that accommodate screws are universal; accepting non-locking screws and locking screws within a 30° cone

Distal 2.0mm K-wire hole

Points into the center of the capitellum to ensure correct plate placement and reduce the potential for impingement

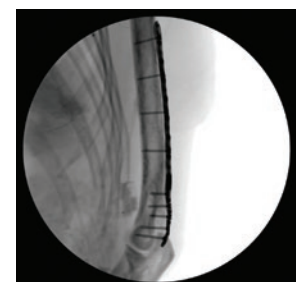
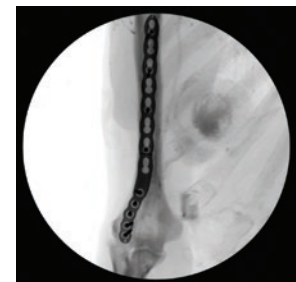


Plate placement



- The distal portion of the plate should be placed lateral to the trochlea and the olecranon fossa on the posterior aspect of the distal humerus
- Fixed angle drill sleeve may be used as a handle for control of plate placement and positioning¹

Pangea Distal Humerus Plate X-rays*



*Pangea Distal Humerus Operative Technique

Pangea Distal Humerus Plate

Design rationale

stryker

Fit

- Plate was designed using SOMA analytics to improve anatomic fit and reduce the potential for impingement with the radial head in full extension²
- Plate extends further distally than competitive systems such as Synthes and Skeletal Dynamics, further increasing the distal fixation by increasing the working length of the plate²



Technical specifications

- Plate Lengths: 4-14 holes (130-300mm)
- Thickness: 4.2mm proximally, 2.0mm distally
- Left and right anatomic plate options
- **Drill bits:**
 - Ø2.5mm x 135mm (542020)
 - Ø2.5mm x 215mm (542021)



Clinical corner

A maximum of 2mm of compression per hole, provides surgeons the ability to achieve more compression with fewer screws.

Screw platform

Multiaxial locking	3.5		10-120mm
	3.5		10-120mm
Cancellous	3.5		10-120mm
	4.0		10-100mm
Cable plug washers	4.0		10-100mm

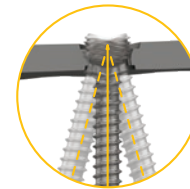


Predetermined trajectory



Screws in the predetermined screw trajectory

Variable angle trajectory



Screw trajectories using variable angle locking to obtain the widest allowable screw trajectory

References:

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

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