

Pangea®

Femur Reconstruction System

Medial NPC Plate

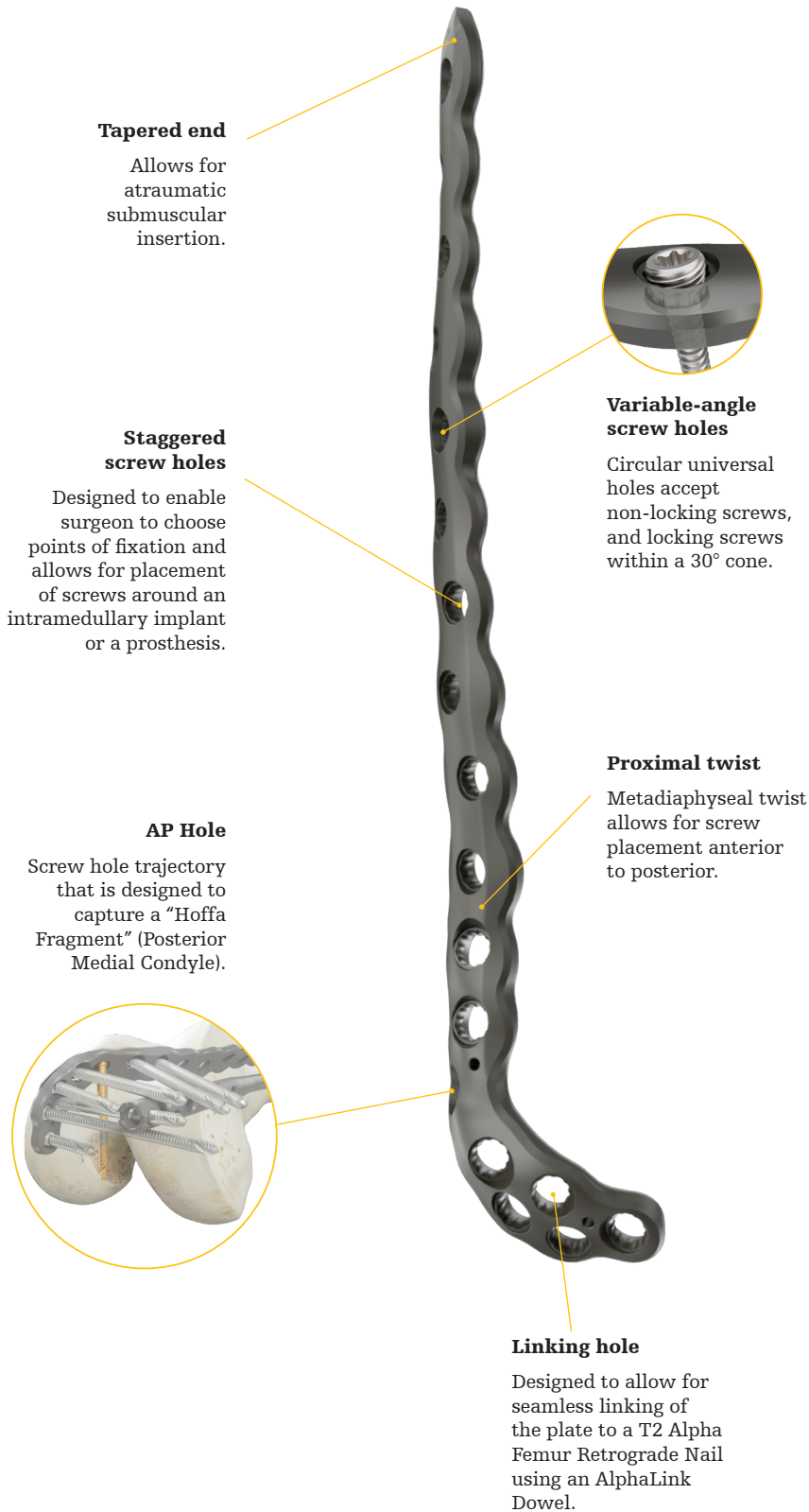
Design rationale



Pangea Femur Reconstruction System



Medial NPC Plate design rationale

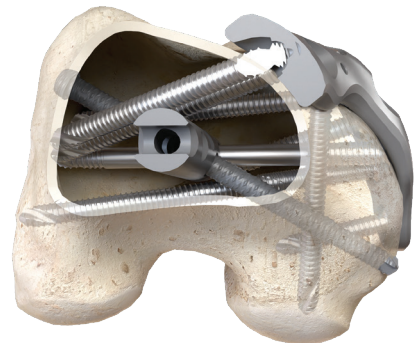


Metaphyseal screw trajectories

The distal screw cluster provides versatile screw options to allow for metaphyseal fixation for both native and periprosthetic fractures.



When the plate is connected to a T2 Alpha Femur Retrograde Nail via an AlphaLink Dowel, the nominal screw trajectories of the metaphyseal cluster are designed to avoid interference with the nail construct.



At their nominal trajectories, three of the metaphyseal screws will be anterior to the nail with the other metaphyseal screw being posterior to the nail.

Pangea Femur Reconstruction System



Medial NPC Plate design rationale

Dedicated implants and instrumentation

AlphaLink Dowel (a)

These dowels are used to link the system's medial plates to a T2 Alpha Femur Retrograde Nail. Cobalt Chrome dowels feature a smooth central shaft to reduce potential friction with the nail, threaded near and far ends to engage cortical bone, and form a definitive plate-dowel interface in the dedicated linking holes of the plate by engaging the titanium of the plates.

AlphaLink Instrumentation (b)

A dedicated pilot drill, drill sleeve, and tissue protection sleeve interface with the T2 Alpha Femur Retrograde targeting device to guide placement of AlphaLink Dowels.



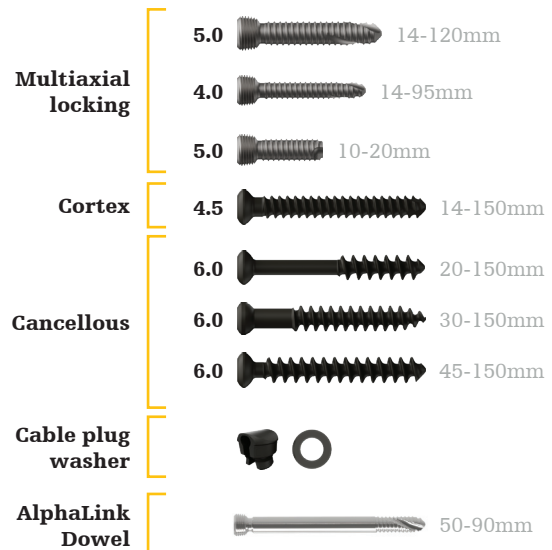
Fit and applications

- Designed with SOMA (Stryker Orthopedics Modeling and Analytics) which includes a database with CT scans from hospitals across the world and state of the art algorithms that analyze shape variability, bone density, and implant fit.¹
- Designed to link with the T2 Alpha Femur Retrograde Nail when using nail plate combination fixation.
- Linked constructs have increased fatigue strength compared to nailing alone.²
- In addition to linking with nail, implants can be used for stand-alone plating cases.
- Plates may be used as medial based fixation for metadiaphyseal fractures that extend into the shaft as well as large bone defects, and nonunions.
- May be used in periprosthetic fractures around existing femoral components.

Technical specifications

- Plate material: Type II anodized titanium (Ti6Al4V)
- Two plate lengths: 155mm and 265mm
- Plate thickness: 5mm
- Left and right anatomic options

Screw platform



References:

1. Internal Report No D0000395484, Rev AA
2. Internal Report No D0000370040, Rev AB

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Manufacturer:

Stryker GmbH
Bohnackerweg 1
2545 Selzach, Switzerland

stryker.com