

EXTREMILOCK™

Ankle Fusion Plating System



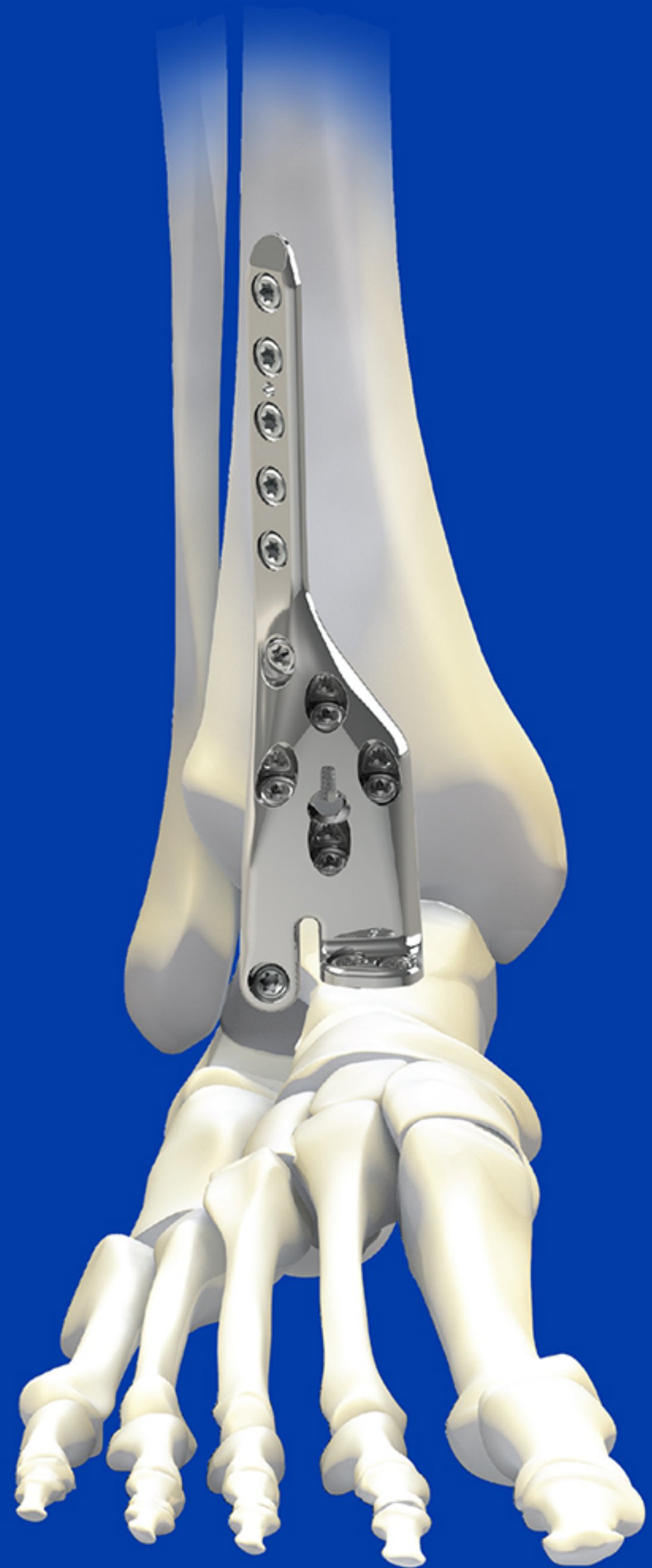
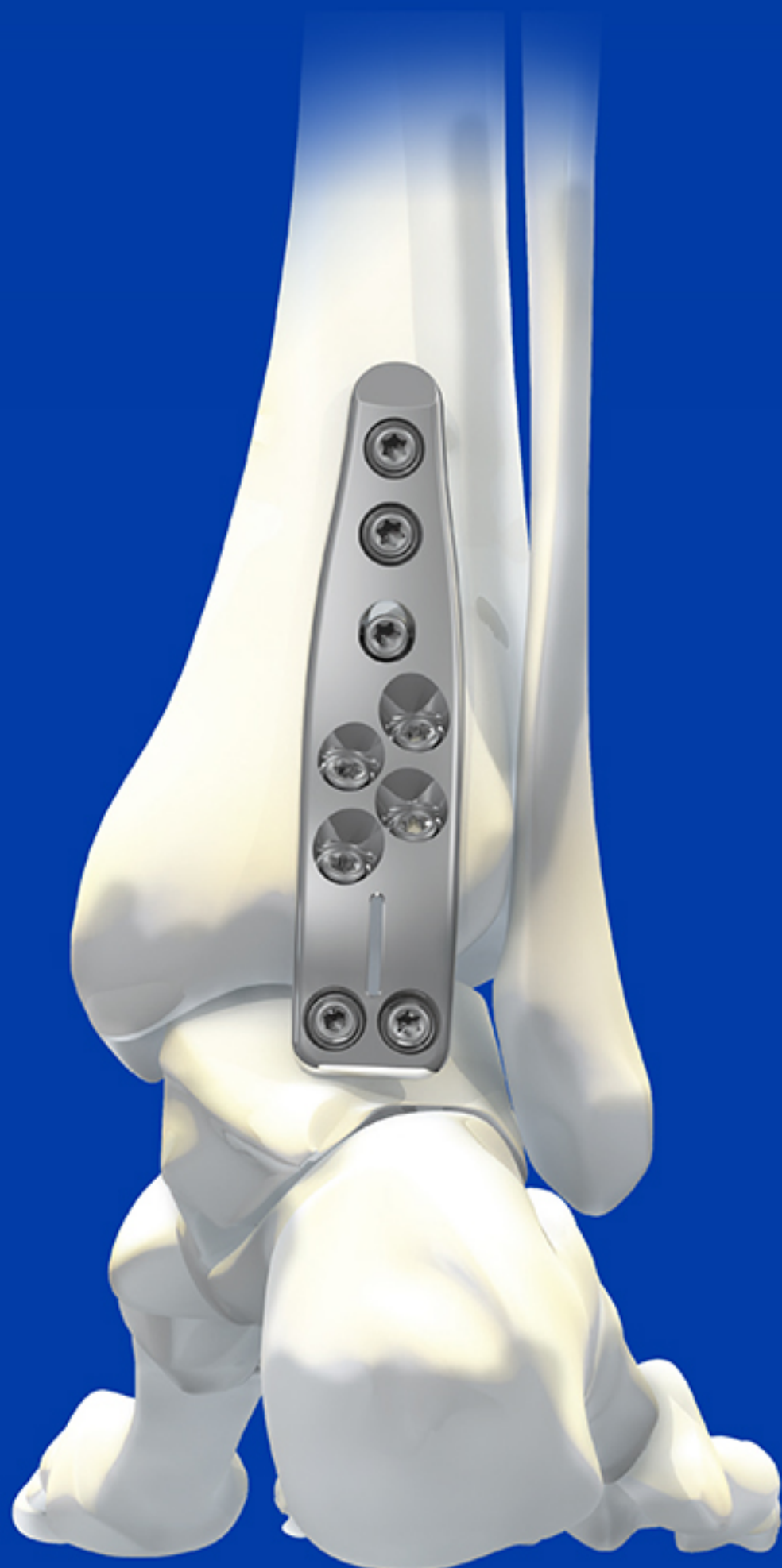
Rethinking Possibilities, Reshaping Lives

INTRODUCTION

The ExtremiLOCK Ankle Fusion Plating System is a comprehensive implant system designed to accommodate both anterior and posterior approaches. The fusion system is a component of the ExtremiLOCK Ankle Fracture Plating System, which consists of six different types of fracture plates.

Collectively, the ExtremiLOCK Fracture and Fusion Plating Systems offer:

- 2** Fusion Plating Options
- 6** Types of Fracture Plating Options
- 7** Types of Screw Fixation Options



INDICATIONS

The OSTEOMED ExtremiLOCK Ankle Plating System is intended for fixation of fractures, arthrodesis, osteotomies, and nonunions of the tibia and fibula. The ExtremiLOCK Ankle Plating System implants are intended for single use only.

System Advantages

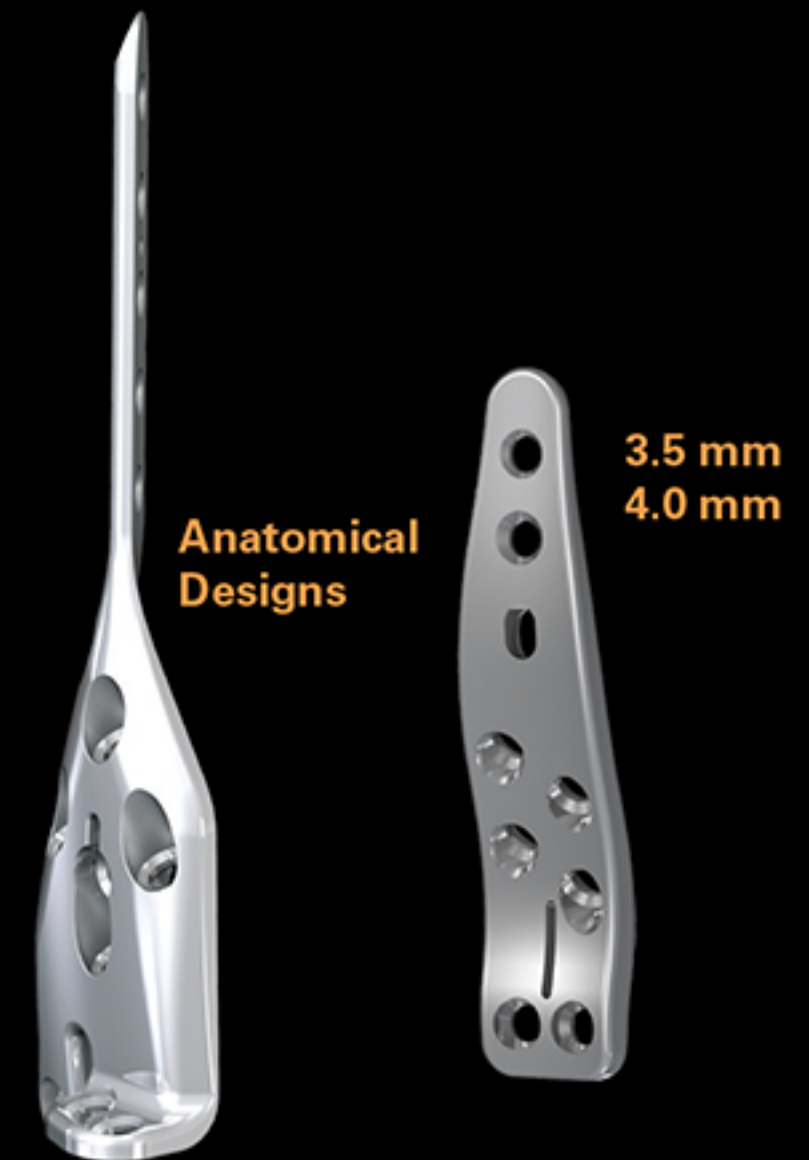
Innovative Screw Technology

3.5mm and 4.0mm cortical locking* and non-locking screws, as well as 4.0mm cancellous non-locking, cannulated screws accompany the system. All screws feature a double-lead thread pattern, a hexalobe drive mechanism and are self-tapping to promote efficient bony purchase. The 4.0mm cannulated screws also incorporate a self-drilling feature to facilitate screw insertion.



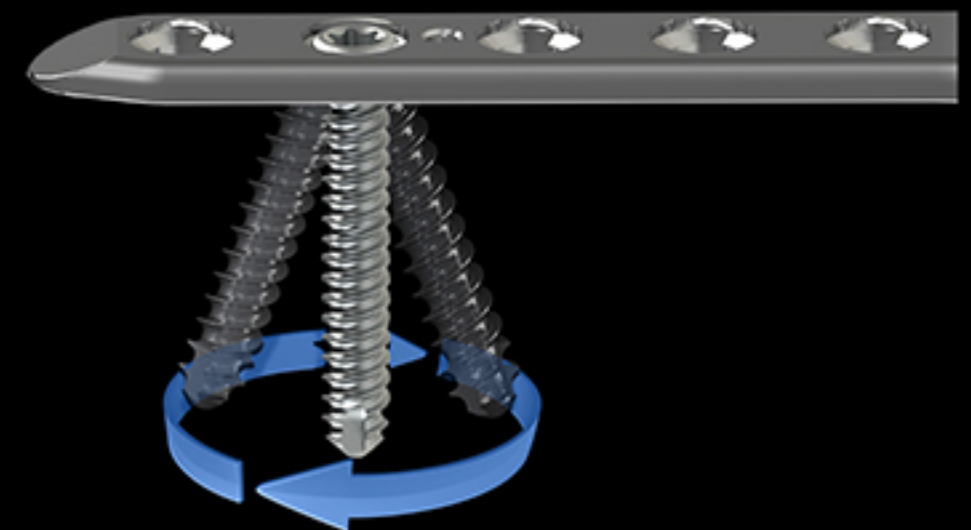
Anatomic Plate Designs

ExtermiLOCK ankle plates are designed to match the contour of the bony anatomy. Bulleted and chamfered tips assist with submuscular plate insertion, soft rounded edges and a highly polished surface minimize any soft tissue irritation.



Universal Screw Holes

Each circular plate hole can accommodate any diameter locking and non-locking screw, thus expanding fixation options to capture various sized bony fragments.



40° Polyaxial Locking

Angled-Locking

Locking screws can be locked on-axis with the plate threads or up to 20 degrees of angled-locking in any direction (40 degree conical). Screws can be locked and unlocked up to three times without sacrificing the integrity of the plate/screw interface.

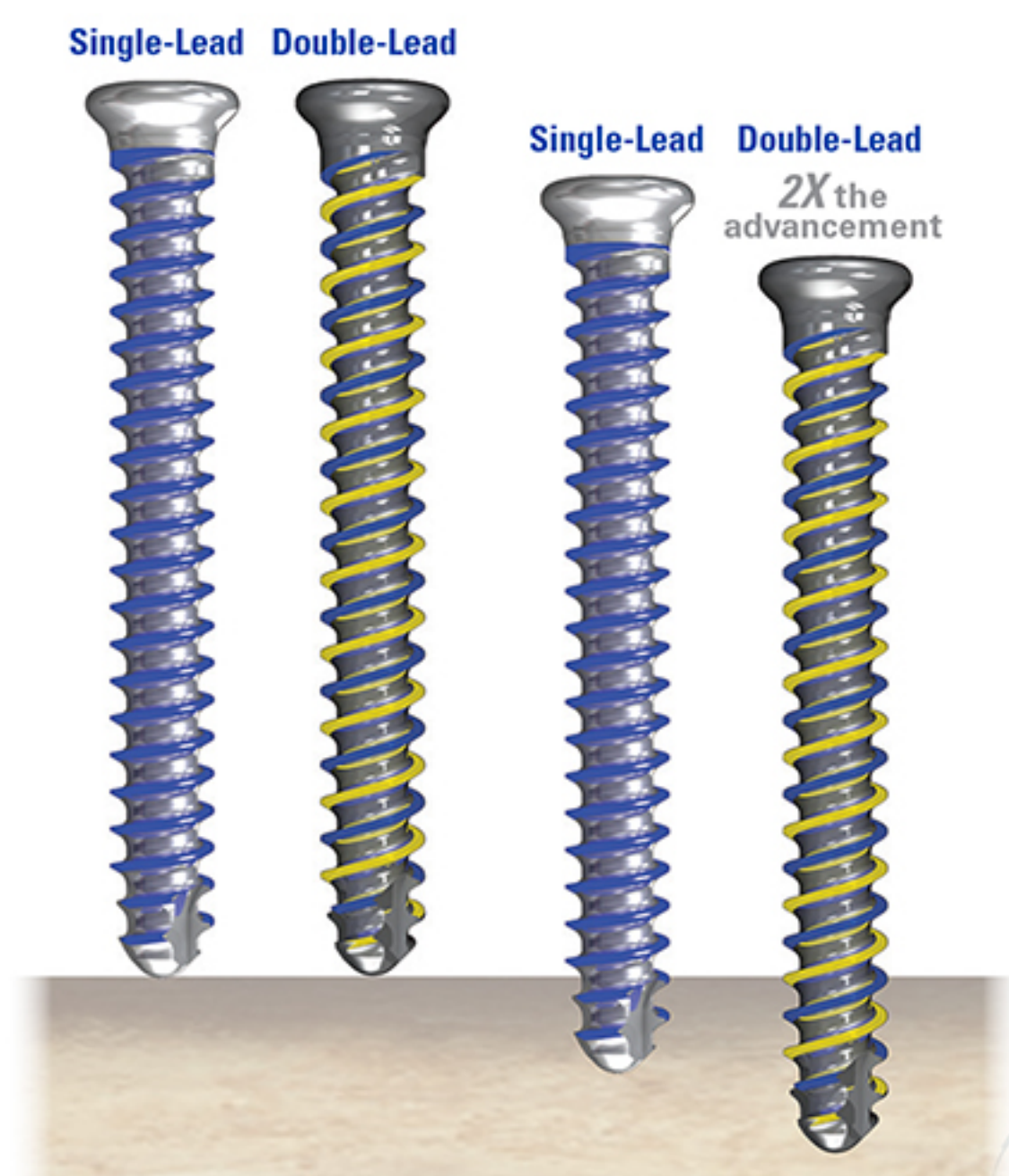
Comprehensive Instrumentation

The ExtermiLOCK instruments feature a color-coding system to increase O.R. efficiency. In addition, the system includes instrumentation to assist with soft tissue management, bone and plate manipulation as well as screw insertion.



*Patent No.: US 8,906,076

MECHANICAL PERFORMANCE

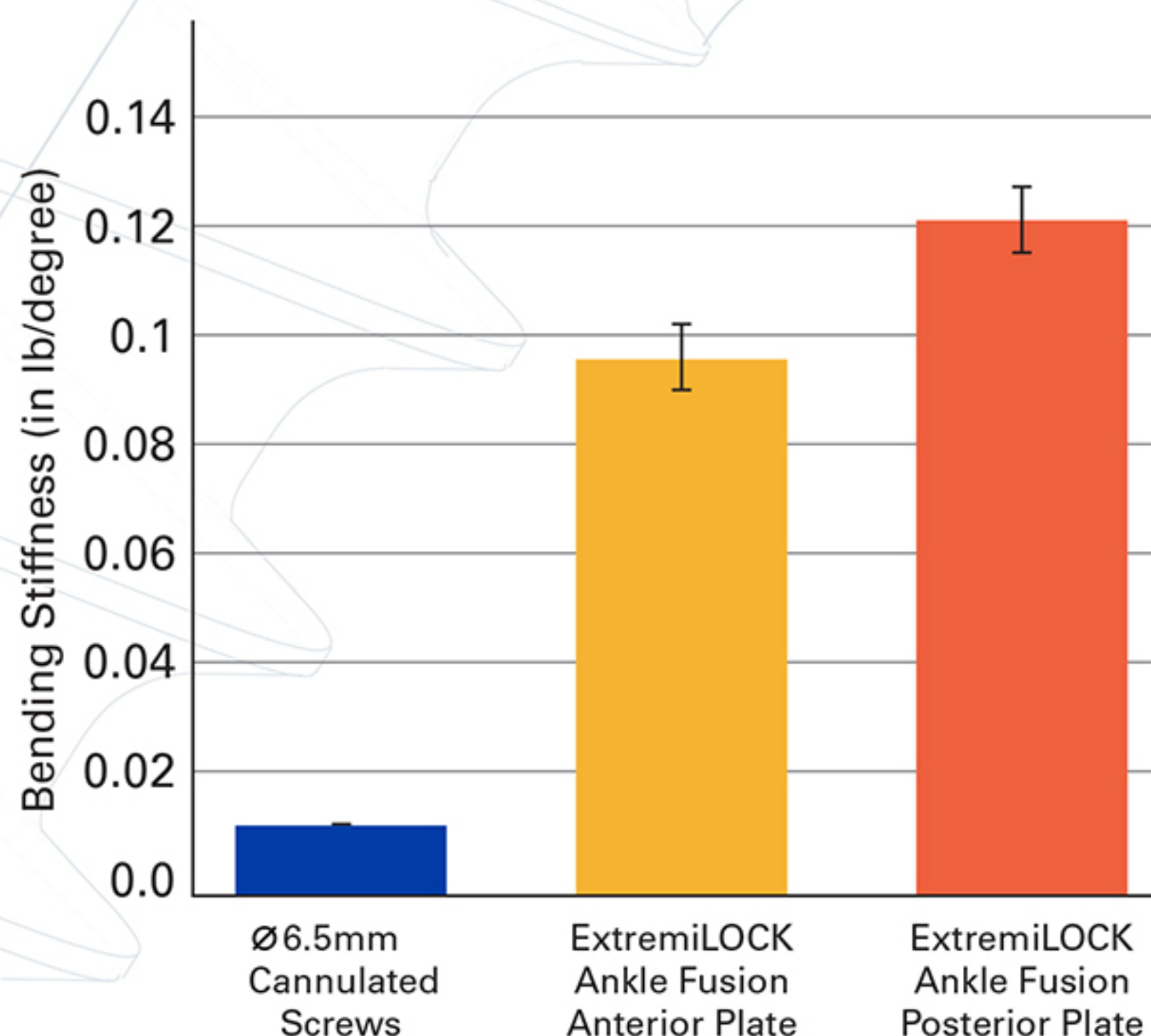


DOUBLE-LEAD SCREW TECHNOLOGY*

The ExtremiLOCK Ankle Fusion Plating System features double-lead screw technology. All locking, non-locking and cannulated screws have an additional screw thread that spans the length of the screw shaft. This additional thread allows each screw to advance twice as fast when compared to a traditional single-lead screw. In addition, the pull-out strength of a double-lead screw is not compromised and is equivalent to a traditional single-lead screw.

BENDING STIFFNESS*

The ExtremiLOCK Ankle Anterior and Posterior Fusion Plates have superior mechanical properties when compared to large cannulated screws. Mechanical testing has shown that when two fragments are joined from either an anterior or posterior approach, the ExtremiLOCK Ankle Fusion plating constructs demonstrated significantly higher bending stiffness when compared to Ø6.5mm cannulated screws.

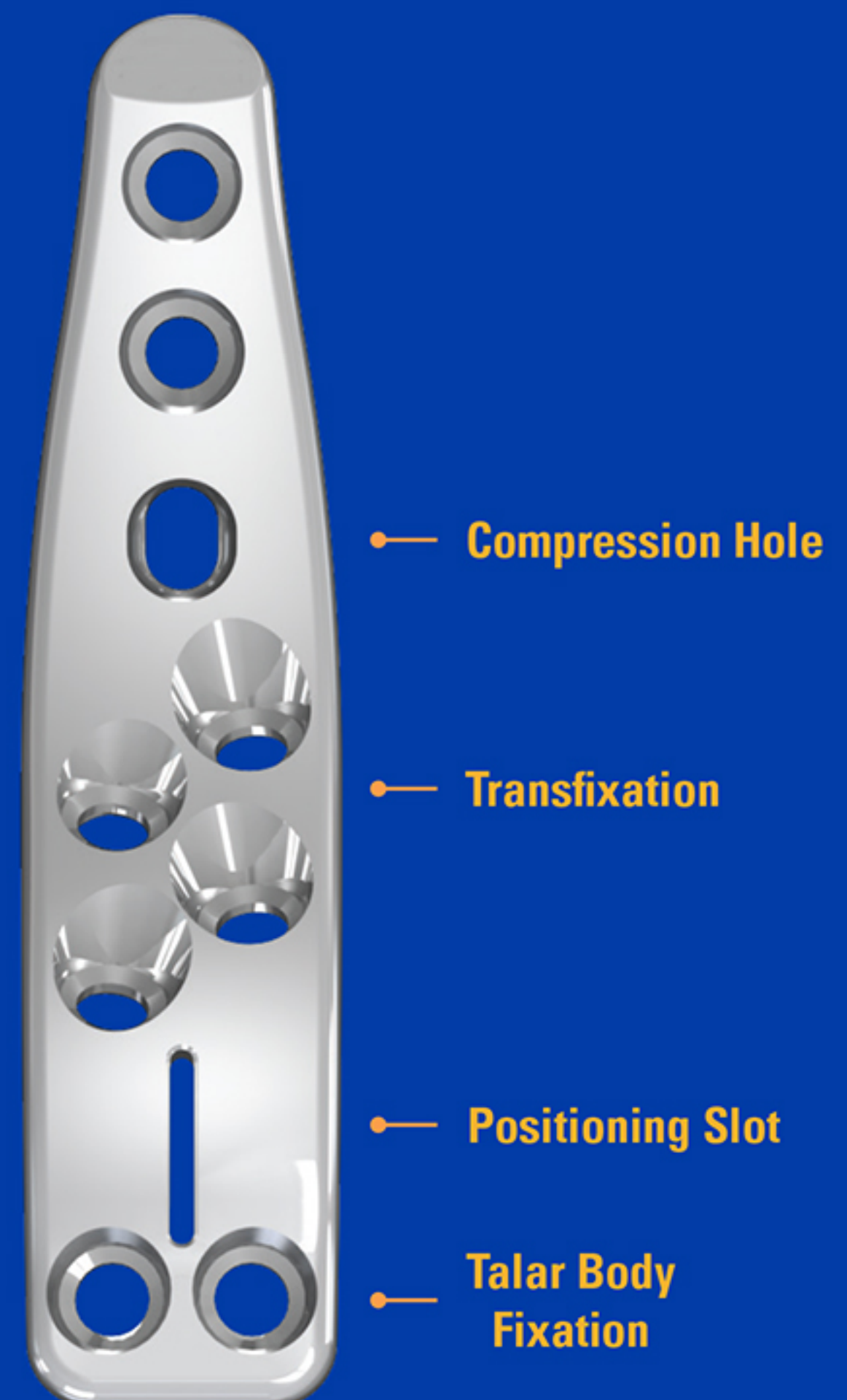
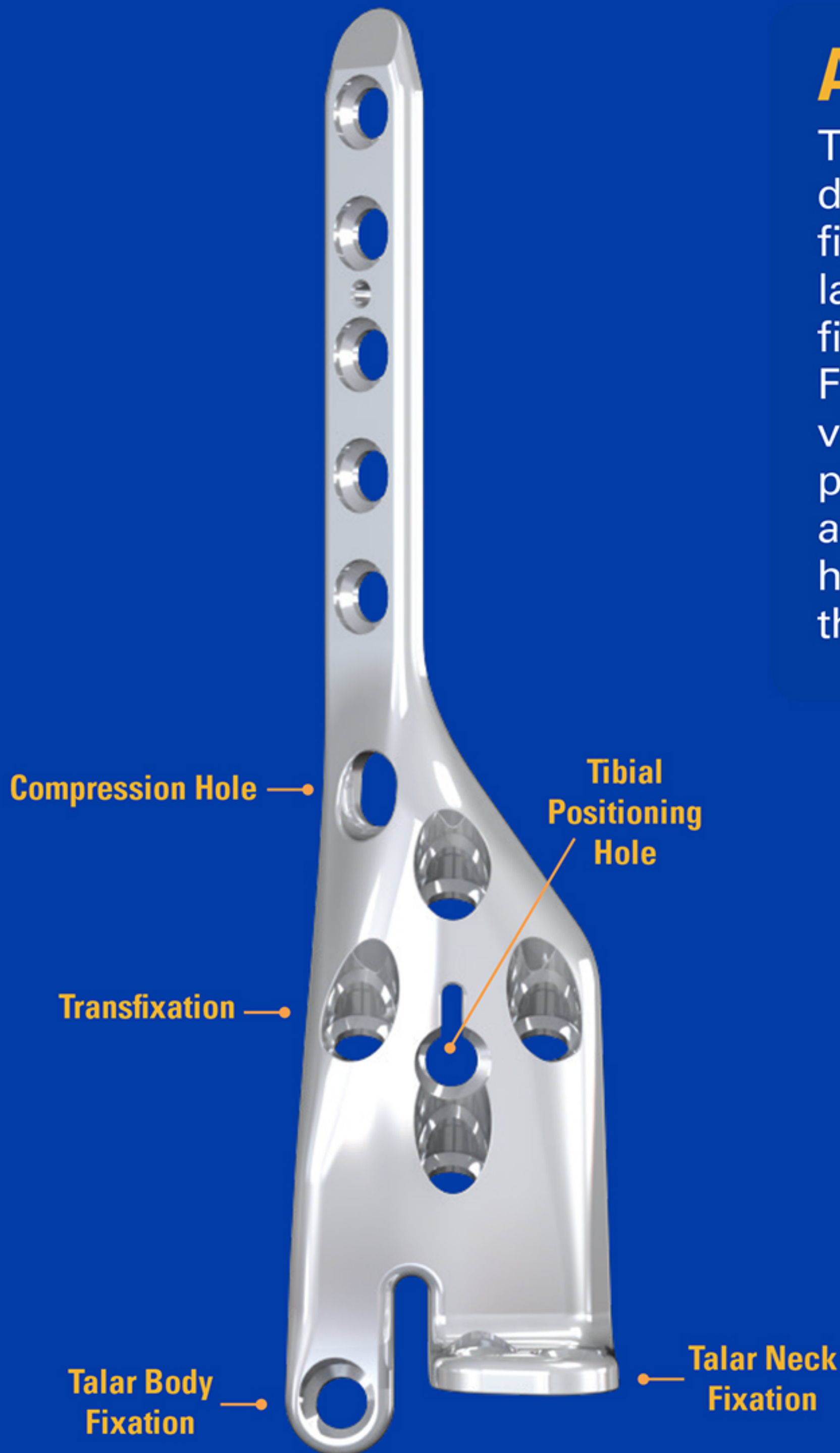


*Data on file at OsteoMed

PLATE OFFERING

ANTERIOR FUSION*

The Anterior Plate features distal medial screw holes for fixation into the talar neck and a lateral screw hole for additional fixation into the talar body. Fixation rigidity is increased via transfixation screws which provide fixation between the tibia and talus. The tibial positioning hole allows anterior translation of the tibia relative to the talus.



POSTERIOR FUSION*

The Posterior Fusion plate features distal screw holes for fixation into the talar body. Transfixation screws provide rigid fixation between the tibia and talus. The positioning slot allows optimal proximal/distal plate positioning.

OsteoMed Products



ExtremiLOCK Ankle Plating System



ExtremiLOCK Foot Plating System



ExtremiFix Headless Cannulated Screws



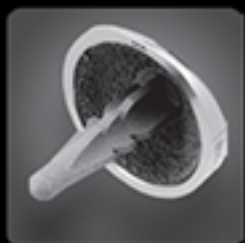
ExtremiFix Cannulated Screws



Large Cannulated Screws



ExtremiFuse



EnCompass



EnCompass Lessers



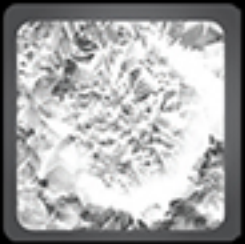
Hemi



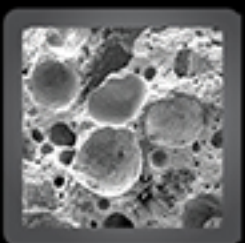
ReFlexion



Talar-Fit



OsteoVation EX



OsteoVation QWIK



Comprehensive Allograft Offering



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