LOWER EXTREMITY PLATING SYSTEM

The
 Equation for Ankle Fixation

Leonard of Pisa, better known as Fibonacci, made revolutionary contributions to the mathematical world in the 13th century. The patterns that emerged from Fibonacci's sequence also impacted all of nature and the biophysical world, especially the orthopaedic trauma industry.

Fibonacci did not invent the mathematical problem he solved, but his solution, the Fibonacci sequence will forever provide a solution to the problem. In much the same way, AOS's Fibonacci Lower Extremity Fracture System provides the solution to distal tibia and fibular fractures.


This same Golden Ratio is evident in the bony anatomy of the human body and is always. the same. AOS applied Fibonacci's equation in the design of the pre-contoured plates of the Fibonacci Ankle Plating System, resulting in greater anatomical accuracy and superior fit.

Fibonacci Equation
creates the ideal
proportions of the
Metaphyseal curve

## Design Rationale

## Why: "Plates That Fit"

## 3 axis of correction

The $\mathrm{X} / \mathrm{Y} / \mathrm{Z}$ creates a template for the specific contours of the bone. These contours and ratios allow variation in scaling for more accurate proportions.

## Design Rationale

 How: "Plates That Fit"

## Specialty Plates



## Posterior Distal Fibula

 and Distal Tibia TechniquePlates are anatomically contoured to fit posterior distal fibula and posterior distal tibia to facilitate prone posterior technique.

Medial Malleolus Fixation:

## Multiple options,

 one system"Any screw, any hole"


Syndesmosis slots: Anatomically orientated $30^{\circ}$ anteriorly for optimal screw placement.


*Special Request Only


## Screws

Screw Options to capture every fragment: with an extensive screw selection, the Fibonacci system is setup to help fix the most difficult of fractures.

- $2.4 \mathrm{~mm}, 2.7 \mathrm{~mm}, 3.5 \mathrm{~mm}$ and 4.0 mm non locking options
$\cdot 2.7 \mathrm{~mm}$ and 3.5 mm variable angle locking options
- 3.5 mm cannulated headless compression
- 4.0 mm solid and cannulated screw available in two thread lengths: $50 \%$ thread, $25 \%$ thread

Variable Angle Locking
Technology: Locking holes in each plate accommodate variable angle locking in a $30^{\circ}$ cone utilizing 2.7 mm and 3.5 mm variable angle locking screws.


Angled


## Variable Angles

Screw heads sit flush with top surface of plate, minimizing prominent hardware and the potential for tissue irritation.


Instrument Trays


## Specialty Plates



## Universal Plates



## Screws




