Fibonacci Lower Extremity Plate Reference
Distal Tibia and Fibula Anatomy

- Tibia
- Fibula
- Lateral malleolus
- Medial malleolus
- Capsule of ankle joint
- Shaft of the Fibula
- Shaft of the Tibia
- Posterior border
- Groove for tendon of tibialis posterior
- Fibula notch of tibia
- Lateral Malleolus
- Medial malleolus
Fracture Type: Extra Articular

Plates:
- Posterior Distal Tibia Plate
- Medial Pilon Plate
- Anterolateral Distal Tibia Plate
- Anterior Distal Tibia Plate
- L-Plate
- Oblique T-Plate
- Straight Plate
- Semi-tubular Plate

Plate Screws:
- 2.4mm
- 2.7mm
- 3.5mm
- 4.0mm

Non-Plate Screws:
- 3.5mm
- 3.5mm
Fracture Type: Partial Articular

Plates:

- Posterior Distal Tibia Plate
- Medial Pilon Plate
- Anterolateral Distal Tibia Plate
- Anterior Distal Tibia Plate
- Straight Plate
- Semi-tubular Plate

Plate Screws

- 2.4mm
- 2.7mm
- 3.5mm
- 4.0mm

Non-Plate Screws

- 3.5mm
- 3.5mm
Fracture Type: Complete Articular

Articular Simple

Articular Simple, metaphyseal, multi-fragmentary

Articular Multifragmentary

Plates:

Posterior Distal Tibia Plate

Medial Pilon Plate

Anterolateral Distal Tibia Plate

Anterior Distal Tibia Plate

L-Plate

Oblique T-Plate

Anterior Cortical Rim

2 and 3-hole T-Plate

Non-Plate Screws

Plate Screws

2.4mm

2.7mm

3.5mm

4.0mm

2 and 3-hole T-Plate
Fracture Type: Infra-Syndesmotic

Plates:

- Posterior Distal Fibula Plate
- Lateral Distal Fibula Plate
- Distal Hook Plate

Plate Screws

- 2.4mm
- 2.7mm
- 3.5mm
- 4.0mm

Non-Plate Screws

- 3.5mm
Fracture Type: Supra-Syndesmotic

Plates:
- Posterior Distal Fibula Plate
- Lateral Distal Fibula Plate
- Distal Hook Plate

Plate Screws:
- 2.4mm
- 2.7mm
- 3.5mm
- 4.0mm

Non-Plate Screws:
- 3.5mm
- 3.9mm
Fibonacci Plate Layout

The Natural Equation for Ankle Fixation