<table>
<thead>
<tr>
<th>Anatomy</th>
<th>Fracture</th>
<th>Implant</th>
</tr>
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<tbody>
<tr>
<td>Fibula</td>
<td>Transverse</td>
<td>Ankle Hook Plate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Semi-Tubular Plate</td>
</tr>
<tr>
<td></td>
<td>Oblique</td>
<td>Sidewinder Plate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cluster Plate</td>
</tr>
<tr>
<td></td>
<td>Comminuted</td>
<td>Semi-Tubular Plate</td>
</tr>
<tr>
<td>Tibia</td>
<td>Transverse</td>
<td>Medial Malleolar Sled</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ankle Hook Plate</td>
</tr>
<tr>
<td></td>
<td>Vertical</td>
<td>4.0mm Cannulated Compression Screw</td>
</tr>
<tr>
<td>Tibia/Fibula</td>
<td>Syndesmosis Injury</td>
<td>4.0mm Cortical Screw</td>
</tr>
</tbody>
</table>

All implants made from surgical grade stainless steel
**Sidewinder Plate**

Double antiglide plate with opposing compression tabs eliminate need for lag screws

**Typical uses:**
- Short oblique fibula fractures

**Sizes:**

<table>
<thead>
<tr>
<th></th>
<th>Lengths:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Hole</td>
<td>69mm</td>
</tr>
<tr>
<td>7 Hole</td>
<td>76mm</td>
</tr>
</tbody>
</table>

*Left & Right Plates*

*Narrow, Medium & Wide tab widths*

Compression tab for compression and anti-glide effect

Screw holes accommodate:
- Locking/non-locking cortical screws
- Cancellous screws
- Syndesmosis screws

Triple lead locking threads for ease of insertion

Slotted hole for use with Expander tool to distract or compress

(Position Plate  Insert Screws  Crimp Tabs  Final Fixation)
**Ankle Hook Plate**
Contoured plate with intramedullary tines for enhanced rotational stability

**Typical uses:**
- Lateral and medial malleolus fractures

**Sizes:**

<table>
<thead>
<tr>
<th>Number of Holes</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Hole</td>
<td>57mm</td>
</tr>
<tr>
<td>6 Hole</td>
<td>73mm</td>
</tr>
<tr>
<td>8 Hole</td>
<td>88mm</td>
</tr>
<tr>
<td>10 Hole*</td>
<td>118mm</td>
</tr>
<tr>
<td>12 Hole*</td>
<td>136mm</td>
</tr>
</tbody>
</table>

*Special Order

**Drill Seat Hooks Distract/Compress Final Fixation**
- Slotted hole for use with Expander tool to distract or compress (reference pg. 10)
- Offset screw holes to reduce stress risers

Screw holes accommodate:
- Locking/non-locking cortical screws
- Cancellous Screws
- Syndesmosis Screws

**Triple lead locking threads for ease of insertion**
**Intramedullary tines for increased rotational stability**

---

Drill  | Seat Hooks  | Distract/Compress  | Final Fixation
Cluster Plate
Contoured low profile plate with offset screw holes for biplanar load support and aiding in capturing small fragments

**Typical uses:**
- Distal fibula comminuted fractures

**Sizes:**

<table>
<thead>
<tr>
<th>Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Hole</td>
<td>92mm</td>
</tr>
<tr>
<td>8 Hole</td>
<td>116mm</td>
</tr>
<tr>
<td>12 Hole</td>
<td>171mm</td>
</tr>
</tbody>
</table>

**Slotted hole** for use with Expander tool to distract or compress (reference pg. 10)

**Triple lead locking threads** for ease of insertion

Screw holes accommodate:
- Locking/non-locking cortical screws
- Cancellous Screws
- Syndesmosis Screws

Offset screw holes to reduce stress risers

---

**Plate Position**

**Drill**

**Distract/Compress**

**Final Fixation**
Medial Malleolar Sled
Simple one-piece tension band combines surface and intramedullary fixation

**Typical uses:**
- Medial malleolus fractures
- Fixation of medial malleolar osteotomies

**Lengths:**
- 30mm
- 37mm
- 51mm*

*[Special Order]

---

**Offset cannulated sled legs aid insertion**

**Screw + Washer provides compression**

Ø 2mm legs reduce chance of iatrogenic fracture on small distal fragments

---

Drill  Seat Sled  Apply Washer  Final Fixation
**Semi-Tubular Plate**
Contoured plate with offset screw holes for greater load support

**Typical uses:**
- Distal / proximal long bone fixation

**Sizes:**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Hole</td>
<td>67mm</td>
</tr>
<tr>
<td>8 Hole</td>
<td>85mm</td>
</tr>
<tr>
<td>10 Hole</td>
<td>103mm</td>
</tr>
<tr>
<td>12 Hole*</td>
<td>150mm</td>
</tr>
<tr>
<td>15 Hole*</td>
<td>178mm</td>
</tr>
</tbody>
</table>

* Special Order

---

**4.0 Cortical Screw**
Low-profile, self-tapping screw for enhanced bone purchase

**Typical uses:**
- Syndesmosis fixation
- Posterior malleolar fixation

**Lengths:**
35-60mm (5mm incr.)

---

**4.0 Cannulated Compression Screw**
Low-profile, self-drilling, self-tapping screw for fracture fixations

**Typical uses:**
- Distal tibial metaphyseal fractures

**Lengths:**
35-60mm (5mm incr.)
<table>
<thead>
<tr>
<th>SCREWS</th>
<th>HEX2.7-XX</th>
<th>LCBS2.7-XX</th>
<th>HEX3.2-XX</th>
<th>LCBS3.2-XX</th>
<th>CAB3.8-XX</th>
<th>HEX4.0-XX</th>
<th>CCS4.0-XX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cortical Screw, 2.7mm</strong></td>
<td>10-20mm</td>
<td>10-20mm</td>
<td>08-40mm</td>
<td>08-24mm</td>
<td>10-40mm</td>
<td>35-60mm</td>
<td>35-60mm</td>
</tr>
<tr>
<td><strong>Locking Screw, 2.7mm</strong></td>
<td>10-20mm</td>
<td>10-20mm</td>
<td>08-40mm</td>
<td>08-24mm</td>
<td>10-40mm</td>
<td>35-60mm</td>
<td>35-60mm</td>
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<tr>
<td><strong>Cortical Screw, 3.2mm</strong></td>
<td>08-40mm</td>
<td>08-24mm</td>
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<td>08-24mm</td>
<td>08-40mm</td>
<td>08-40mm</td>
<td>08-40mm</td>
</tr>
<tr>
<td><strong>Locking Screw, 3.2mm</strong></td>
<td>08-40mm</td>
<td>08-24mm</td>
<td>08-40mm</td>
<td>08-24mm</td>
<td>08-40mm</td>
<td>08-40mm</td>
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<tr>
<td><strong>Cancellous Screw, 3.8mm</strong></td>
<td>10-40mm</td>
<td>10-40mm</td>
<td>10-40mm</td>
<td>10-40mm</td>
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<tr>
<td><strong>Cortical Screw, 4.0mm</strong></td>
<td>35-60mm</td>
<td>35-60mm</td>
<td>35-60mm</td>
<td>35-60mm</td>
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<td>35-60mm</td>
</tr>
<tr>
<td><strong>Cannulated Screw, 4.0mm</strong></td>
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<td>35-60mm</td>
<td>35-60mm</td>
<td>35-60mm</td>
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<td>5mm increments</td>
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<tr>
<td><strong>Drill Bit</strong></td>
<td>2.0mm</td>
<td>2.0mm</td>
<td>2.3mm</td>
<td>2.3mm</td>
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<td>3.2mm</td>
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<tr>
<td><strong>Guide</strong></td>
<td>GUIDE-2.0/2.7</td>
<td>GUIDECBS-2.0</td>
<td>GUIDE-2.3/3.2</td>
<td>GUIDECBS-2.3</td>
<td>GUIDE-2.3/3.2</td>
<td>GUIDE-3.2/4.0</td>
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<tr>
<td><strong>Tap</strong></td>
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<tr>
<td><strong>Countersink</strong></td>
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<td>SINKAFS-4.0</td>
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<td><strong>Driver</strong></td>
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<td>2.5mm HEX</td>
<td>2.5mm HEX</td>
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<td><strong>Washer</strong></td>
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<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>AFSW</td>
</tr>
</tbody>
</table>

**Note:** The 1.6mm K-wires are used with the CCS4.0-XX.
## General Tools

- **Plate Bender**  
  BNDPLT-AFS

- **Expander / Compression Tool**  
  XPANDR
  DVHX-2.5/180 AO

- **Ratchet Handle**  
  HNDL-RATCH

- **Impactor**  
  IMPCT-SLED

- **Countersink, 4.0mm**  
  SINKAFS-4.0

- **Extender Guide**  
  XTNDRGUIDE

- **Crimper**  
  CRIMPR

- **Sidewinder Bone Clamp**  
  SWBC

- **Bone Clamp**  
  WBC

- **Bone Reduction Forceps**  
  BRF

- **Dental Pick**  
  PICK

## Guides

- **Hook Plate Drill Guide, 2.0mm**  
  GDAHOOK-2.0

- **Medial Malleolar Sled Guide, 0.9mm**  
  GDMMSLED-0.9

- **Medial Malleolar Sled Washer Guide, 2.3mm**  
  GDMMSLEDW-2.3

- **Drill Guide, 2.0mm/2.7mm**  
  GUIDE-2.0/2.7

- **Drill Guide, 2.3mm/3.2mm**  
  GUIDE-2.3/3.2

- **Drill Guide, 3.2mm/4.0mm**  
  GUIDE-3.2/4.0

- **Locking Drill Guide, 2.0mm**  
  GUIDELCBS-2.0

- **Locking Drill Guide, 2.3mm**  
  GUIDELCBS-2.3
Gauges

Depth Gauge, 30mm
GAUGE30

Depth Gauge, 70mm
GAUGE70

Wire Depth Gauge, 1.6, 150mm
GAUGWIR-1.6/150
EXPANDER TOOL - COMPRESSION

Insert driver tip into screw head and engage jaw into hole away from fracture
Loosen screw 1/4 turn and slowly squeeze handle to compress fracture
Tighten screw and finalize fixation

EXPANDER TOOL - DISTRACTION

Insert driver tip into screw head and engage jaw into hole closer to fracture
Loosen screw 1/4 turn and slowly squeeze handle to distract
Tighten screw, graft and finalize fixation
The technique presented is one suggested surgical technique. The decision to use a specific implant and the surgical technique must be based on sound medical judgment by the surgeon that takes into consideration factors such as the circumstances and configuration of the injury.