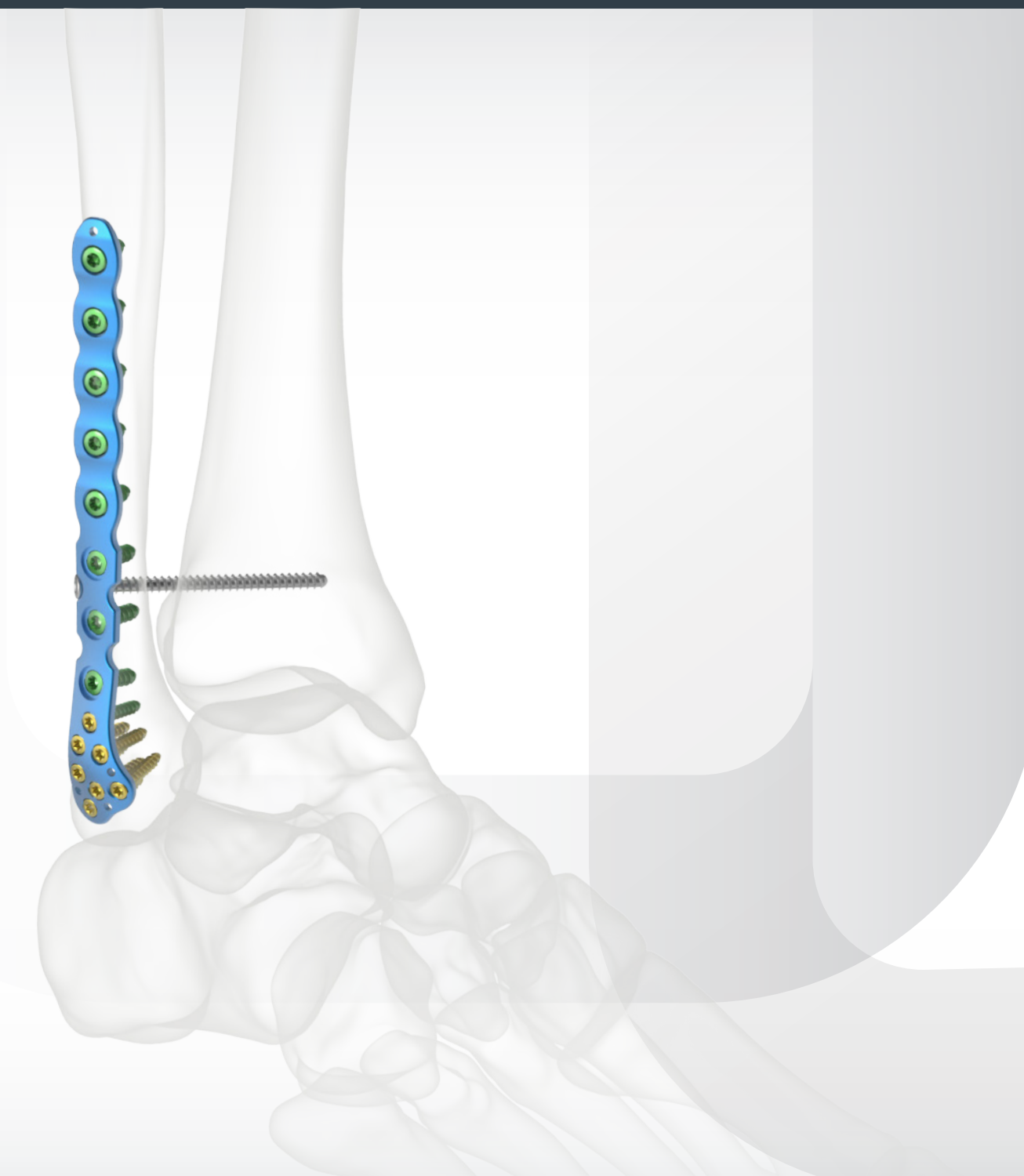


JEILMEDICAL

ARX ANKLE SYSTEM

2.8 / 3.5 Anterolateral Fibula Plate



Contents

| | |
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| 3 | Indication |
| 4 | Features |
| 10 | Surgical Technique |
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| 16 | - Anterolateral Fibula Plates |
| 18 | - Screws |
| 19 | - Instruments |
| 23 | Set Configuration |

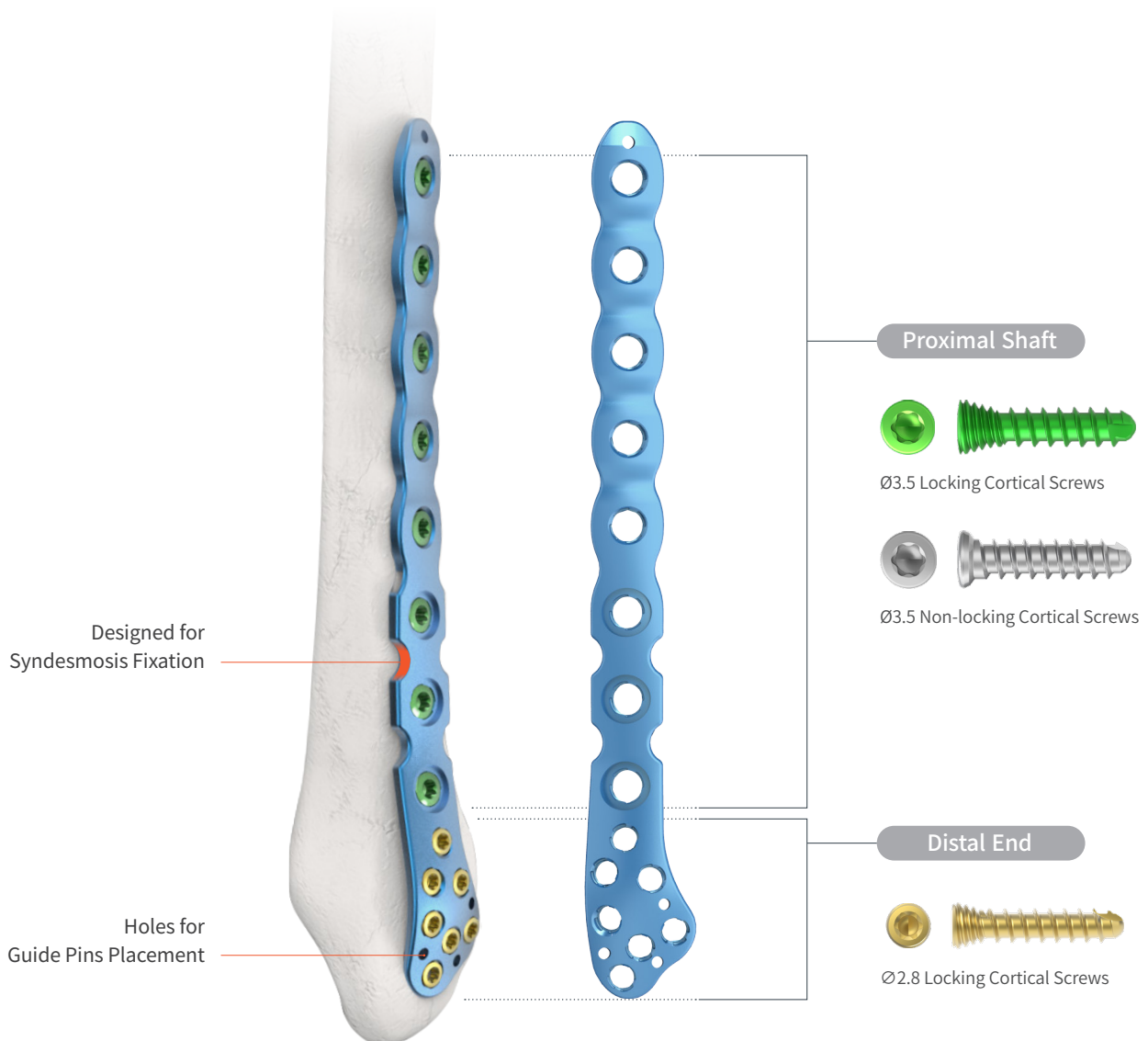


The ARIX Ankle System(Fibula) is intended for use in internal fixation of the distal fibula.

Anterolateral Fibula Plate

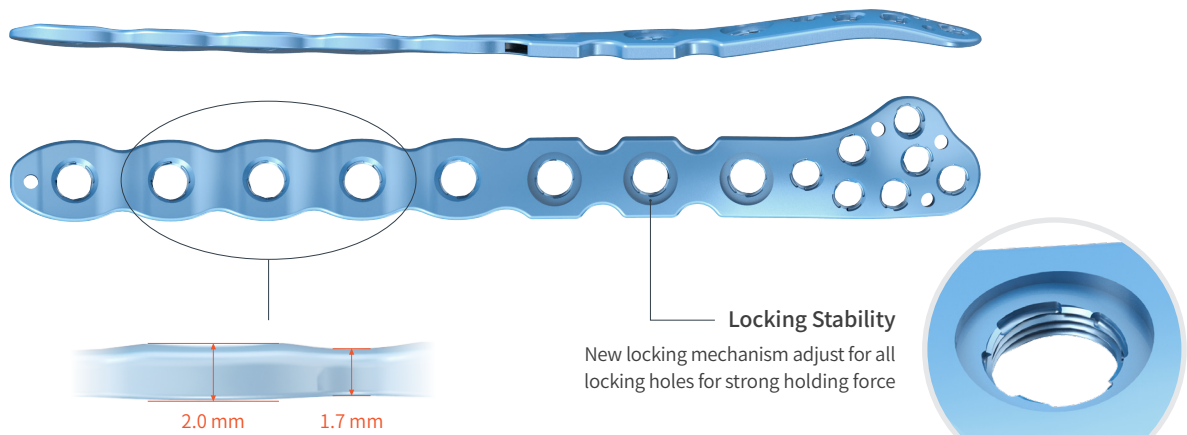
General Features

- 2.0 mm thickness
- Proximal shaft: Ø3.5 mm screw, Distal end: Ø2.8 mm screw
- Variable locking up to $\pm 15^\circ$
- Compatible with syndesmosis fixation
- Anatomically pre-contoured
- Plate designed for easy bending and twisting
- Low profile and round edge design for less irritation



Anatomically Pre-contoured Design

Developed on the basis of anatomical data, the plates fit profile of the fibula.



Designed for Easy Bending and Twisting

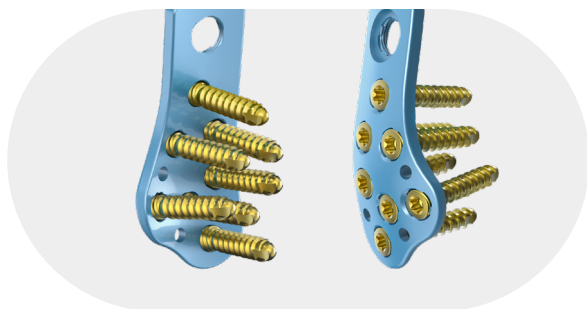
Maintained the maximum thickness for strength and carved edges reduced the volume for easier bending and twisting

Syndesmosis Fixation

Scalloped edges of the plate are designed for syndesmotic screw placement and no compromising of the plate position. Multiple scalloped edges allow syndesmosis fixation.

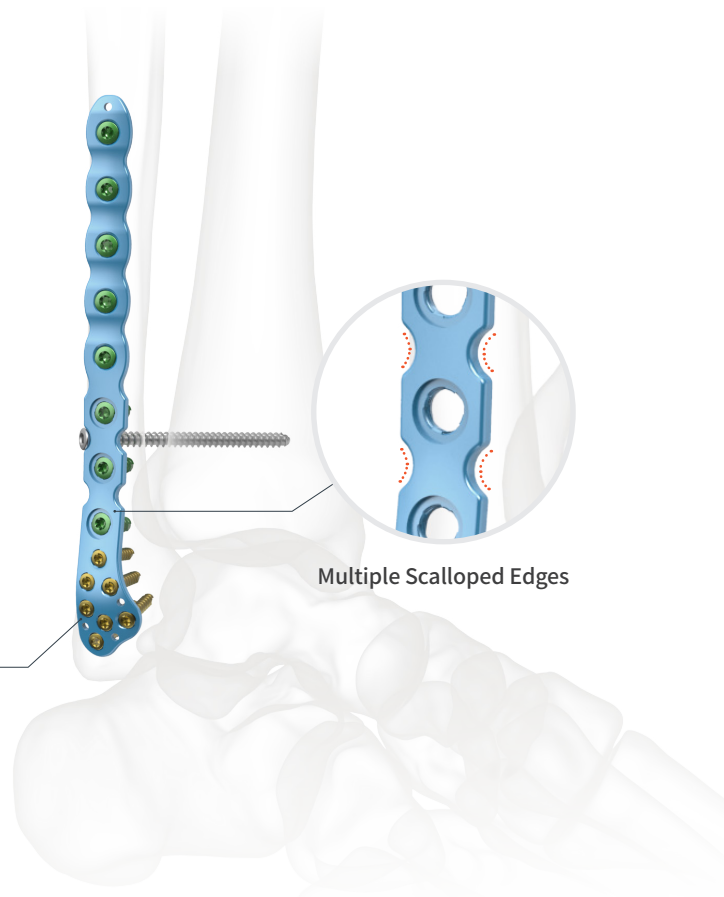
Multiple Distal Screw Holes for Stable Fixation

More screw holes for stable reduction of articular fragments.



Maximum of 7 Screws

Multiple Scalloped Edges



Anterolateral Fibula Plate

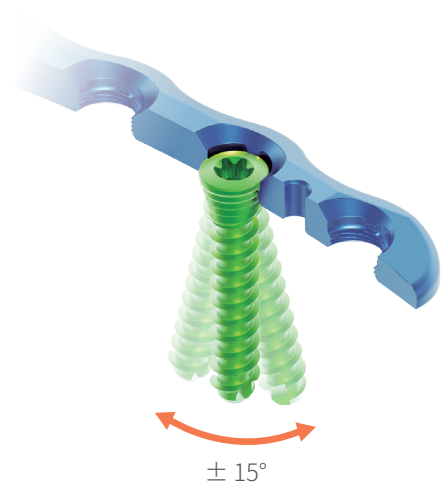
Self-retaining function of STARIX Screw

- Optimal self-retaining function achieved through precision machining
- Minimizes the risk of cam-out and recess breakage
- Allows higher torque transmission

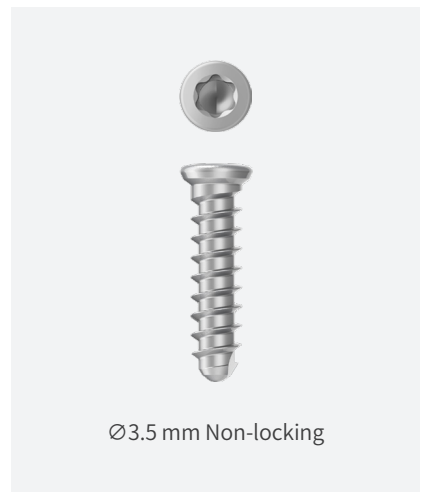
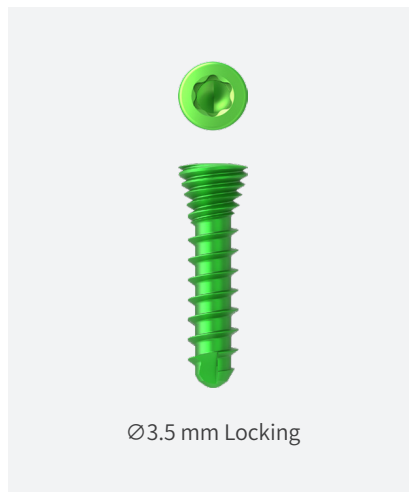
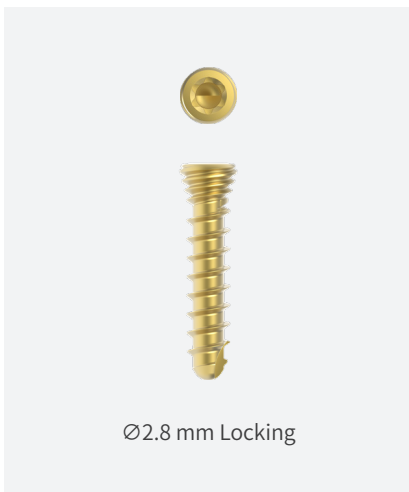


Variable Locking Interface with Locking Screw

- Poly-axial screw insertion
- Variable locking $\pm 15^\circ$

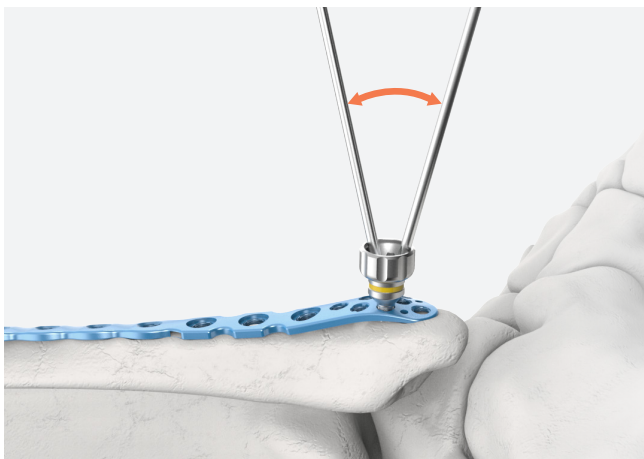


Screw Options



Instrument

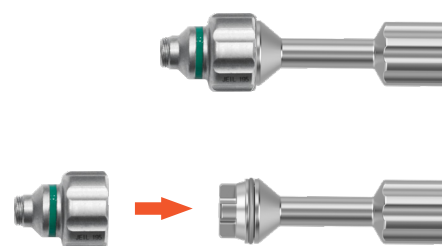
Variable Angle Drill Sleeve



① The variable angle drill sleeve enables the surgeons to insert locking screws with preferred angle in range of $\pm 15^\circ$.

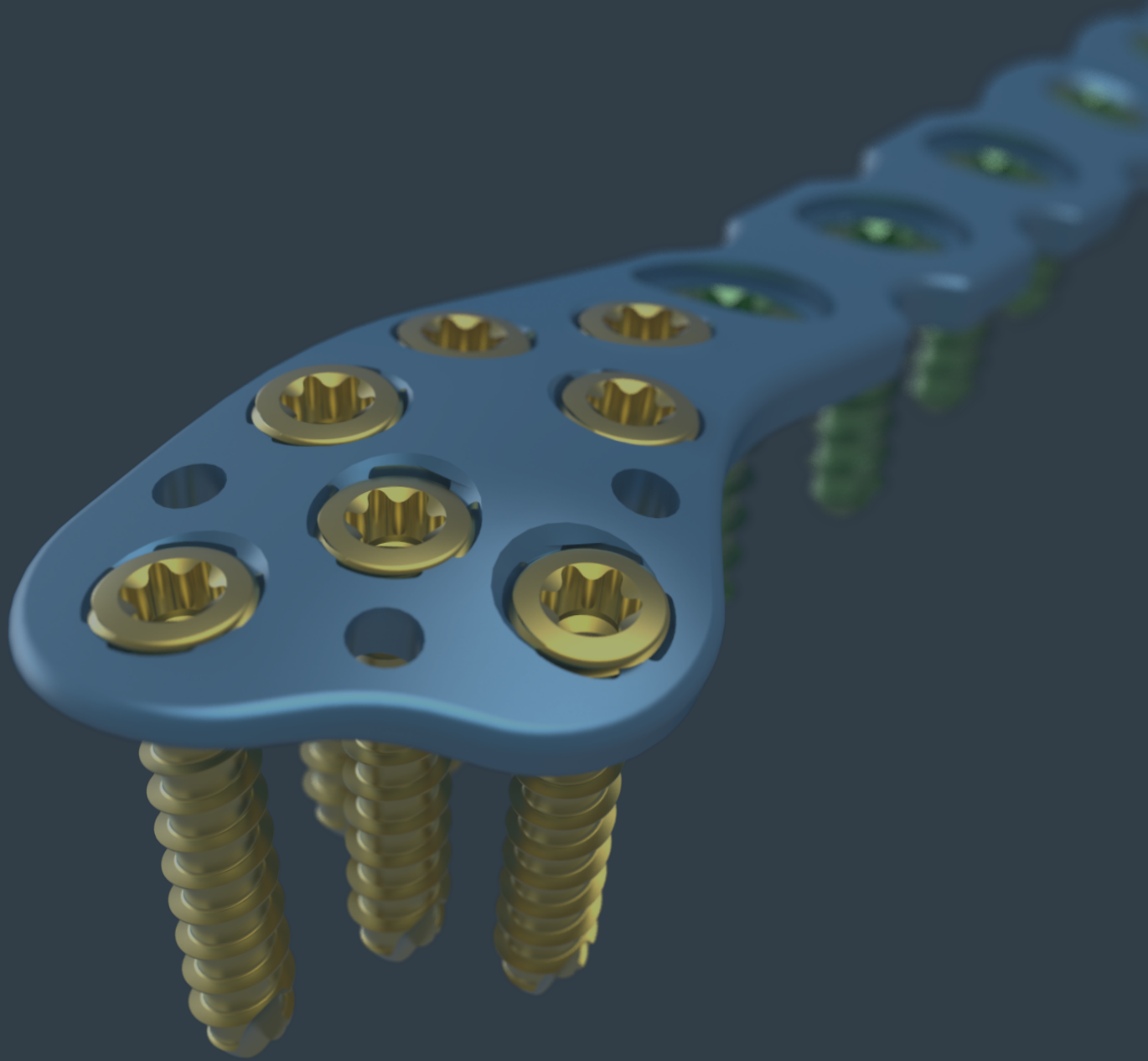
② The drill sleeve handle facilitates engaging the drill sleeve into the screw holes. Assemble the sleeve handle to the drill sleeve. Once the drill guide is engaged to the screw hole by turning it clockwise, disconnect the drill sleeve handle by simply pulling it out.

C-Arm View



Variable Angle Drill Sleeve
111-316

Variable Angle Drill Sleeve handle
111-157

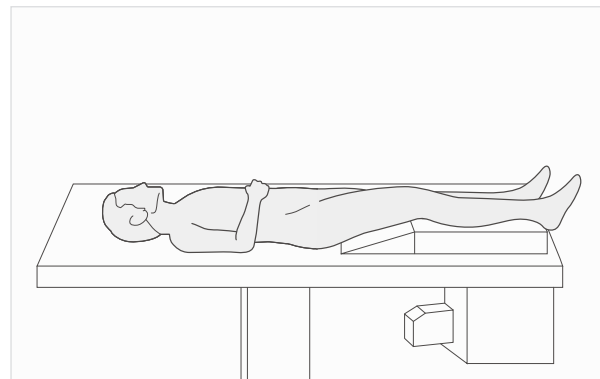




| Surgical Technique

1. Approaches

Place the patient in a supine position on a radiolucent table.
Tilt the surgical site ankle slightly in the medial direction.

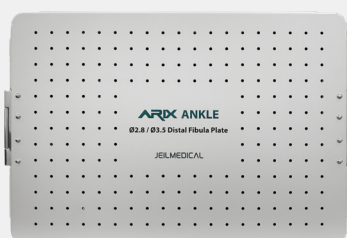


2. Exposure

Make an incision in line with the fibula,
centered over the fracture.



Required Set



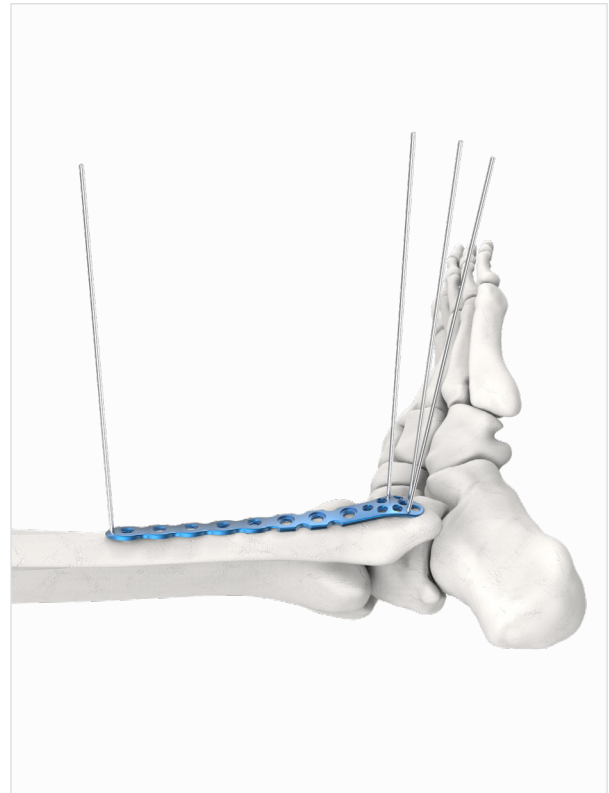
ARIX Ankle System
Anterolateral Fibula Plate Kit
112-175

3. Fracture Reduction

Reduce the main fragments and hold with a pointed reduction. Use guide pin for temporary fixation of the plate.

4. Plate Positioning

Position the fibula plate and the curvature of the plate nestles smoothly over the anterolateral surface of the fibula. Place a guide pin through the most proximal pin hole and another guide pin through the distal pin hole. Position of the plate carefully evaluated with c-arm images.



Required Instruments



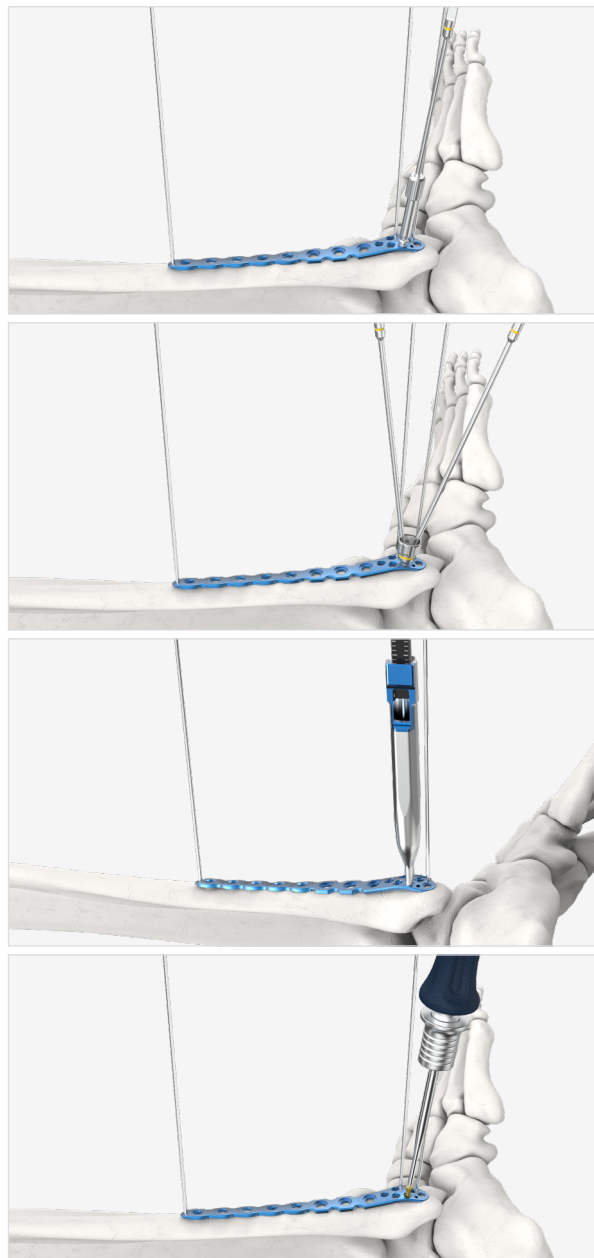
Guide Pin
111-068-3

5. Drilling and Screw Insertion

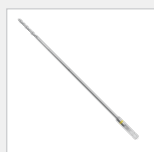
Use 2.7mm drill bit for 3.5mm screws for drilling. After drilling, measure the screw length by using the depth gauge.

**Instruments for Ø2.8 mm screw are provided separately.
With fixed angle drill sleeve the locking screw can be inserted only in predefined or nominal angle.*

With variable angle drill sleeve the screw can be inserted at desired angle within 30 degrees range.



Required Instruments



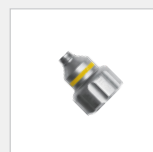
Drill Bit
112-28-703



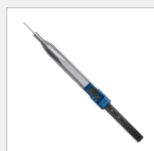
Drill Guide
111-285



Drill Sleeve
111-128



Drill Sleeve
111-286



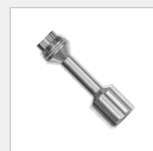
Depth Gauge
111-267



Driver
113-HF-623



Driver Handle
111-206



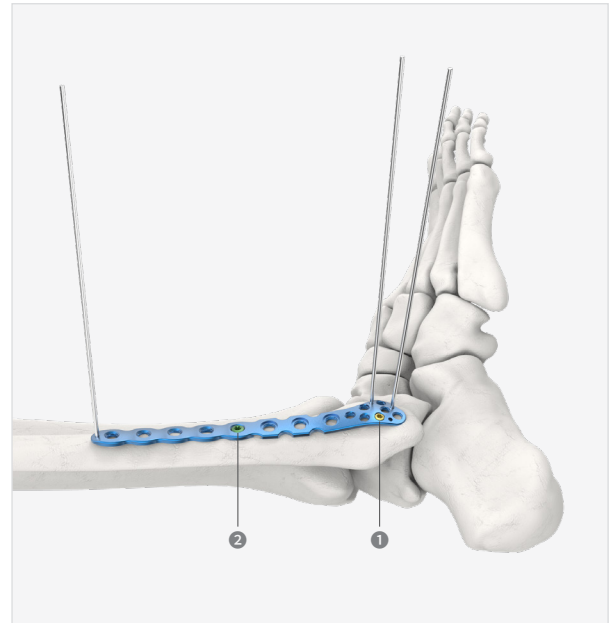
Drill Sleeve Handle
111-157

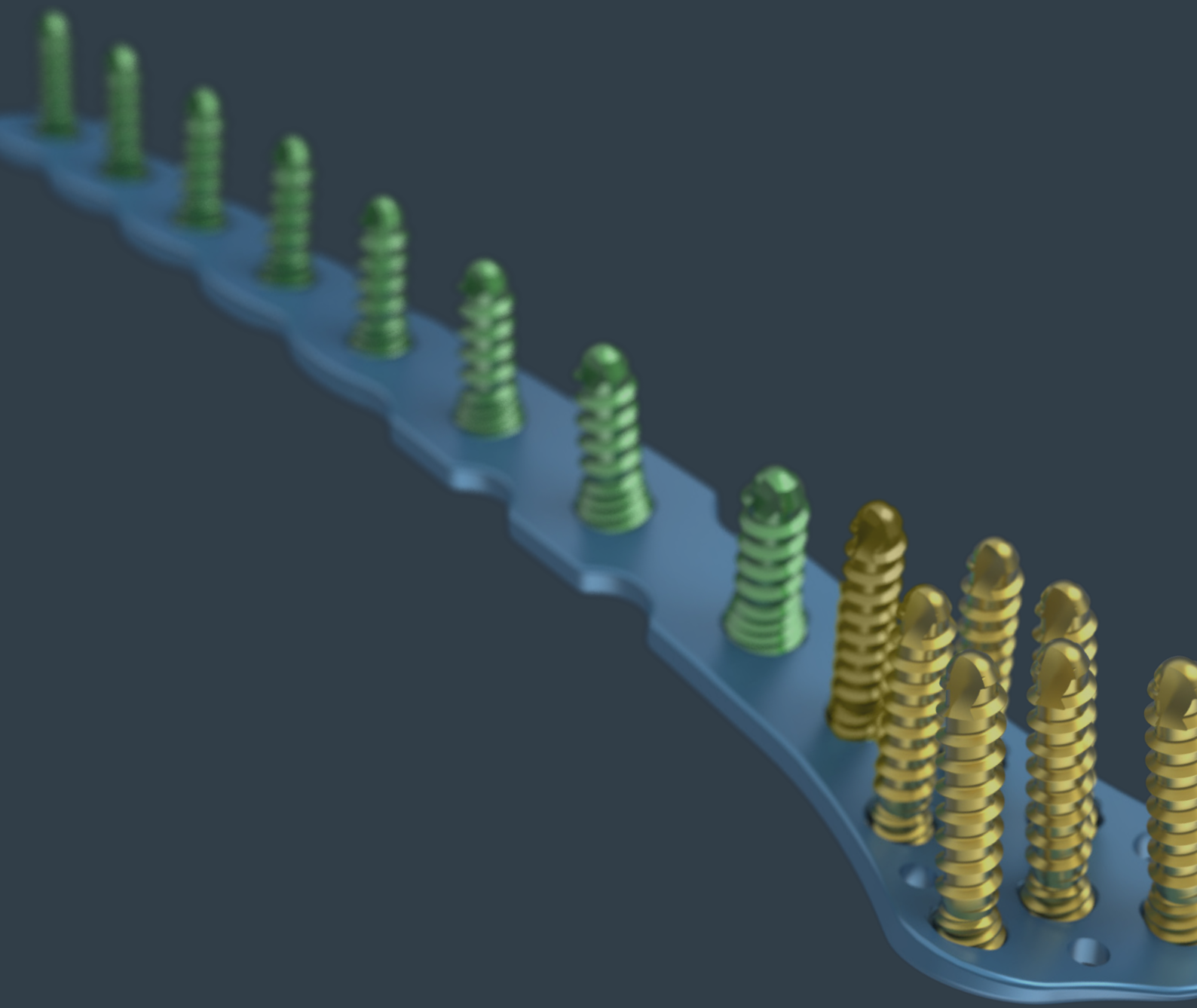
6. Order of Screw Placement

Insert most distal screw(❶) first, then one of proximal screws(❷) to prevent plate rotation. Then insert rest of screws as needed.

7. Removing Plate and Screws

If the plate and screws need to be removed, make an incision over the fibula.
Use the appropriate screwdriver to remove each screw.



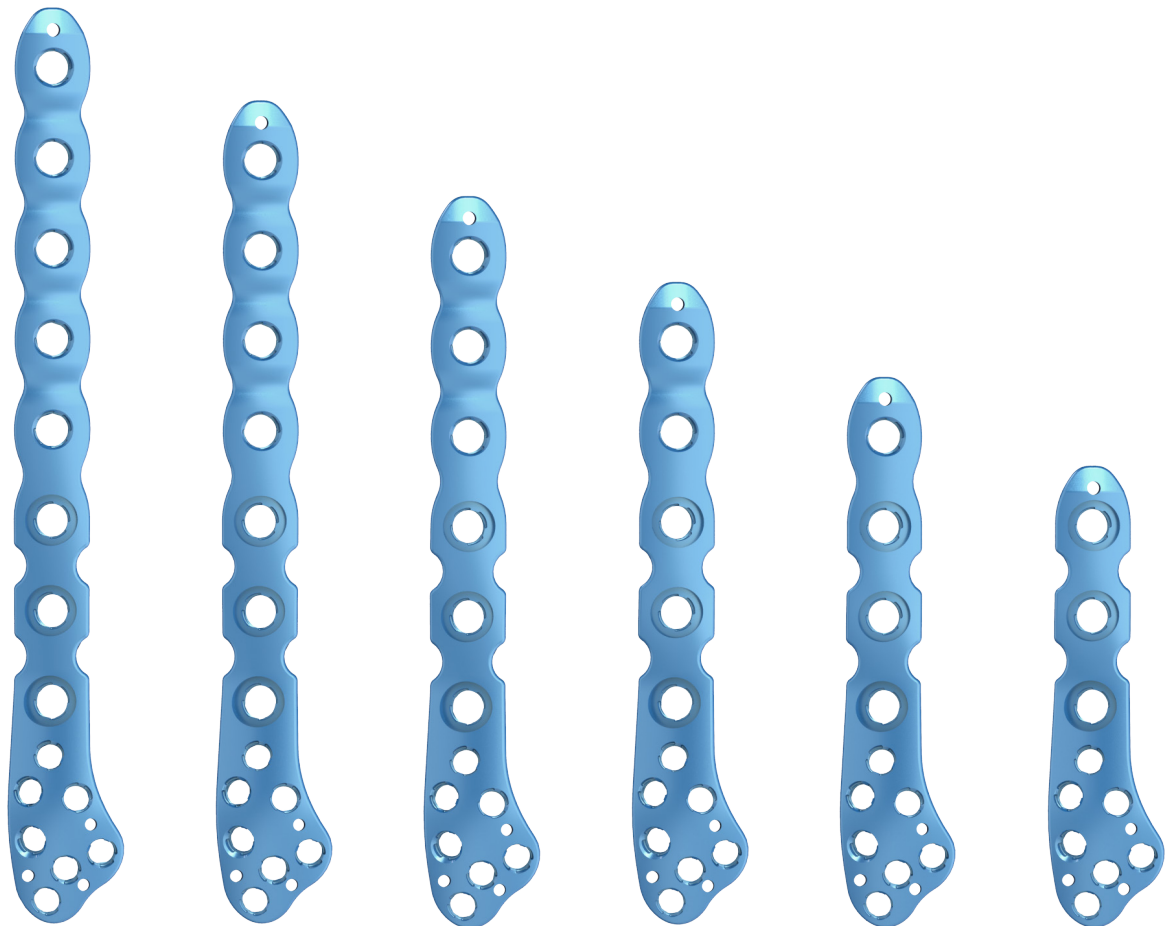


| Ordering Information



Anterolateral Fibula Plates

Right Type



35V-DLF3-008-R

35V-DLF3-007-R

35V-DLF3-006-R

35V-DLF3-005-R

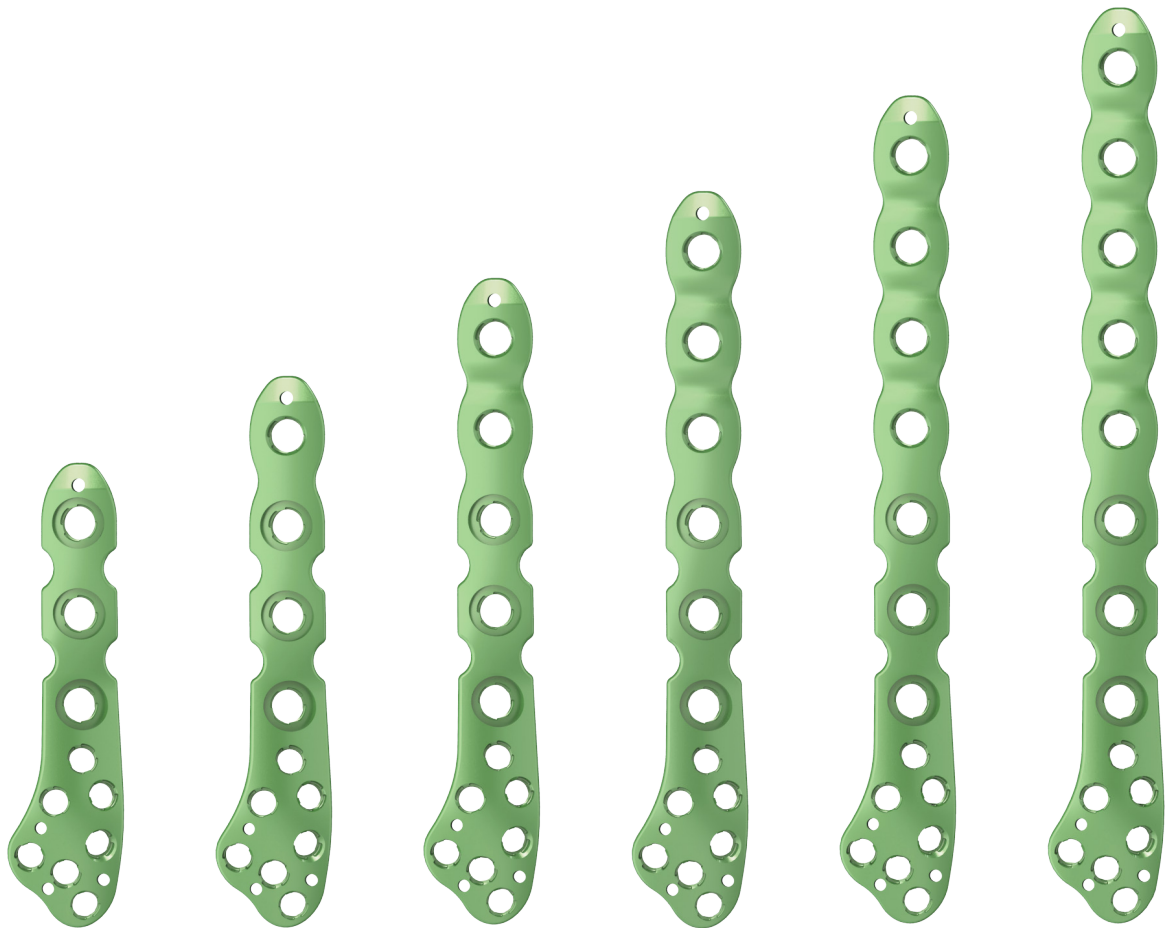
35V-DLF3-004-R

35V-DLF3-003-R

*Illustrated scale 1:1

| Code | Length | Thickness | Holes | Color | Set Quantity |
|----------------|----------|-----------|-------|------------|--------------|
| 35V-DLF3-003-R | 61.5 mm | 2.0 mm | 3 | Light Blue | 2 |
| 35V-DLF3-004-R | 73.5 mm | 2.0 mm | 4 | Light Blue | 2 |
| 35V-DLF3-005-R | 85.5 mm | 2.0 mm | 5 | Light Blue | 2 |
| 35V-DLF3-006-R | 97.5 mm | 2.0 mm | 6 | Light Blue | 1 |
| 35V-DLF3-007-R | 109.5 mm | 2.0 mm | 7 | Light Blue | 1 |
| 35V-DLF3-008-R | 121.5 mm | 2.0 mm | 8 | Light Blue | 1 |

Left Type



35V-DLF3-003-L

35V-DLF3-004-L

35V-DLF3-005-L

35V-DLF3-006-L

35V-DLF3-007-L

35V-DLF3-008-L

*Illustrated scale 1:1

| Code | Length | Thickness | Holes | Color | Set Quantity |
|----------------|----------|-----------|-------|-------------|--------------|
| 35V-DLF3-003-L | 61.5 mm | 2.0 mm | 3 | Light Green | 2 |
| 35V-DLF3-004-L | 73.5 mm | 2.0 mm | 4 | Light Green | 2 |
| 35V-DLF3-005-L | 85.5 mm | 2.0 mm | 5 | Light Green | 2 |
| 35V-DLF3-006-L | 97.5 mm | 2.0 mm | 6 | Light Green | 1 |
| 35V-DLF3-007-L | 109.5 mm | 2.0 mm | 7 | Light Green | 1 |
| 35V-DLF3-008-L | 121.5 mm | 2.0 mm | 8 | Light Green | 1 |

Anterolateral Fibula Screws

Ø2.8 Locking Cortical Screws



| Code | Length | Color | Set Quantity |
|---------------|--------|-------|--------------|
| 28L-SO-S10-TA | 10 mm | Gold | 5 |
| 28L-SO-S12-TA | 12 mm | Gold | 5 |
| 28L-SO-S14-TA | 14 mm | Gold | 10 |
| 28L-SO-S16-TA | 16 mm | Gold | 5 |
| 28L-SO-S18-TA | 18 mm | Gold | 5 |

Ø3.5 Locking Cortical Screws



| Code | Length | Color | Set Quantity |
|---------------|--------|-------|--------------|
| 35L-SO-L10-TA | 10 mm | Green | 5 |
| 35L-SO-L12-TA | 12 mm | Green | 5 |
| 35L-SO-L14-TA | 14 mm | Green | 5 |
| 35L-SO-L16-TA | 16 mm | Green | 5 |
| 35L-SO-L18-TA | 18 mm | Green | 5 |
| 35L-SO-L20-TA | 20 mm | Green | 5 |
| 35L-SO-L22-TA | 22 mm | Green | 5 |
| 35L-SO-L24-TA | 24 mm | Green | 5 |
| 35L-SO-L26-TA | 26 mm | Green | 5 |

Ø3.5 Non-locking Cortical Screws



| Code | Length | Color | Set Quantity |
|-------------|--------|--------|--------------|
| 35-SO-L10-T | 10 mm | Silver | 2 |
| 35-SO-L12-T | 12 mm | Silver | 2 |
| 35-SO-L14-T | 14 mm | Silver | 2 |
| 35-SO-L16-T | 16 mm | Silver | 2 |
| 35-SO-L18-T | 18 mm | Silver | 2 |
| 35-SO-L20-T | 20 mm | Silver | 2 |
| 35-SO-L22-T | 22 mm | Silver | 2 |
| 35-SO-L24-T | 24 mm | Silver | 2 |
| 35-SO-L50-T | 50 mm | Silver | 2 |
| 35-SO-L55-T | 55 mm | Silver | 2 |
| 35-SO-L60-T | 60 mm | Silver | 2 |
| 35-SO-L65-T | 65 mm | Silver | 2 |
| 35-SO-L70-T | 70 mm | Silver | 2 |

Instruments

Drill Bit



112-28-703



112-35-704



112-35-701-L

| Code | Description | Set Quantity |
|--------------|---------------------------|--------------|
| 112-28-703 | Drill Bit for Ø2.8 AO | 2 |
| 112-35-704 | Drill Bit for Ø3.5 AO | 2 |
| 112-35-701-L | Drill Bit for Ø3.5 AO Lag | 2 |

Drill Sleeve



111-128



111-173



111-286



111-316



111-157

| Code | Description | Set Quantity |
|---------|--------------------------------|--------------|
| 111-128 | Drill Sleeve for Ø2.4 Fixed | 2 |
| 111-286 | Drill Sleeve for Ø2.4 Variable | 1 |
| 111-173 | Drill Sleeve for Ø2.7 Fixed | 2 |
| 111-316 | Drill Sleeve for Ø2.7 Variable | 1 |
| 111-157 | Drill Sleeve for Handle | 2 |

Forceps



| Code | Description | Set Quantity |
|---------|-------------------------|--------------|
| 114-009 | Forceps Common Pincette | 1 |

Instruments

Drill Guide



| Code | Description | Set Quantity |
|---------|--------------------------------------|--------------|
| 111-285 | Drill Guide for Ø2.4 Fixed | 1 |
| 111-100 | Drill Guide for Ø2.7 Comp Ø3.6 Fixed | 1 |
| 111-287 | Drill Guide for Ø2.7 Fixed | 1 |

Driver



| Code | Description | Set Quantity |
|------------|---------------------------|--------------|
| 113-HF-623 | Driver for T8 Ball 100mm | 2 |
| 113-HF-616 | Driver for T10 Ball 100mm | 2 |

Handle



| Code | Description | Set Quantity |
|---------|-----------------------------|--------------|
| 111-206 | Handle for Driver Ø5.0 Ball | 2 |

Bender



| Code | Description | Set Quantity |
|---------|------------------------|--------------|
| 111-088 | Bender Flat 3.0T Plate | 2 |

Dispenser



| Code | Description | Set Quantity |
|---------|-------------------------|--------------|
| 111-096 | Dispenser for Guide pin | 1 |

Guide Pin



| Code | Description | Set Quantity |
|-----------|----------------|--------------|
| 111-068-3 | Guide Pin Ø1.6 | 5 |

Depth Gauge



111-267

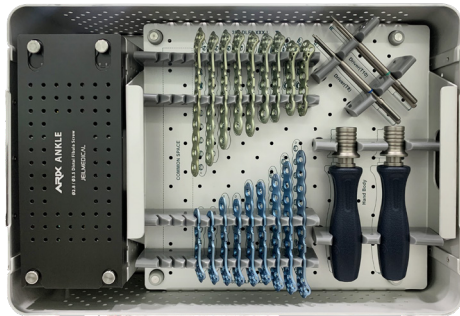


111-266

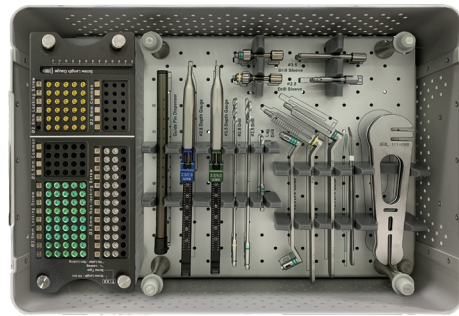
| Code | Description | Set Quantity |
|---------|---------------------------|--------------|
| 111-267 | Depth Gauge for Ø2.5 0070 | 1 |
| 111-266 | Depth Gauge for Ø3.5 1070 | 1 |

Anterolateral Fibula Plate

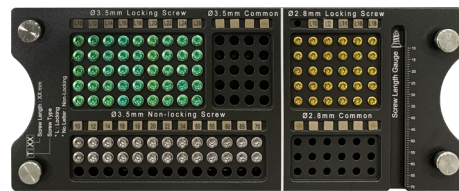
Kit & Module



112-175



112-175-04



| Code | Description | Set Quantity |
|------------|-------------------------------------|--------------|
| 112-175 | Anterolateral Fibula Plate Full Kit | 1 |
| 112-175-04 | Screw Module | 1 |

Set Configuration

| Anterolateral Fibula Plates | | | | Screws | | | |
|-----------------------------|----------------|---------------------------------------|------|--------|---------------|-------------------------------------|------|
| No. | Code | Description | Q'ty | No. | Code | Description | Q'ty |
| 1 | 35V-DLF3-003-R | Anterolateral Fibula Plate, Right, 3H | 2 | 1 | 28L-SO-S10-TA | Ø2.8 Locking Cortical T8, 10mm | 5 |
| 2 | 35V-DLF3-004-R | Anterolateral Fibula Plate, Right, 4H | 2 | 2 | 28L-SO-S12-TA | Ø2.8 Locking Cortical T8, 12mm | 5 |
| 3 | 35V-DLF3-005-R | Anterolateral Fibula Plate, Right, 5H | 2 | 3 | 28L-SO-S14-TA | Ø2.8 Locking Cortical T8, 14mm | 10 |
| 4 | 35V-DLF3-006-R | Anterolateral Fibula Plate, Right, 6H | 1 | 4 | 28L-SO-S16-TA | Ø2.8 Locking Cortical T8, 16mm | 5 |
| 5 | 35V-DLF3-007-R | Anterolateral Fibula Plate, Right, 7H | 1 | 5 | 28L-SO-S18-TA | Ø2.8 Locking Cortical T8, 18mm | 5 |
| 6 | 35V-DLF3-008-R | Anterolateral Fibula Plate, Right, 8H | 1 | 6 | 35L-SO-L10-TA | Ø3.5 Locking Cortical T10, 10mm | 5 |
| 7 | 35V-DLF3-003-L | Anterolateral Fibula Plate, Left, 3H | 2 | 7 | 35L-SO-L12-TA | Ø3.5 Locking Cortical T10, 12mm | 5 |
| 8 | 35V-DLF3-004-L | Anterolateral Fibula Plate, Left, 4H | 2 | 8 | 35L-SO-L14-TA | Ø3.5 Locking Cortical T10, 14mm | 5 |
| 9 | 35V-DLF3-005-L | Anterolateral Fibula Plate, Left, 5H | 2 | 9 | 35L-SO-L16-TA | Ø3.5 Locking Cortical T10, 16mm | 5 |
| 10 | 35V-DLF3-006-L | Anterolateral Fibula Plate, Left, 6H | 1 | 10 | 35L-SO-L18-TA | Ø3.5 Locking Cortical T10, 18mm | 5 |
| 11 | 35V-DLF3-007-L | Anterolateral Fibula Plate, Left, 7H | 1 | 11 | 35L-SO-L20-TA | Ø3.5 Locking Cortical T10, 20mm | 5 |
| 12 | 35V-DLF3-008-L | Anterolateral Fibula Plate, Left, 8H | 1 | 12 | 35L-SO-L22-TA | Ø3.5 Locking Cortical T10, 22mm | 5 |
| Instruments | | | | 13 | 35L-SO-L24-TA | Ø3.5 Locking Cortical T10, 24mm | 5 |
| No. | Code | Description | Q'ty | 14 | 35L-SO-L26-TA | Ø3.5 Locking Cortical T10, 26mm | 5 |
| 1 | 112-28-703 | Drill Bit for Ø2.8 AO | 2 | 15 | 35-SO-L10-T | Ø3.5 Non-locking Cortical T10, 10mm | 2 |
| 2 | 112-35-704 | Drill Bit for Ø3.5 AO | 2 | 16 | 35-SO-L12-T | Ø3.5 Non-locking Cortical T10, 12mm | 2 |
| 3 | 112-35-701-L | Drill Bit for Ø3.5 AO Lag | 2 | 17 | 35-SO-L14-T | Ø3.5 Non-locking Cortical T10, 14mm | 2 |
| 4 | 111-128 | Drill Sleeve for Ø2.4 Fixed | 2 | 18 | 35-SO-L16-T | Ø3.5 Non-locking Cortical T10, 16mm | 2 |
| 5 | 111-286 | Drill Sleeve for Ø2.4 Variable | 1 | 19 | 35-SO-L18-T | Ø3.5 Non-locking Cortical T10, 18mm | 2 |
| 6 | 111-173 | Drill Sleeve for Ø2.7 Fixed | 2 | 20 | 35-SO-L20-T | Ø3.5 Non-locking Cortical T10, 20mm | 2 |
| 7 | 111-316 | Drill Sleeve for Ø2.7 Variable | 1 | 21 | 35-SO-L22-T | Ø3.5 Non-locking Cortical T10, 22mm | 2 |
| 8 | 111-157 | Drill Sleeve for Handle | 2 | 22 | 35-SO-L24-T | Ø3.5 Non-locking Cortical T10, 24mm | 2 |
| 9 | 111-285 | Drill Guide for Ø2.4 Fixed | 1 | 23 | 35-SO-L50-T | Ø3.5 Non-locking Cortical T10, 50mm | 2 |
| 10 | 111-100 | Drill Guide for Ø2.7 Comp Ø3.6 Fixed | 1 | 24 | 35-SO-L55-T | Ø3.5 Non-locking Cortical T10, 55mm | 2 |
| 11 | 111-287 | Drill Guide for Ø2.7 Fixed | 1 | 25 | 35-SO-L60-T | Ø3.5 Non-locking Cortical T10, 60mm | 2 |
| 12 | 113-HF-623 | Driver for T8 Ball 100mm | 2 | 26 | 35-SO-L65-T | Ø3.5 Non-locking Cortical T10, 65mm | 2 |
| 13 | 113-HF-616 | Driver for T10 Ball 100mm | 2 | 27 | 35-SO-L70-T | Ø3.5 Non-locking Cortical T10, 70mm | 2 |
| 14 | 111-206 | Handle for Driver Ø5.0 Ball | 2 | | | | |
| 15 | 111-088 | Bender Flat 3.0T Plate | 2 | | | | |
| 16 | 111-068-3 | Guide Pin Ø1.6 | 5 | | | | |
| 17 | 111-096 | Dispenser for Guide pin | 1 | | | | |
| 18 | 111-266 | Depth Gauge for Ø3.5 1070 | 1 | | | | |
| 19 | 111-267 | Depth Gauge for Ø2.5 0070 | 1 | | | | |
| 20 | 114-009 | Forceps Common Pincette | 1 | | | | |
| 21 | 112-175 | Anterolateral Fibula Plate Full Kit | 1 | | | | |
| 22 | 112-175-04 | Screw Module | 1 | | | | |

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