SINGLE USE KIT STERILE R





Ankle

Ready when you are!





Constraints >









Contracted out + sterilization





Suppliers' deadline

High costs





S Stocks

\$ Control

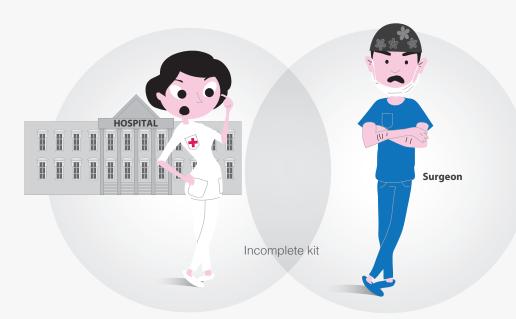
\$ Cleaning

\$ Decontamination

\$ Sterilization



Bulky storage



Complex process







































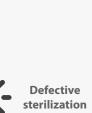
























Safety >













Cost efficiency





Optimized storage







Available when needed



READY-TO-USE FOR SURGERY



STERILE R SINGLE USE KIT
with state-of-the-art implants

Ready when you are!



Safety:

The Initial A^{m} kits are fully traceable and have a shelf life of 5 years.

Its instrumentation and implants are "always new" and have never been opened or used before.



Available when needed:

The Initial A^{TM} kits (Initial A^{TM} - Fibula and Initial A^{TM} - Syndesmosis) come pre-sterilized and ready to use.

The combination of sterile implants and single use instrumentation in a single packaging makes Initial A^{m} ideal for use in urgent surgical cases.



Storage:

Initial A^{TM} kits can be easily stored in the operating room because of its small size.





Costs:

Initial A^{TM} is a cost-effective solution. The additional costs including cleaning, decontamination, sterilization of kits are cancelled.



Contamination:

The combination of sterile implants and sterile single-use instrumentation minimizes contamination risks.



Buying procedure:

Initial A[™] facilitates buying procedures: restocking and orders are simplified, stock management is optimized.

Kit Content



> Indications

The implants of the Initial A^{M} range are intended for the fixation of fractures, osteotomies and pseudarthroses of the distal and the diaphyseal fibula, the distal tibia and for the syndesmotic repair in adults.

> Contraindications

- Serious vascular deterioration, bone devitalization.
- Pregnancy.
- Acute or chronic, local or systemic infections.
- Lack of musculo-cutaneous cover, severe vascular deficiency affecting the concerned area.
- Insufficient bone quality preventing a good fixation of the implant into the bone.
- · Muscular deficit, neurological deficiency or behavioural disorders which could submit the osteosynthesis to abnormal mechanical strains.
- Allergy to one of the materials used or sensitivity to foreign bodies.
- Serious problems of non-compliance, mental or neurological disorders, failure to follow post-operative care recommendations.
- Unstable physical and/or mental condition.

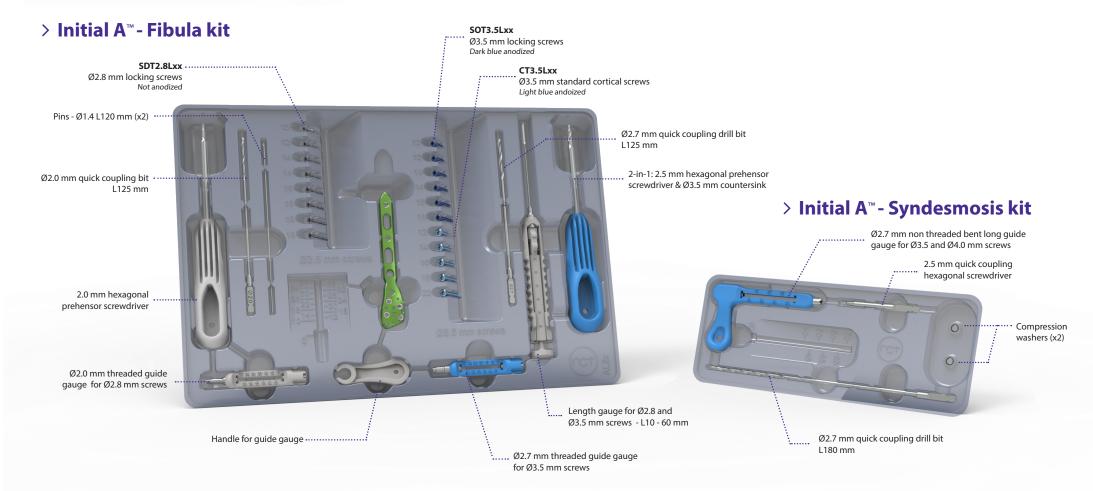


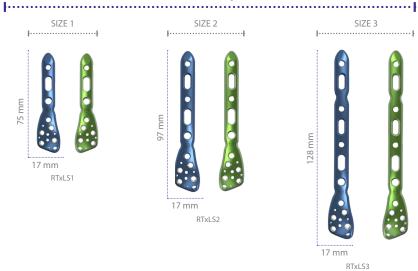
Plate features

> A comprehensive range of plates



Standard plates

Fixation of osteoporotic bones and complex fractures with or without syndesmosis injuries (green anodized plates for the right side, blue anodized plates for the left side).

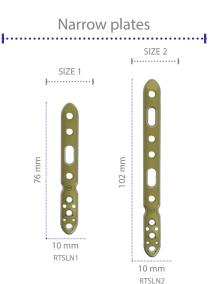


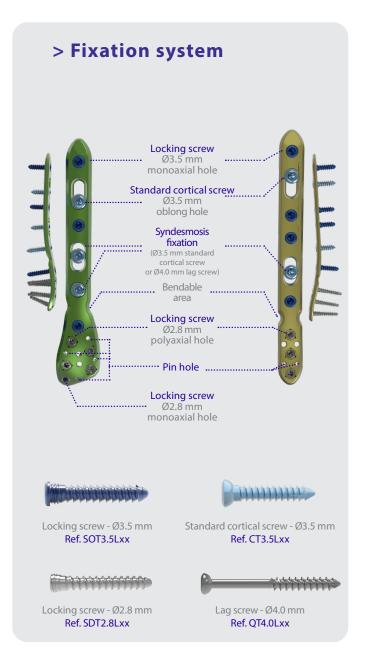
Standard plates



Narrow plates

Fixation of simple fractures with or without syndesmosis injuries (same plate for both sides).





Technical features: Initial A - Fibula kits

> Precontoured implant

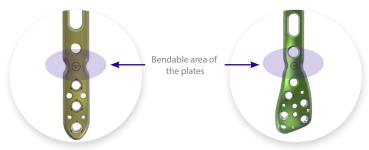
The design of this implant is the result of a proprietary state-of-the-art mapping technology to establish an optimized congruence between the plate and the bone.



▶ PLATE BENDING

The implant also offers bendable areas which allows adjusting of the plate on the diaphyseal part and on the junction of the diaphysis and epiphysis parts thanks to the bending pliers. **They are available separately, on demand, in non sterile version.**

Bending is only possible in the areas intended for this purpose. A bendable area must be bent only once, in one direction and not be performed excessively. The holes must be protected so as to avoid damaging the fixation.



 $\label{lem:handle for guide gauge: before performing the drilling into the oblong hole, clip the handle for guide gauge on the <math>\emptyset 2.7$ mm threaded guide gauge.



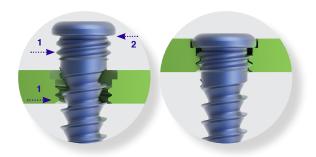
> Angular range: +/- 10° polyaxial locking fixation

Initial A^{∞} plates combine both polyaxial and locking technologies to create a fixed-angle construct particulary useful for poor bone quality and/or multifragmentary fractures.



> Monoaxial locking system

- The threaded sections under the screw head and inside the hole have the same characteristics (1),
- Screw head cap (2),
- Implants material: titanium alloy.

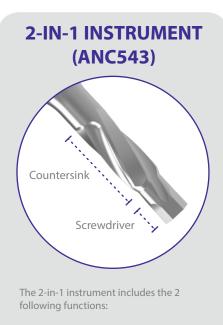


Surgical technique: Initial A - Fibula kits

Example: surgical technique with a standard size 2 right (KIT-AL2D).

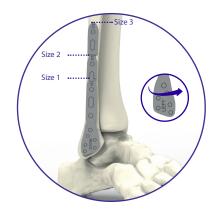
(Same technique for all standard and narrow plates)

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- **Screwdriver** for Ø3.5 mm and Ø4.0 mm screws,
- **Countersink** to widen the drilling made in the first cortex before screw insertion.





1. Using the template (ANC607 or ANC659), define the suitable plate size, then determine the appropriate kit.

N.B.: The templates can be used both for the right side and for the left side and are available separately in a sterile version.



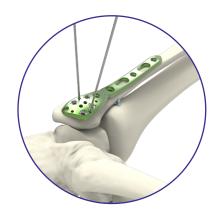
2. To insert an interfragmentary screw, drill using the Ø2.7 mm drill bit.



3. When a lag effect is necessary, use the countersink part of the blue 2-in-1 instrument to widen the first cortex previously drilled.

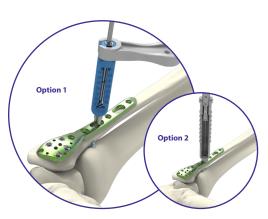


4. Insert the interfragmentary light blue Ø3.5 mm cortical screw using the screwdriver part of the blue 2-in-1 instrument.



5. Hold the plate by inserting pins through the dedicated distal holes.

The pins can be removed once the plate is stabilized.



6. Clip the handle for guide gauge on the blue Ø2.7 mm threaded guide gauge and perform the drilling using the assembly in the most distal oblong hole.

Option 1 - Determine the screw length using the drill bit and guide gauge.

Option 2 - Determine the screw length using the length gauge.

Surgical technique: Initial A - Fibula kits

Example: surgical technique with a standard size 2 right (KIT-AL2D).

(Same technique for all standard and narrow plates)

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7. Screw a light blue Ø3.5 mm cortical screw in the oblong hole using the screwdriver part of the blue 2-in-1 instrument to secure the plate in place.

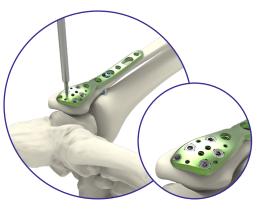




8. Using the grey Ø2.0 mm threaded guide gauge, choose the angle of the non-anodized Ø2.8 mm locking screws in the polyaxial holes then drill (Ø2.0 mm).

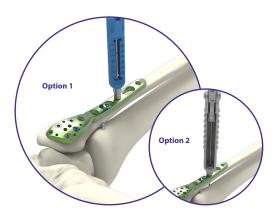


Option 2 - Determine the screw length using the length gauge.



9. Using the grey screwdriver, insert and lock the non-anodized Ø2.8 mm locking screws.





10. Using the blue \emptyset 2.7 mm threaded guide gauge, drill (\emptyset 2.7 mm).

 $\mbox{\sc Option}\mbox{\sc 1}$ - Determine the screw length using the drill bit and guide gauge.

Option 2 - Determine the screw length using the length gauge.



11. Using the countersink part of the blue 2-in-1 instrument, widen the first cortex previously drilled. Insert a blue Ø3.5 mm locking screw using the screwdriver part of the blue 2-in-1 instrument and lock it.



Repeat previous steps to insert the remaining Ø3.5 mm screws in the plate.

The final tightening of the screws must be performed by hand.

References: Initial A - Fibula kits



| INITIAL A™ - FIBULA KITS | | | | |
|--------------------------|---|--|--|--|
| Ref. | Description | | | |
| KIT-AL1D | Distal fibula kit - Standard - Right - Size 1 | | | |
| KIT-AL1G | Distal fibula kit - Standard - Left - Size 1 | | | |
| KIT-AL2D | Distal fibula kit - Standard - Right - Size 2 | | | |
| KIT-AL2G | Distal fibula kit - Standard - Left - Size 2 | | | |
| KIT-AL3D | Distal fibula kit - Standard - Right - Size 3 | | | |
| KIT-AL3G | Distal fibula kit - Standard - Left - Size 3 | | | |
| KIT-AL1S | Distal fibula kit - Narrow symmetrical - Size 1 | | | |
| KIT-AL2S | Distal fibula kit - Narrow symmetrical - Size 2 | | | |

INITIAL A™ - FIBULA KIT - INSTRUMENTATION CONTENT

Description

Ø2.0 mm quick coupling drill bit - L 125 mm

Ø2.7 mm quick coupling drill bit - L 125 mm

Ø2.0 mm threaded guide gauge for Ø2.8 mm screws

Ø2.7 mm threaded guide gauge for Ø3.5 mm screws

Handle for guide gauge

Length gauge for Ø2.8 and Ø3.5 mm screws - L 10-60 mm

2.0 mm hexagonal prehensor screwdriver

2 in 1: 2.5 mm hexagonal prehensor screwdriver - Ø3.5 mm countersink

Pin - Ø1.4 L120 mm (x2)

NB: Supplemental screws are available in sterile package (cf: Initial A^* additional kits, additional implants).

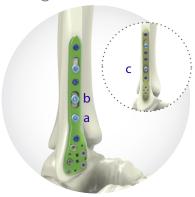
| IITIAL A™ - | FIBULA KIT | S - IMPLANTS CONTENT | QUANTITY | Y PER KIT | | | |
|---|---------------------|---|-------------------------|-------------------------|-------------------------|----------|---------|
| | Ref. | Description | KIT-AL1D or KIT-AL1G | KIT-AL2D or KIT-AL2G | KIT-AL3D or KIT-AL3G | KIT-AL1S | KIT-AL2 |
| STANDARD PLATES | RTDLS1 or RTGLS1 | Lateral plate for distal fibula - Standard Right or left - Size 1 | 1 | - | - | - | - |
| | RTDLS2 or RTGLS2 | Lateral plate for distal fibula - Standard Right or left - Size 2 | - | 1 | - | - | - |
| | RTDLS3 or RTGLS3 | Lateral plate for distal fibula - Standard Right or left - Size 3 | - | - | 1 | - | - |
| NARROW | RTSLN1 | Lateral plate for distal fibula -Narrow symmetrical - Size 1 | - | - | - | 1 | - |
| PLATES | RTSLN2 | Lateral plate for distal fibula - Narrow symmetrical - Size 2 | - | - | - | - | 1 |
| | SDT2.8L10 | Locking screw - Ø2.8 mm - L 10 mm | 1 | 1 | 1 | - | - |
| LOCKING SCREWS | SDT2.8L12 | Locking screw - Ø2.8 mm - L 12 mm | 1 | 1 | 1 | - | - |
| | SDT2.8L14 | Locking screw - Ø2.8 mm - L 14 mm | 2 | 2 | 2 | 1 | 1 |
| Ø2.8 MM | SDT2.8L16 | Locking screw - Ø2.8 mm - L 16 mm | 2 | 2 | 2 | 2 | 2 |
| | SDT2.8L18 | Locking screw - Ø2.8 mm - L 18 mm | 2 | 2 | 2 | 1 | 1 |
| | SOT3.5L12 | Locking screw - Ø3.5 mm - L 12 mm | 1 | 2 | 3 | 2 | 2 |
| LOCKING SCREWS | SOT3.5L14 | Locking screw - Ø3.5 mm - L 14 mm | 1 | 2 | 2 | 2 | 2 |
| Ø3.5 MM | SOT3.5L16 | Locking screw - Ø3.5 mm - L 16 mm | 1 | 1 | 1 | 1 | 2 |
| | SOT3.5L18 | Locking screw - Ø3.5 mm - L 18 mm | 1 | 1 | 1 | - | - |
| | CT3.5L12 | Standard cortical screw - Ø3.5 mm - L 12 mm | - | 1 | 1 | - | 1 |
| | CT3.5L14 | Standard cortical screw - Ø3.5 mm - L 14 mm | 1 | 1 | 2 | 1 | 1 |
| STANDARD CORTICAL SCREWS Ø3.5 MM | CT3.5L16 | Standard cortical screw - Ø3.5 mm - L 16 mm | 1 | 1 | 1 | 1 | 1 |
| | CT3.5L18 | Standard cortical screw - Ø3.5 mm - L 18 mm | - | 1 | 1 | - | - |
| | CT3.5L20 | Standard cortical screw - Ø3.5 mm - L 20 mm | 1 | - | - | - | - |
| | CT3.5L22 | Standard cortical screw - Ø3.5 mm - L 22 mm | - | 1 | 1 | 1 | 1 |
| | CT3.5L24 | Standard cortical screw - Ø3.5 mm - L 24 mm | 1 | - | - | - | - |

Surgical technique: Initial A - Syndesmosis kit

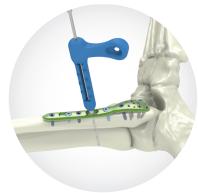
Example: surgical technique with a right standard plate, size 2 (KIT-AL2D + KIT-AMS).

(Same technique for all standard and narrow plates)

The final tightening of the screws must be performed

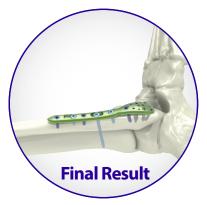


- 1. The syndesmotic screw can be inserted in the following holes:
- For the standard plates:
- a. The most distal diaphyseal hole,
- **b.** The most distal oblong hole,
- For the narrow plates:
- c. The most distal oblong hole.



2. Drill using the non threaded bent long guide gauge in the holes designed for syndesmotic screws. The drilling length can be directly measured on the guide gauge.

A It is compulsory to use this guide.



Insert the syndesmotic screw and finalize the tightening with the screwdriver part of the blue 2-in-1 instrument from the Initial A"- Fibula kit.



NB: The syndesmotic screw must be removed using the removal kit for Ø3.5 mm screws (ref: KIT-REMOVE-A) once the syndesmosis has healed, usually after six to eight weeks.

References: Initial A - Syndesmosis kit



INITIAL A™ - SYNDESMOSIS KIT Description KIT-AMS Syndesmosis kit

| INITIAL A™ - SYNDESMOSIS KIT CONTENT | |
|--|-----|
| Description | Qty |
| Ø2.7 mm quick coupling drill bit - L 180 mm | 1 |
| Ø2.7 mm non threaded bent long guide gauge for Ø3.5 and Ø4.0 mm screws | 1 |
| 2.5 mm quick coupling hexagonal screwdriver | 1 |
| Washer | 2 |

SYNDESMOSIS KIT* Description Qty CT3.5L40-ST Standard cortical screw - Ø3.5 mm - L 40 mm - STERILE 2 CT3.5L45-ST Standard cortical screw - Ø3.5 mm - L 45 mm - STERILE CT3.5L50-ST Standard cortical screw - Ø3.5 mm - L 50 mm - STERILE 3 CT3.5L55-ST Standard cortical screw - Ø3.5 mm - L 55 mm - STERILE CT3.5L60-ST Standard cortical screw - Ø3.5 mm - L 60 mm - STERILE 2 Standard cortical screw - Ø3.5 mm - L 65 mm - STERILE 2 QT4.0L40-ST Lag screw - Ø4.0 mm - L 40 mm - STERILE 3

STERILE SCREWS FOR INITIAL A™ - AVAILABLE SEPARATELY -

QT4.0L45-ST Lag screw - Ø4.0 mm - L 45 mm - STERILE QT4.0L50-ST Lag screw - Ø4.0 mm - L 50 mm - STERILE 3 QT4.0L55-ST Lag screw - Ø4.0 mm - L 55 mm - STERILE QT4.0L60-ST Lag screw - Ø4.0 mm - L 60 mm - STERILE 3 QT4.0L65-ST Lag screw - Ø4.0 mm - L 65 mm - STERILE

*CT3.5Lxx: Light blue anodized. QT4.0Lxx: Non anodized.

Surgical technique Initial S™- 4.0 cannulated screw for medial malleolus fractures



1. Insert the Ø1.3 mm pin to stabilize the two fragments.



2. Slide the length gauge along the Ø1.3 mm pin until the cortex is reached (a). Determine the insertion depth using the marking on the pin (b).

NB: The pin can then be inserted deeper in order to prevent its removal during drilling.



3. Select the appropriate screw length and insert the screw along the pin using the screwdriver part of the 2-in-1 instrument until the desired reduction and compression are achieved. Then remove the pin.



FINAL RESULT



Compression washer



NB: In case of osteoporotic bone, it is possible to add a compression washer under the screw head before step 3 to obtain an optimized compression.

Optional steps:

These steps can be done before screwing.

 $1\text{-}\ln$ case of a hard bone density or several cortices, it is recommended to drill before the screw insertion. The drilling depth can be checked using the marking on the drill bit.



2- If reaming is required, widen the surface of the insertion using the countersink part of the 2-in-1 instrument.





the power tool. In the latter case, it is recommended to finalize the screwing by hand.

To release the 2-in-1 instrument, press the button (c).

References

| STERILE INSTRUMENTATION FOR Ø4.0 MM CANNULATED SCREWS | | | | |
|---|-------------------|---|-----|--|
| Kit | Description | Content | Qty | |
| KIT-SCQ4.0 | Kit for Ø4.0 mm | Length gauge for pin Ø1.3 mm - L120 mm | 1 | |
| | cannulated headed | 2 in 1: 2.5 mm hexagonal screwdriver - Ø6.0 mm countersink | 1 | |
| | screws | Ø2.9 mm drill bit - cannula 1.4 mm - L 120 mm - AO Ø4.5 mm quick coupling | 1 | |
| | | Washer | 2 | |
| | | Pin Ø1.3 L140 mm | 3 | |
| | | 5.8 mm single use handle | 1 | |
| | | | | |

| CANNULATED HE | ADED SCREWS Ø4.0 MM* |
|-----------------|--|
| Réf. | Description |
| H1.4QT4.0Lxx-ST | Self-drilling compressive screw - Ø4.0 mm - cannulated Ø1.4 mm - short thread - L xx mm (from 26 to 70) - 2 mm increment - STERILE |

*Available separately in sterile version.

References: Additional kits

> Additional implants

Sterile screws ---LOCKING SCREWS - Ø2.8 mm* Ref. Description SDT2.8L10-STI Locking screw - Ø2.8 mm - L 10 mm - STERILE 1 SDT2.8L12-STI Locking screw - Ø2.8 mm - L12 mm - STERILE 1 SDT2.8L14-STI Locking screw - Ø2.8 mm - L14 mm - STERILE 1 SDT2.8L16-STI Locking screw - Ø2.8 mm - L16 mm - STERILE 1 SDT2.8L18-STI Locking screw - Ø2.8 mm - L18 mm - STERILE 1 SDT2.8L20-STI Locking screw - Ø2.8 mm - L 20 mm - STERILE 2 SDT2.8L22-STI Locking screw - Ø2.8 mm - L22 mm - STERILE 2 SDT2.8L24-STI Locking screw - Ø2.8 mm - L 24 mm - STERILE 1 "Not anodized

| | | Salmonno |
|-----------------|---|----------|
| LOCKING S | SCREWS - Ø3.5 mm* | |
| Ref. | Description | Qty |
| SOT3.5L10-ST | Locking screw-Ø3.5 mm-L 10 mm-STERILE | 2 |
| SOT3.5L12-ST | Locking screw - Ø3.5 mm - L 12 mm - STERILE | 1 |
| SOT3.5L14-ST | Locking screw - Ø3.5 mm - L 14 mm - STERILE | 1 |
| SOT3.5L16-ST | Locking screw - Ø3.5 mm - L 16 mm - STERILE | 1 |
| SOT3.5L18-ST | Locking screw - Ø3.5 mm - L 18 mm - STERILE | 2 |
| SOT3.5L20-ST | Locking screw - Ø3.5 mm - L 20 mm - STERILE | 2 |
| SOT3.5L22-ST | Locking screw - Ø3.5 mm - L 22 mm - STERILE | 2 |
| SOT3.5L24-ST | Locking screw - Ø3.5 mm - L 24 mm - STERILE | 2 |
| *Blue anodized. | | |

STANDARD CORTICAL SCREWS - Ø3.5 mm*

Description Qty CT3.5L10-ST Standard cortical screw - Ø3.5 mm - L10 mm - STERILE 2 CT3.5L12-ST Standard cortical screw - Ø3.5 mm - L12 mm - STERILE 1 CT3.5L14-ST Standard cortical screw - Ø3.5 mm - L14 mm - STERILE 1 CT3.5L16-ST Standard cortical screw - Ø3.5 mm - L16 mm - STERILE 1 CT3.5L18-ST Standard cortical screw - Ø3.5 mm - L18 mm - STERILE 1 CT3.5L20-ST Standard cortical screw - Ø3.5 mm - L20 mm - STERILE 2 CT3.5L22-ST Standard cortical screw - Ø3.5 mm - L22 mm - STERILE 2 CT3.5L24-ST Standard cortical screw - Ø3.5 mm - L24 mm - STERILE 2



* Light blue anodized.

Also available on demand

Longer standard cortical screws (30 to 38 mm long) are available on demand. To order, use the code CT3.5Lxx-ST and replace "xx" by the desired length. Example: "CT3.5L30-ST"

> Removal and rescue kits

Sterile instruments

| REMOVAL KITS | | | | | | |
|--|---|--|--|--|--|--|
| Description | Content | | | | | |
| Removal kit for hexagonal stamp 2.0 mm | • 1x 2.0 mm hexagonal prehensor screwdriver | | | | | |
| Removal kit for hexagonal stamp 2.5 mm | • 1x 2 in 1: 2.5 mm hexagonal prehensor screwdriver - Ø3.5 mm countersink | | | | | |
| RESCUE KITS | | | | | | |
| Description | Content | | | | | |
| Rescue kit for Ø2.8 mm screws - Initial C & Initial A | 1x Ø2.0 mm quick coupling drill bit - L 125 mm 1x Ø2.0 mm threaded guide gauge for Ø2.8 mm screws | | | | | |
| Rescue kit for Ø3.5 mm screws - Initial A | 1x Ø2.7 mm quick coupling drill bit - L 125 mm 1x Ø2.7 mm threaded guide gauge for Ø3.5 mm screws 1x Handle for guide gauge 1x Length gauge for Ø2.8 and Ø3.5 mm screws - L 10-60 mm 2x Pins - Ø1.4 L120 mm | | | | | |
| | Description Removal kit for hexagonal stamp 2.0 mm Removal kit for hexagonal stamp 2.5 mm Description Rescue kit for Ø2.8 mm screws - Initial C & Initial A Rescue kit for Ø3.5 mm screws | | | | | |

^{*} WARNING: When using a drill or locking guide gauge from a rescue kit, only use it in combination with the instruments of the same rescue kit to guarantee an accurate measure.



Supplemental instrumentation kits

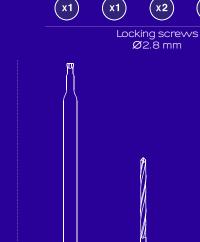
> Templates

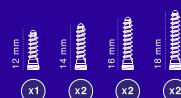
Sterile templates

| INITIAL A™ TEMPLATES | | | |
|---------------------------------------|--|-----|--|
| Ref. | Description | Qty | |
| ANC607 | Standard lateral fibula template plate - Sizes 1/2/3 - Right side and left side | 1 | |
| C C C C C C C C C C C C C C C C C C C | | | |
| ANC659 | Narrow lateral fibula template plate - Sizes 1/2 | 1 | |
| 00 | 0 0 0 0 0 0L1 0L2 | | |

This information is intended to demonstrate the Newclip Technics product. These products must be handled and/or user instructions before using any Newclip Technics product. These products must be handled and/or user instructions before using any Newclip Technics product. implanted by trained and qualified staff who have read the instructions before use. A surgeon must always rely on her or his own professional clinical judgement when deciding whether to use a particular product when treating a particular patient. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Newclip Technics representative if you have questions about the availability of Newclip Technics products in your area.

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(x1)

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Ø3.5 mm









Ø3.5 mm

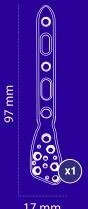








Left Distal Fibula Lateral Standard Size 2











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(x2)

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