Ready when you are!
With a non sterile standard kit

Constraints
- Complex traceability
- Contracted out sterilization
- Suppliers' deadline

High costs
- $ Stocks
- $ Control
- $ Cleaning
- $ Decontamination
- $ Sterilization

Bulky storage

Complex process
1. Delivery
2. Storage
3. Unpacking
4. Control
5. Decontamination
6. Cleaning
7. Drying
8. Control
9. Packaging of the kit
10. Sterilization
11. Surgery
12. Decontamination
13. Cleaning
14. Drying
15. Control
16. Traceability
17. Restocking
18. Packaging of the kit
19. Sterilization
20. Storage

Prevents an effective solution & a quick response

INCREASED RISKS
NON OPTIMAL surgery

URGENT SURGICAL CASES COMPROMISED
Safety

Cost efficiency

- Controlled stocks
- Simplified control
  - Cleaning
  - Decontamination
  - Sterilization
- Sundry expenses
- Optimized storage

Efficiency

- Ready-to-use for surgery

- An effective solution & a quick response

- Available when needed

With the kit

Ready when you are!
Available when needed:
The Initial F™ - MTP kit comes pre-sterilized and ready to use. The combination of sterile implants and single use instrumentation in a single packaging makes Initial F™ - MTP ideal for use in urgent surgical cases.

Costs:
Initial F™ - MTP is a cost-effective solution. The additional costs including cleaning, decontamination, sterilization of kits are cancelled.

Safety:
The Initial F™ - MTP kit is fully traceable and has a shelf life of 5 years. Its instrumentation and implants are “always new” and have never been opened or used before.

Storage:
Initial F™ - MTP kit can be easily stored in the operating room because of its small size.

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

Buying procedure:
Initial F™ - MTP facilitates buying procedures: restocking and orders are simplified, stock management is optimized.
Initial F™ - MTP kits

Technical features

Plate for the first metatarso-phalangeal (MTP) joint arthrodesis

Examples of applications: hallux rigidus, severe hallux valgus, polyarthritis

- Range of precontoured plates: 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.

- Low profile plate: 1.7 mm thick, thus limiting soft tissue irritation risks while providing an optimized mechanical stability.

- Hole for pin to temporarily stabilize the plate.

- Oblong hole for pin to achieve compression without removing the pin and to ensure the guiding on the metatarsal.

- Ramp oblong hole

- 3 standard sizes and 1 narrow size of plates for the right (green plates) and left (blue plates) sides offering versatile solutions.

Indications

The Footmotion Plating System range is intended for arthrodeses, fractures and osteotomies fixation and revision surgeries of the foot 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 implants into the bone.
- Muscular deficit, neurological deficiency or behavioral disorders, which could submit the implant 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 BENDING

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 to avoid damaging the fixation.
Initial F™ - MTP kits
Implants - Technical features

Fixations and screws

- A single screw diameter: Ø2.8 mm. Both locking (SLT2.8Lxx) and non locking screws (RLT2.8Lxx) are available.

- Screw head is buried in the plate (1) to limit the risk of soft tissue irritation.

- The hexalobular screw stamp.

Efficient locking

- Features:
  - The screw head is stopped in the hole by its cap, ensuring the locking,
  - The screw head is buried in the plate,
  - Plate and screws are all made of titanium alloy.

  Coaptation of both profiles during locking.

Specific fixations for stable assembly

Ramp oblong hole

The ramp oblong hole enables a simple and controlled compression by its screw-plate interface.

Hole for transfixation screw

The transfixation screw available on standard plates goes through the 1st MTP joint providing stability to the assembly.

Holes for converging screws in the distal and proximal areas

Distal converging screws

Proximal converging screws
Initial F™ - MTP kits
Instrumentation - Technical features

Convex and concave reamers
Convex and concave reamers are used respectively to prepare the surfaces of the head of the first metatarsal and the base of the phalanx, ensuring congruity of the joint.

Handle for guide gauge
Before performing the drilling into the oblong hole, snap the handle for guide gauge on the Ø2.0 mm threaded guide gauge.

Templates

The Initial F™ - MTP templates are available separately and allow to quickly and simply determine the appropriate kit.

• REAMER TEMPLATE
The template for Initial F™ - MTP - Reamers kits allows to determine the appropriate reamer diameter (Ø16 mm, Ø19 mm or Ø22 mm) to be used for joint preparation.

• IMPLANT TEMPLATE
The template for Initial F™ - MTP kits allows to determine the desired plate size prior to open a kit.
Initial F™ - MTP kits
Surgical technique -
Joint surfaces preparation

Example: surgical technique with a Ø16 mm reamers kit (KIT-MI16).

1. Dislocate the joint so as to expose the head of the first metatarsal and the proximal base of the first phalanx.

2. Use the reamers template to determine the appropriate reamers kit for joint preparation.

3. Insert the Ø1.6 mm pin through the head of the first metatarsal into the medullary cavity.
   With the chosen convex reamer, progressively remove the cartilage surface.
   Then, remove the reamer and the pin.

4. Expose the base of the phalanx and insert the Ø1.6 mm pin to achieve the proper alignment with the diaphysis.

5. Take a concave reamer with the same diameter as the convex reamer (determined at step 2). Insert it along the pin and perform the reaming until the cartilage surface has been removed.
   Then, remove the reamer and the pin.
Initial F™ - MTP kits

Surgical technique

Example: surgical technique with a standard plate, size 1 (KIT-MD1D)

1. Select the correct kit according to the template.

2. Position the joint in the desired direction and stabilize it using a Ø1.6 mm pin. Then, position the plate and stabilize it temporarily by inserting a Ø1.2 mm pin into the proximal part of the oblong hole for pin.

3. Lock the Ø2.0 mm threaded guide gauge into the distal lateral hole and perform the drilling.
   - Option 1 - Determine the screw length directly on the drill at the rear of the drill guide.
   - Option 2 - Determine the screw length using the length gauge.

4. Insert the Ø2.8 mm green locking screw with the screwdriver. Repeat the same procedure for the most distal hole (1).

5. Snap the handle for guide gauge and perform the drilling using the assembly into the proximal part of the ramp oblong hole.
   - Option 1 - Determine the screw length directly on the drill at the rear of the drill guide.
   - Option 2 - Determine the screw length using the length gauge.

6. In the ramp oblong hole, insert a Ø2.8 mm yellow non-locking screw and perform the compression using the screwdriver. Insert the Ø2.8 mm green locking screws into the 2 proximal holes following the steps 2 & 3, then remove the pins.

Drill through the distal hole dedicated for the transfixation screw (2). Finalized the osteosynthesis by inserting a Ø2.8 mm yellow non-locking screw using the screwdriver.

The final tightening of the screws must be performed by hand.
The narrow plates are designed to be combined with the use of a stand-alone screw, cannulated or solid based on the surgeon’s preference, to fix the joint using the technique of her/his choice.

1. Secure the joint temporarily using a Ø1.6 mm pin (1), then position the plate and stabilize it temporarily by inserting a Ø1.2 mm pin into the proximal part of the oblong hole for pin.

2. Lock the Ø2.0 mm threaded guide gauge into the distal lateral hole and perform the drilling.
   - **Option 1** - Determine the screw length directly on the drill at the rear of the drill guide.
   - **Option 2** - Alternatively determine the screw length using the length gauge.

3. Insert the Ø2.8 mm green locking screw with the screwdriver. Repeat the same procedure for all the distal holes (2).

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

4. Snap the handle for guide gauge and perform the drilling using the assembly into the proximal part of the ramp oblong hole.
   - **Option 1** - Determine the screw length directly on the drill at the rear of the drill guide.
   - **Option 2** - Determine the screw length using the length gauge.

5. In the oblong hole, insert a Ø2.8 mm yellow non locking screw, then perform the compression using the screwdriver.
   - Insert the Ø2.8 mm green locking screws into the 2 proximal holes following the steps 2 & 3.
   - Then remove the pins.
### Initial F™ - MTP Kits

#### References

NB: Supplemental screws are available in sterile package (cf.: Initial F™ - MTP™ additional kits, additional implants)

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#### Initial F™ - MTP Kits - Instrumentation Content

<table>
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<tr>
<td>Ø2.0 mm threaded guide gauge for Ø2.8 mm screws</td>
<td>Kit-MD1G</td>
</tr>
<tr>
<td>Length gauge for Ø2.8 and Ø3.5 mm screws - L8-40 mm</td>
<td>Kit-MD2D</td>
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<tr>
<td>T8 prehensor screwdriver</td>
<td>Kit-MD2G</td>
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<tr>
<td>Handle for guige gauge</td>
<td>Kit-MD3D</td>
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<tr>
<td>Pin Ø1.2 L70 mm</td>
<td>Kit-MD3G</td>
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<tr>
<td>Pin Ø1.6 L100 mm</td>
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<td>Pin Ø1.6 L100 mm</td>
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#### Initial F™ - MTP Kits - Implants Content

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<th>Description</th>
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<td><strong>Standard Plates</strong></td>
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<tr>
<td>FMTGD1</td>
<td>1st MTP arthrodesis plate - Size 1 - Left</td>
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<tr>
<td>FMTDD2</td>
<td>1st MTP arthrodesis plate - Size 2 - Right</td>
<td>-</td>
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<tr>
<td>FMTGD2</td>
<td>1st MTP arthrodesis plate - Size 2 - Left</td>
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<tr>
<td>FMTDD3</td>
<td>1st MTP arthrodesis plate - Size 3 - Right</td>
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<td></td>
<td><strong>Narrow Plates</strong></td>
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<tr>
<td>FMTDDN1</td>
<td>1st MTP arthrodesis plate - Narrow - Size 1 - Right</td>
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</tr>
<tr>
<td>FMTGDN1</td>
<td>1st MTP arthrodesis plate - Narrow - Size 1 - Left</td>
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<tr>
<td></td>
<td><strong>Locking Screws Ø2.8 mm</strong></td>
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<tr>
<td>SLT2.8L12</td>
<td>Locking screw Ø2.8 mm - L12 mm</td>
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<td>SLT2.8L14</td>
<td>Locking screw Ø2.8 mm - L14 mm</td>
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<td>SLT2.8L16</td>
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<td>SLT2.8L18</td>
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<td><strong>Non Locking Screws Ø2.8 mm</strong></td>
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Initial F™ - MTP - Additional sterile implants and kits

References

Additional implants
Sterile screws packaged in the Supplemental sterile screw caddy

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<th>NON LOCKING SCREWS - Ø2.8 mm*</th>
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<td>Non locking screw - Ø2.8 mm - L12 mm - STERILE</td>
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<td>RL72.8L34-ST</td>
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* Yellow anodized
* Green anodized

Removal and rescue kits
Sterile instruments

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<th>REMOVAL AND RESCUE KITS</th>
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<tr>
<td>KIT-REMOVE-2</td>
<td>1 x T8 Prehensor Screwdriver</td>
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<tr>
<td>KIT-RESCUE-4</td>
<td>1 x Ø2.0 mm threaded guide gauge for Ø2.8 mm screws - 1 x Ø2.0 mm quick coupling drill bit – L125 mm - 1 x length gauge for Ø2.8 and Ø3.5 mm screws - L8-40 mm - 1 x handle for guide gauge - 2 x pin Ø1.2 L70 mm - 1 x pin Ø1.6 L100 mm</td>
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Additional instrumentation kits
Convex & Concave reamers

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<th>SINGLE USE CONVEX AND CONCAVE REAMERS - STERILE PACKAGING</th>
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<tr>
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<tr>
<td>KIT-MI16</td>
<td>Ø16 mm reamers kit for 1st MTP arthrodesis</td>
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<tr>
<td></td>
<td>Ø16 mm Initial convex reamer</td>
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<tr>
<td></td>
<td>Ø16 mm Initial concave reamer</td>
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<td>KIT-MI19</td>
<td>Ø19 mm reamers kit for 1st MTP arthrodesis</td>
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<td>KIT-MI22</td>
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<td>Ø22 mm Initial convex reamer</td>
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<td>Ø22 mm Initial concave reamer</td>
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Templates
Sterile templates

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The information presented in this brochure is intended to demonstrate a Newclip Technics product. Always refer to the package insert, product label and/or user instructions before using any Newclip Technics product. Surgeons must always rely on their own clinical judgment when deciding which products and techniques to use with their patients. Products may not be available in all markets. 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.
Kit-MD1D

Example of kit content.

Non locking screws Ø2.8 mm

Locking screws Ø2.8 mm

Right foot 1st MTP Arthrodesis

Size 1

14.6 mm

36.5 mm

Implants material: Titanium TA6V - ISO 5832-3 / ASTM F136

Degree of accuracy for devices with a measuring function: ± 0.8 mm

NEWCLIP TECHNICS (HQ)
PA de la Lande Saint Martin
45 rue des Garottières
44115 Haute Goulaine, France
+33 (0)2 28 21 23 25
orders@newcliptechnics.com
www.newcliptechnics.com

NEWCLIP TECHNICS USA
Newclip USA
642 Larkfield Center
Santa Rosa CA 95403, USA
+1 707 230 5074
customerservice@newclipusa.com
www.newclipusa.com

NEWCLIP TECHNICS IBERIA
Calle Frederic Mompou 4b
Sant Just Desvern
08960 Barcelona, España
+34 938 299 526
contact@newclipiberia.com
www.newclipiberia.com

NEWCLIP TECHNICS GERMANY
Newclip GmbH
Pröllstraße 11
D-86157 Augsburg, Deutschland
+49 (0)821 650 749 40
info@newclipgmbh.com
www.newclipgmbh.de

NEWCLIP TECHNICS JAPAN
Newclip Technics Japan K.K.
KKK Bldg. 502, 3-18-1 Asakusabashi
Taito-Ku, Tokyo, 111-0053, Japan
+81 (0)3 58 25 49 81
Fax: +81 (0)3 58 25 49 86
www.newcliptechnics.com

NEWCLIP TECHNICS AUSTRALIA
Newclip Australia
38/11 Donkin Street
West End 4101, Australia
+61 (0)2 81886110
solutions@newclipaustralia.com
www.newcliptechnics.com