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

Incomplete kit

Defective sterilization

Incomplete kit

Damaged instrumentation

INCREASED RISKS

NON OPTIMAL surgery

URGENT SURGICAL CASES COMPROMISED

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
Safety

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

TRACEABILITY 100% + STERILE SINGLE USE KIT + Always NEW + Risk of contamination

Efficiency
- An effective solution & a quick response
- Available when needed
- Ready-to-use for surgery
- Optimized handling of urgent surgical cases

Hospital

Surgeon

Surgery

Optimized storage

with state-of-the-art implants

Ready when you are!
**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.

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

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

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

**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.

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

**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.
**Initial F - MTP™ kits**

**Technical features**

- **Indications**
  The implants of the Initial F - MTP™ range are 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 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**

  - **Opposite pins** for the right (green plates) and left (blue plates) sides offering versatile solutions.

  - **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** improves torque transmission.

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,** limiting a cold welding risk and improving the removal properties.

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 goes through the 1st MTP joint providing stability to the assembly.

- **Holes for converging screws in the distal and proximal areas**
  
  Converging screws allowing a stable fixation of the system.
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 surfaces.

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, Ø19mm or Ø22mm) to be used for joint preparation.

- IMPLANT TEMPLATE
The template for Initial F - MTP kits allows to determine the desired plate size prior opening a kit.
Example: surgical technique with a Ø16 mm reamers kit (KIT-M116).

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 so as 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.
6. In the ramp oblong hole, insert a Ø2.8 mm yellow non-locking screw and perform the compression using the screwdriver.

5. Snap the handle for guide gauge and perform the drilling using the assembly into proximal part of the ramp oblong hole.
   - **Option 1** - Determine the screw length using the gauge.
   - **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).

3. Lock the Ø2.0 mm threaded guide gauge into the distal lateral hole and perform the drilling.
   - **Option 1** - Determine the screw length using the gauge.
   - **Option 2** - Determine the screw length using the length gauge.

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 dedicated oblong hole pin.

1. Select the correct kit according to the template.

Initial F - MTP™ kits
Surgical technique

Example: surgical technique with a standard plate, size 1 (KIT-MD1D)
**Initial F - MTP™ kits**

References

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### INITIAL F - MTP™ KITS - INSTRUMENTATION CONTENT

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>KIT-MD1D</td>
<td>1st MTP Arthrodesis kit - Right - Size 1</td>
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<tr>
<td>KIT-MD1G</td>
<td>1st MTP Arthrodesis kit - Left - Size 1</td>
</tr>
<tr>
<td>KIT-MD2D</td>
<td>1st MTP Arthrodesis kit - Right - Size 2</td>
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<td>1st MTP Arthrodesis kit - Left - Size 2</td>
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### INITIAL F - MTP™ KITS - IMPLANTS CONTENT

#### PLATES

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<tr>
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<th>Description</th>
<th>KIT-MD1D</th>
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#### LOCKING SCREWS Ø2.8 MM

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<th>Description</th>
<th>KIT-MD1D</th>
<th>KIT-MD1G</th>
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#### NON LOCKING SCREWS Ø2.8 MM

<table>
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NB: Supplemental screws are available in sterile package (cf.: Initial F - MTP™ additional kits, additional implants).
Additional implants
Sterile screws packaged in the Supplemental sterile screw caddy

**NON LOCKING SCREWS - Ø2.8 mm**

<table>
<thead>
<tr>
<th>Ref.</th>
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<td>RLT2.8L10-ST</td>
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<td>RLT2.8L12-ST</td>
<td>Non locking screw - Ø2.8 mm - L 12 mm - STERILE</td>
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<td>Non locking screw - Ø2.8 mm - L 14 mm - STERILE</td>
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<td>RLT2.8L32-ST</td>
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<td>RLT2.8L34-ST</td>
<td>Non locking screw - Ø2.8 mm - L 34 mm - STERILE</td>
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*Yellow anodized

**LOCKING SCREWS - Ø2.8 mm**

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<td>Locking screw - Ø2.8 mm - L 14 mm - STERILE</td>
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<tr>
<td>SLT2.8L16-ST</td>
<td>Locking screw - Ø2.8 mm - L 16 mm - STERILE</td>
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<td>SLT2.8L18-ST</td>
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</table>

*Green anodized

Removal and rescue kits
Sterile instruments

**REMOVAL AND RESCUE KITS**

<table>
<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>KIT-REMOVE-2</td>
<td>Removal kit for T8 hexalobe</td>
<td>- 1 x T8 Prehensor Screwdriver</td>
</tr>
<tr>
<td>KIT-RESCUE-4</td>
<td>Rescue kit for Initial MTP</td>
<td>- 1 x Ø2.0 mm threaded guide gauge for Ø2.8 mm screws</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 1 x Ø2.0 mm quick coupling drill bit – L125 mm.</td>
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</tbody>
</table>

Additional instrumentation kits
Convex & Concave reamers

**SINGLE USE CONVEX AND CONCAVE REAMERS - STERILE PACKAGING**

<table>
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<th>Ref.</th>
<th>Description</th>
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<tr>
<td>KIT-MI16</td>
<td>Ø16 mm reamers kit for 1st MTP arthrodesis</td>
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<tr>
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<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>Ø22 mm Initial concave reamer</td>
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Templates
Sterile templates

**INITIAL F™ - MTP TEMPLATES**

<table>
<thead>
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<tbody>
<tr>
<td>ANC808</td>
<td>1st MTP arthrodesis plates template</td>
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<tr>
<td>ANC846</td>
<td>1st MTP arthrodesis reamers template</td>
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</tbody>
</table>

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.
Ready when you are!
Example of kit content.

Kit-MD1D

- Non locking screws Ø2.8 mm
- Locking screws Ø2.8 mm
- 36 mm
- 15 mm
- 16 mm
- 20 mm
- 14 mm
- 18 mm
- 22 mm
- 26 mm
- 15 mm
- 14 mm
- 18 mm
- 22 mm
- 26 mm
- 15 mm
- 36 mm
- 15 mm
- 36 mm

Right foot
1st MTP Arthrodesis
Size 1

Non contractual pictures.

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