

# PRESERVATION.



MEDIAL COLUMN  
PLATING SYSTEM



# PRESERVATION

## Intended purpose:

The implants of the Footmotion Plating System are intended for arthrodeses, fractures and osteotomies fixation and revision surgeries of the foot in adults.

## Contraindications:

- Pregnancy.
- Acute or chronic, local or systemic infections.
- Allergy to one of the materials used or sensitivity to foreign bodies.

## A COMPREHENSIVE RANGE OF PLATES

### → MEDIAL COLUMN PLATES



#### 2 sizes available



Size 1  
FRTGMV1



Size 2  
FRTGMV2



Size 2  
FRTDMV2



Size 1  
FRTDMV1

Left plates

Right plates

### → DISTAL ARCH PLATES



#### 2 sizes available



Size 1  
FBTGMV1



Size 2  
FBTGMV2



Size 2  
FBTDMV2



Size 1  
FBTDMV1

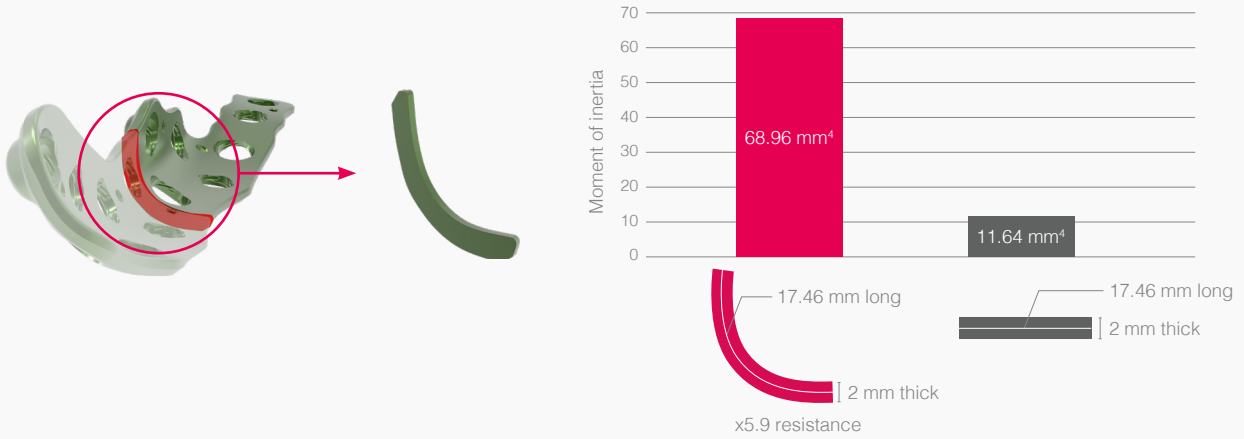
Left plates

Right plates

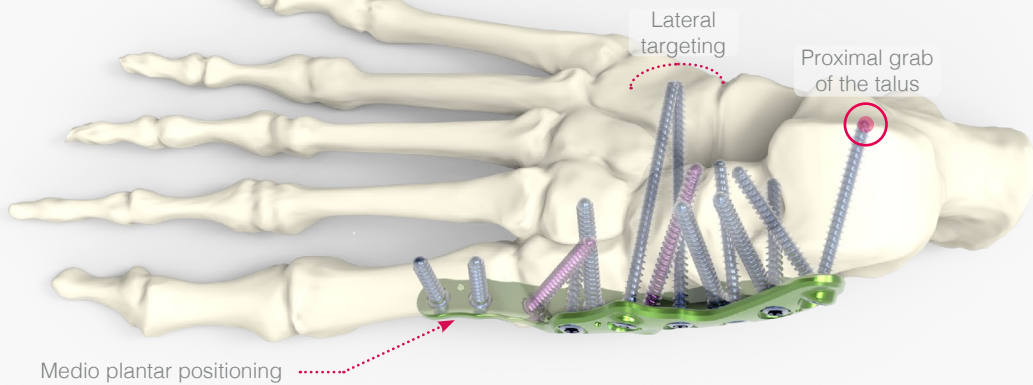
# TECHNICAL FEATURES

## PLATE FEATURES

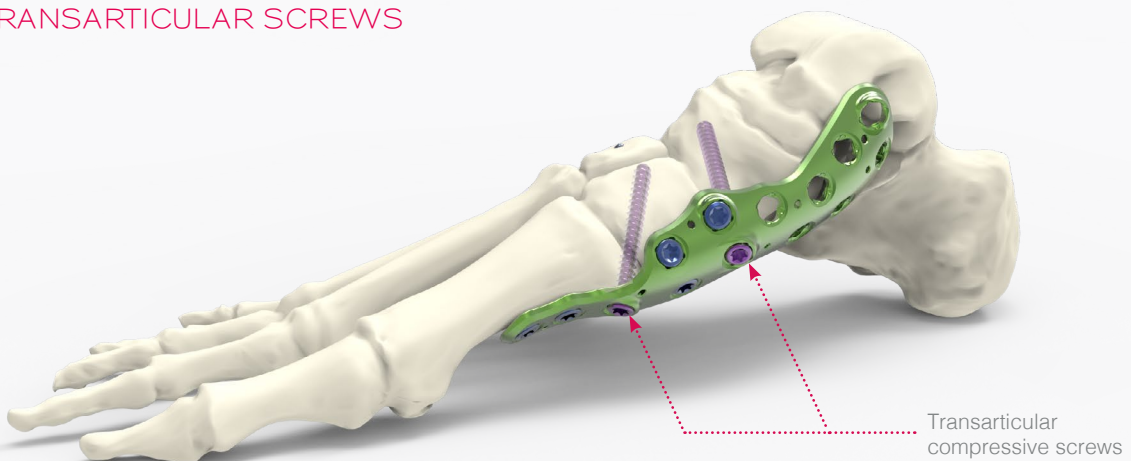
### → L-SHAPED FOR HIGH MECHANICAL PROPERTIES



### → MEDIAL COLUMN CONSTRUCT



### → TRANSARTICULAR SCREWS



# TECHNICAL FEATURES

## ANATOMICAL FEATURES

### Precontoured implants

The design of these implants is the result of a proprietary state-of-the-art mapping technology to establish the maximum congruence between the plate and the bone.

### Bendable plates

However, in the case of difficult bone anatomy, all the Preservation plates can be bent with the appropriate bending pliers (ANC578). The bending of these plates must be performed **once and in one direction only**. Please refer to the IFU for bending precautions.



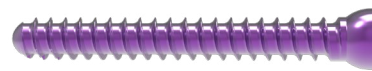
ANC578

## FIXATION AND SCREW FEATURES

### Ø3.5 mm locking and non locking (compressive) screws, from 10 to 50 mm (2 mm incrementation).

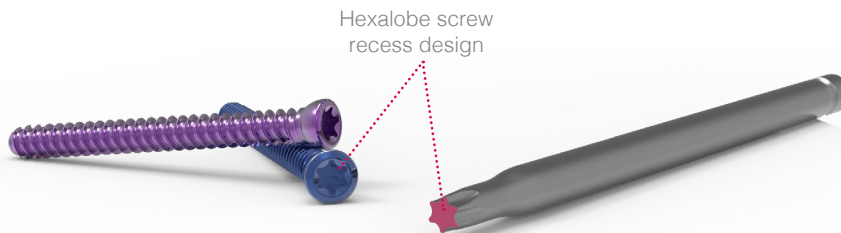
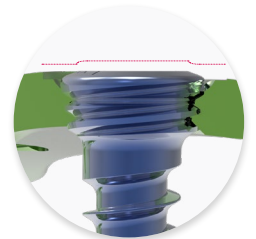


Locking screw (SAT3.5Lxx)



Non locking screw (CAT3.5LxxD)

### Hexalobe screw recess design (T15)

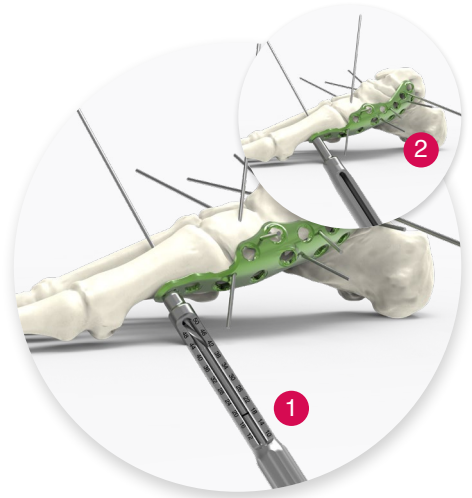
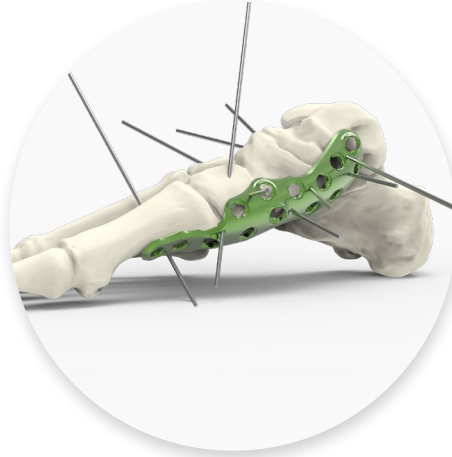


Hexalobe screw recess design

# SURGICAL TECHNIQUE

## MEDIAL COLUMN APPROACH

Surgical technique example using the size 2 medial column plate (FRTDMV2)



1. Perform a medial incision and prepare the joint surfaces using the surgeon's preferred technique.

2. Maintain the medial column in position by using a  $\varnothing 1.6$  mm pin (33.0216.150).

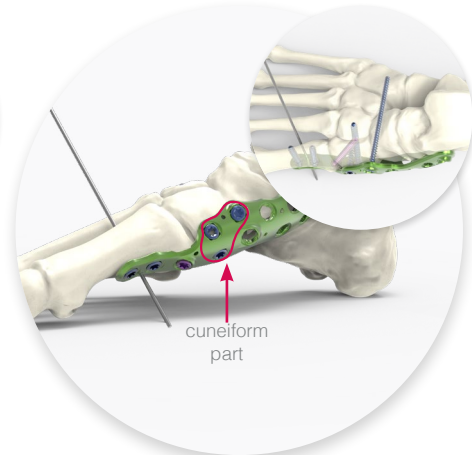
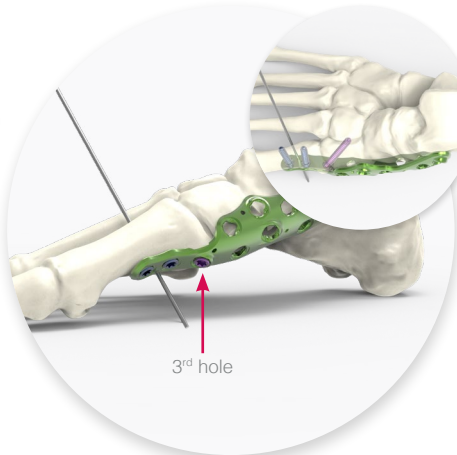
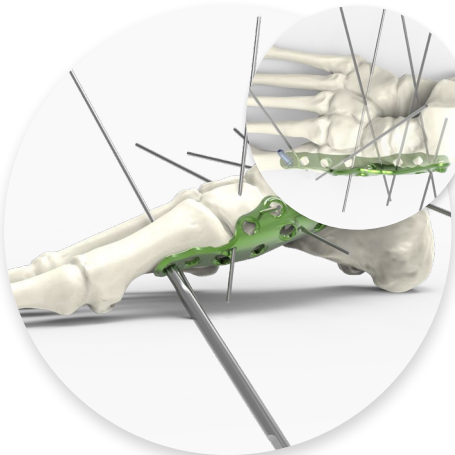
3. The order of screw insertion starts from the most distal hole to the most proximal one.

Select the most appropriate plate shape to fit the bone anatomy\*. Then, check the correct positioning by inserting  $\varnothing 1.2$  mm pins (33.0212.120).

Start by drilling the most distal hole, by using a  $\varnothing 2.7$  mm drill bit (ANC1099) through the  $\varnothing 2.7$  mm threaded guide gauge (ANC1094).

\*If needed the plates can be bent with the appropriate bending irons (ANC578), **once and in one direction only**.

Read the drilling depth on the guide gauge (ANC1094) (1) or by using the length gauge (ANC1095) (2).



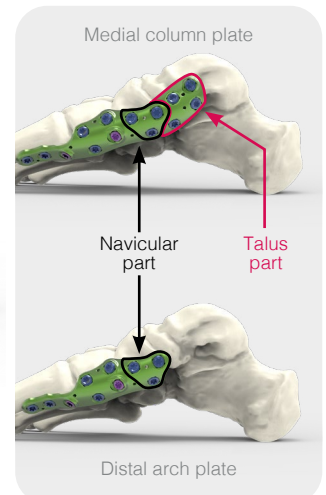
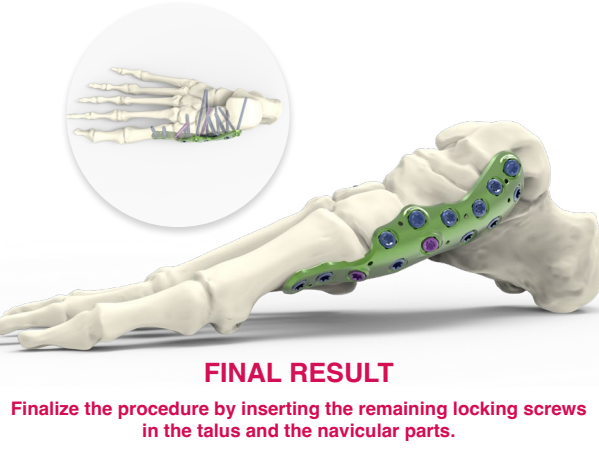
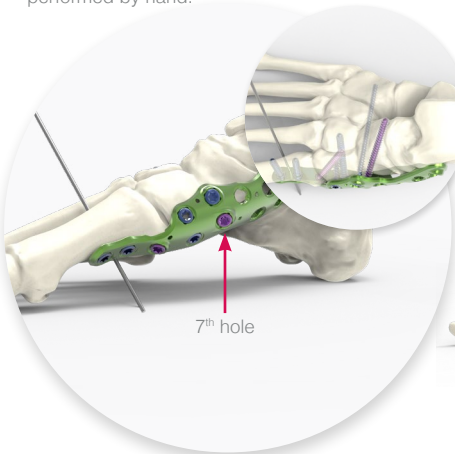
4. Insert a  $\varnothing 3.5$  mm locking screw (SAT3.5Lxx) using the T15 screwdriver (ANC1027).

5. Insert a  $\varnothing 3.5$  mm non locking screw (CAT3.5LxxD) in the 3<sup>rd</sup> hole to compress the 1<sup>st</sup> metatarsal to the cuneiform.

6. Insert  $\varnothing 3.5$  mm locking screws (SAT3.5Lxx) in the cuneiform part. A lateral grab can be done to increase the rigidity of the construct.

All the screws are inserted following the steps 3 and 4.

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



7. Insert a  $\varnothing 3.5$  mm non locking screw (CAT3.5LxxD) in the 7<sup>th</sup> hole to compress the forefoot part to the navicular.

**FINAL RESULT**  
Finalize the procedure by inserting the remaining locking screws in the talus and the navicular parts.

The surgical technique is identical for the distal arch plate (without the talus part).

# REFERENCES

## → PLATES

MEDIAL COLUMN PLATES	
Ref.	Description
FRTGMV1	Medial column arthrodesis plate - Left - Size 1
FRTDMV1	Medial column arthrodesis plate - Right - Size 1
FRTGMV2	Medial column arthrodesis plate - Left - Size 2
FRTDMV2	Medial column arthrodesis plate - Right - Size 2



DISTAL ARCH PLATES	
Ref.	Description
FBTGMV1	Distal arch arthrodesis plate - Left - Size 1
FBTDMV1	Distal arch arthrodesis plate - Right - Size 1
FBTGMV2	Distal arch arthrodesis plate - Left - Size 2
FBTDMV2	Distal arch arthrodesis plate - Right - Size 2



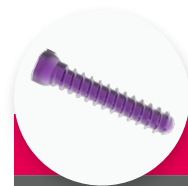
## → SCREWS



### LOCKING SCREWS\*

Ref.	Description
SAT3.5Lxx	Ø3.5 mm locking screw - L10 à 50 mm (2 mm increments)

\* Blue anodized



### NON LOCKING SCREWS\*

Ref.	Description
CAT3.5LxxD	Ø3.5 mm non-locking screw - L10 to 50 mm (2 mm increments)

\* Fuschia anodized

**Remark:** please note that the "xx" in the references represent the length of the screw.  
Ex: the reference for the locking screw with conical head Ø3.5 mm - L10 mm is "SAT3.5L10"

## → INSTRUMENTS

INSTRUMENTS		
Ref.	Description	Qty
ANC350	Ø4.5 mm AO quick coupling handle - Size 1	2
ANC578	Bending pliers	2
ANC642	Opening wedge osteotomy instrument	1
ANC1027	T15 AO quick coupling prehensor screwdriver	2
ANC1094	Ø2.7 mm threaded guide gauge - SAT3.5 hole	2
ANC1095	Length gauge for Ø2.8 and Ø3.5 mm screws	1
ANC1099	Ø2.7 mm quick coupling drill bit - L180 mm	2
33.0212.120	Pin Ø1.2 - L120 mm	6
33.0216.150	Pin Ø1.6 - L150 mm	8

### REMOVAL KIT

If you have to remove Preservation implants, make sure to order the **Newclip Technics removal instruments:**

- ANC350: Ø4.5 mm AO quick coupling handle - Size 1
- ANC1027: T15 AO quick coupling prehensor screwdriver

### REMARK

All the implants are also available in a sterile version. An «-ST» is added to the end of the reference

Ex : «SAT3.5L10-ST»

# KIT DESCRIPTION



This information is intended to demonstrate the Newclip Technics portfolio of medical devices. Always refer to the package insert, product label and/or user instructions including cleaning and sterilization before using any Newclip Technics product. These products must be handled and/or 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.

Manufacturer: Newclip Technics - Brochure EN - PRESERVATION – ED2 – 09/2024 - Medical device EC: class IIb – CE1639 SGS BE - US Class: II - Read labelling and instructions before the use of Newclip Technics medical devices. These products must be handled and/or implanted by trained and qualified staff who have read the instructions before use. Non-contractual pictures. Newclip Technics - 45 rue des Garottières - 44115 Haute Goulaine, France. Our subsidiaries: Newclip USA - Newclip Australia - Newclip Germany - Newclip Japan - Newclip Iberia - Newclip Belgium - Newclip Italia.

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