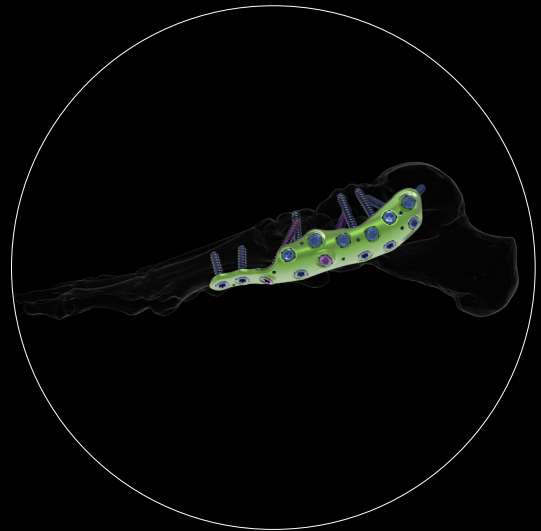
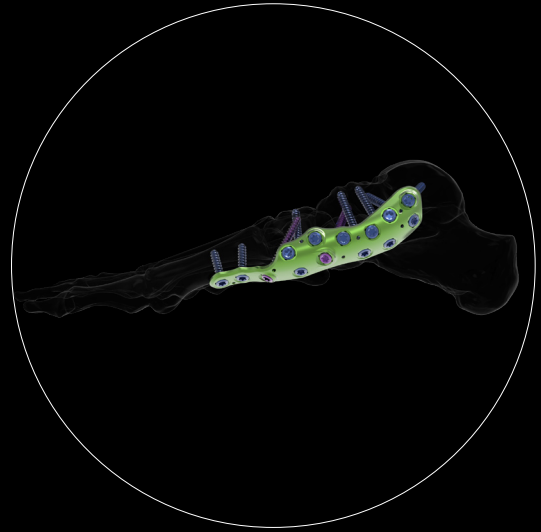
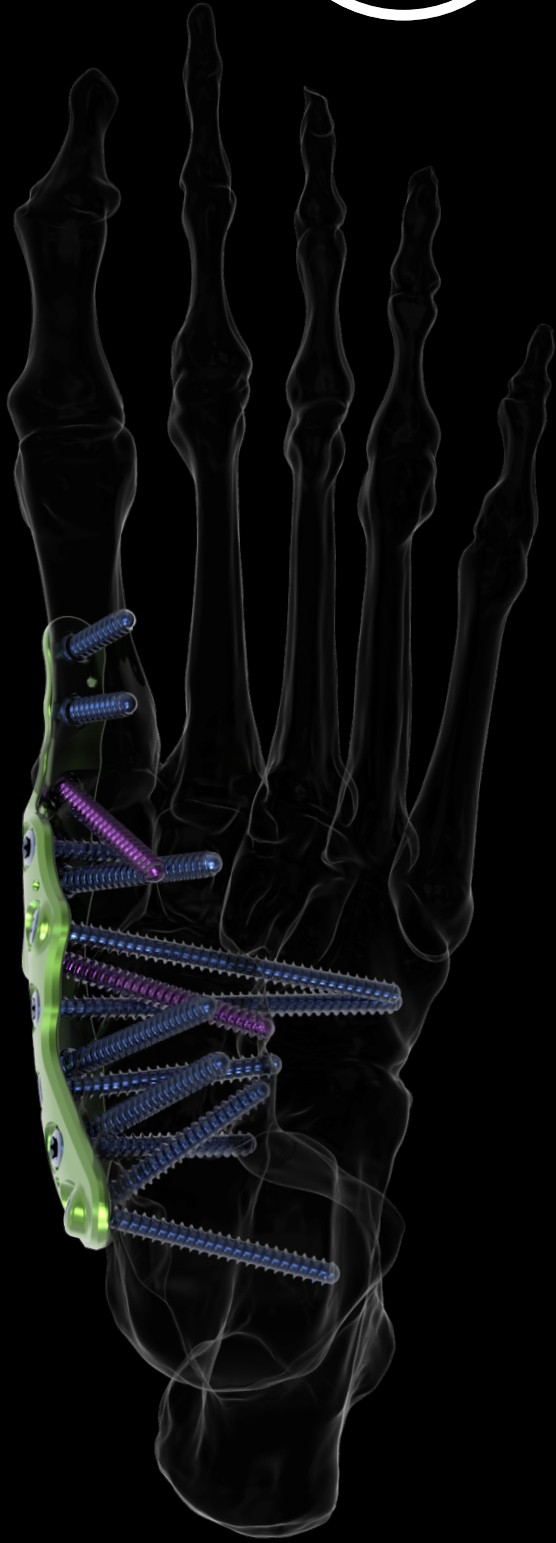




NEWCLIP  
TECHNICS



PRESERVATION

MEDIAL COLUMN PLATING SYSTEM

# PRESERVATION

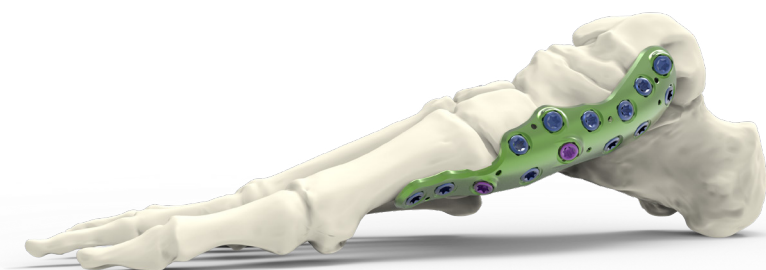
**Indications:** the implants of the Footmotion Plating System are intended for arthrodeses, fractures and osteotomies fixation and revision surgeries of the foot in adults.

**Contraindications:**

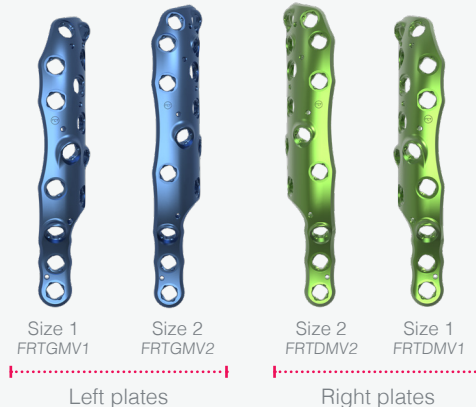
- Serious vascular deterioration, bone devitalization.
- Pregnancy.
- Acute or chronic, local or systemic infections.
- Lack of musculo-cutaneous cover, severe vascular deficiency affecting the concerned area.
- Insufficient bone quality preventing a good fixation of the implants into the bone.
- Muscular 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.

## A COMPREHENSIVE RANGE OF PLATES

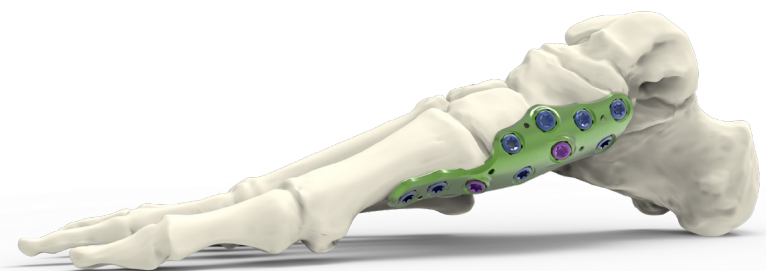
### → MEDIAL COLUMN PLATES



2 sizes available



### → DISTAL ARCH PLATES



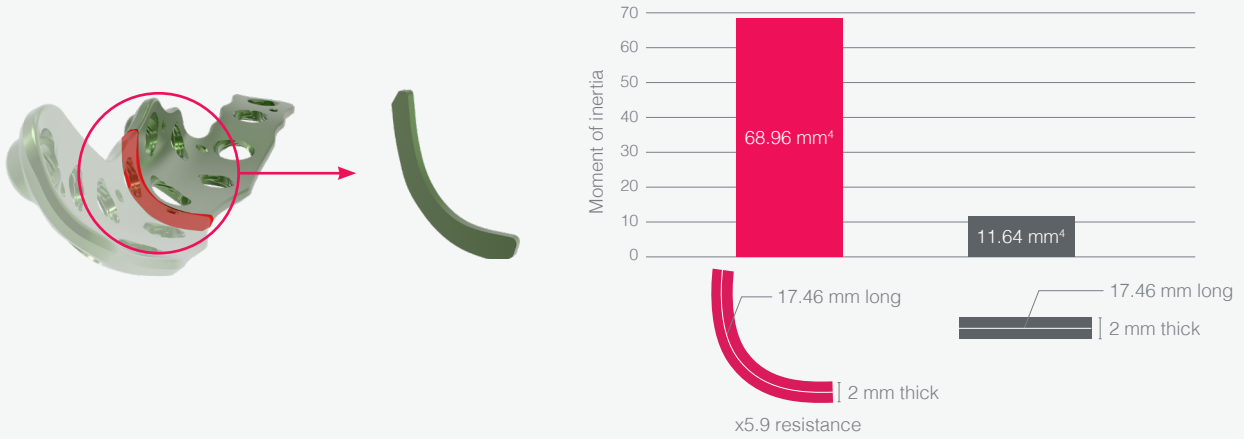
2 sizes available



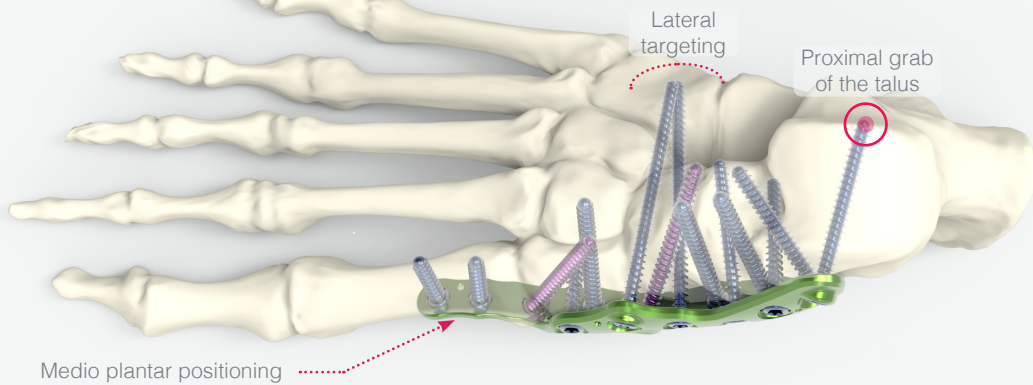
# TECHNICAL FEATURES

## PLATE FEATURES

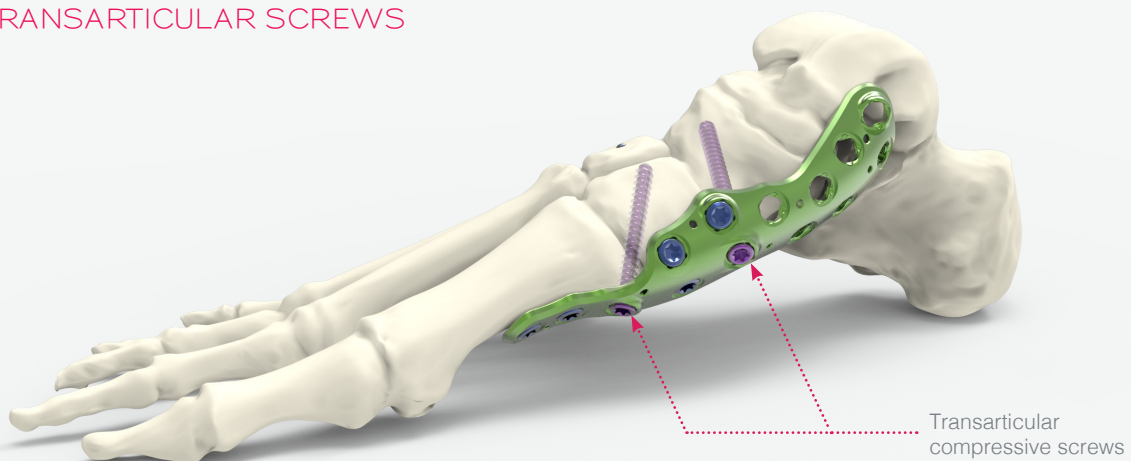
→ L-SHAPED FOR HIGH MECHANICAL PROPERTIES



→ MEDIAL COLUMN CONSTRUCT



→ TRANSARTICULAR SCREWS



# TECHNICAL FEATURES

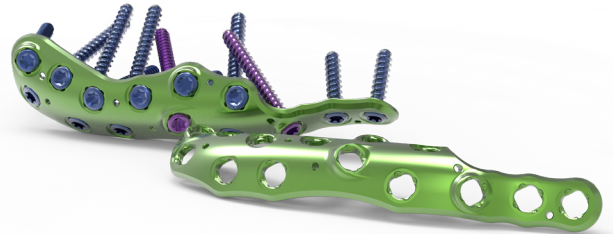
## ANATOMICAL FEATURES

### 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

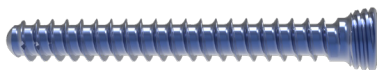
However, in the case of difficult bone anatomy, all the Preservation plates can be bent with the appropriate bending pliers (ANC578). The bending of these plates must be performed **once and in one direction only**. Please refer to the IFU for bending precautions.



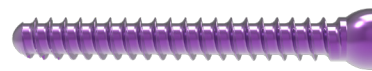
ANC578

## FIXATION AND SCREW FEATURES

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

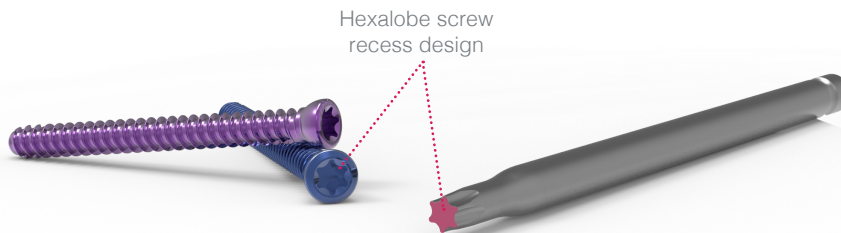
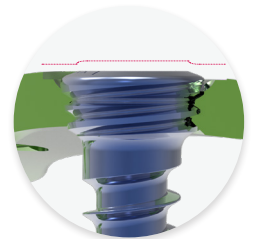


Locking screw (SAT3.5Lxx)



Non locking screw (CAT3.5LxxD)

- The screw head is buried into the plate to minimize discomfort and risk of soft tissue irritation.
- The hexalobe screw recess design (T15) improves torque transmission and the ability to cope with the difficulty arising from screw insertion into the bone.

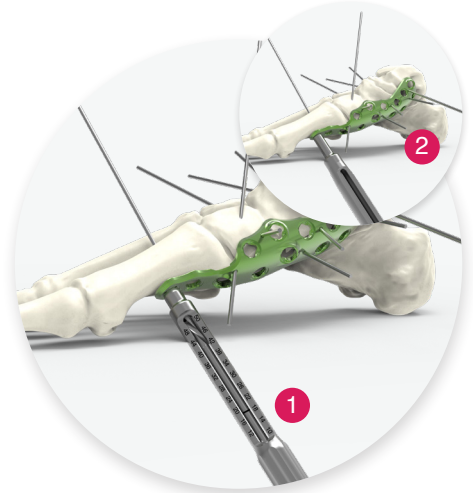
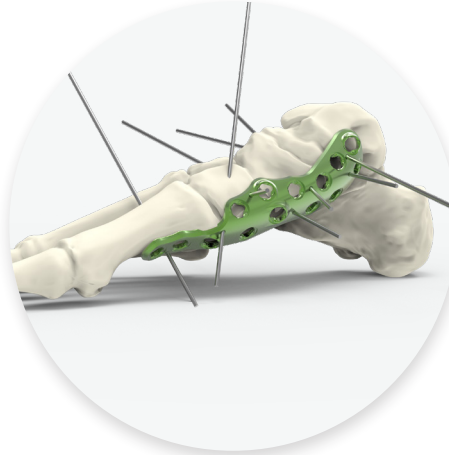


Hexalobe screw recess design

# 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).

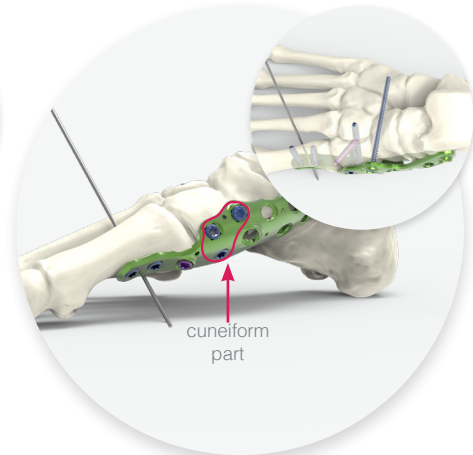
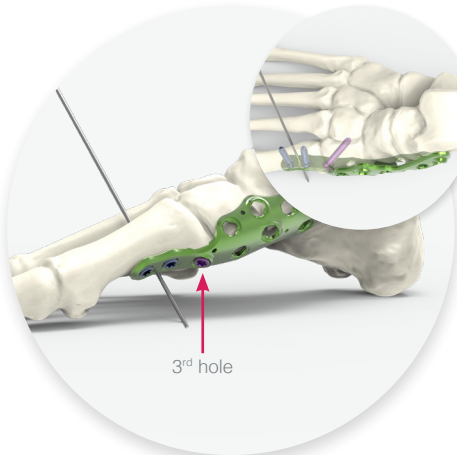
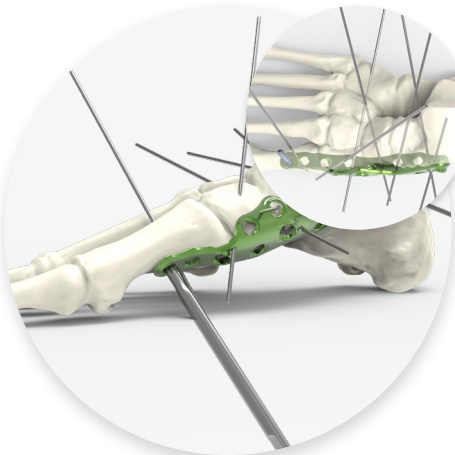
3. The order of screw insertion starts from the most distal hole to the most proximal one.

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).



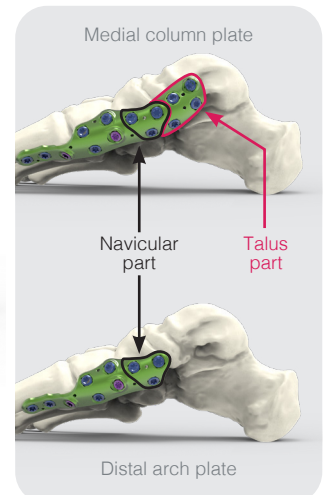
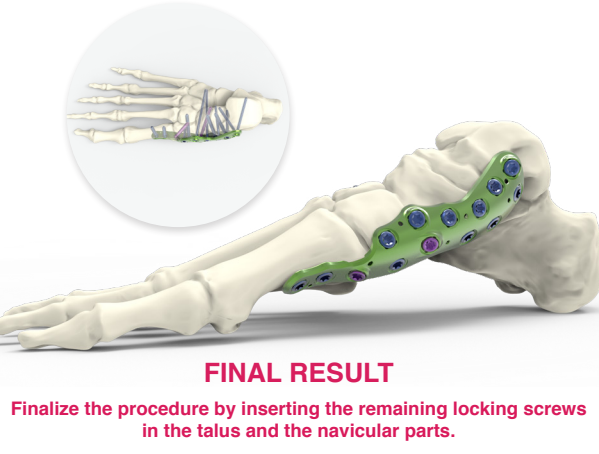
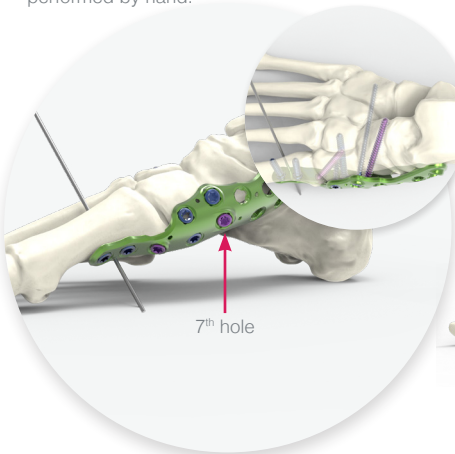
4. Insert a  $\varnothing 3.5$  mm locking screw (SAT3.5Lxx) using the T15 screwdriver (ANC1027).

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

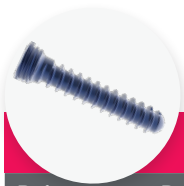


### DISTAL ARCH PLATES

Ref.	Description
FBTGMV1	Plate for distal arch arthrodesis - Left - Size 1
FBTDMV1	Plate for distal arch arthrodesis - Right - Size 1
FBTGMV2	Plate for distal arch arthrodesis - Left - Size 2
FBTDMV2	Plate for distal arch arthrodesis - Right - Size 2



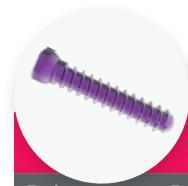
## → SCREWS



### LOCKING SCREWS\*

Ref.	Description
SAT3.5Lxx	Locking screw with conical head - Ø3.5 mm - L10 to 50 mm (2 mm increments)

\* Blue anodized



### NON LOCKING SCREWS\*

Ref.	Description
CAT3.5LxxD	Standard cortical screw - Ø3.5 mm - 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:**

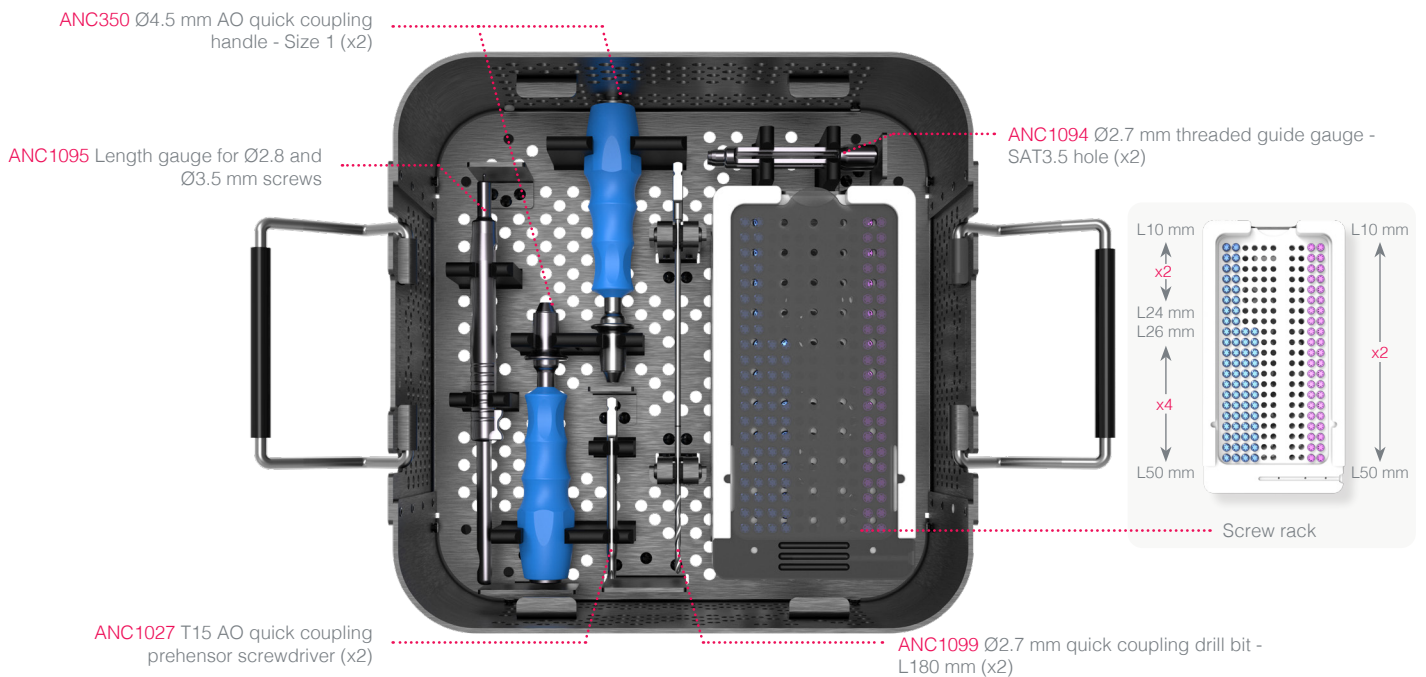
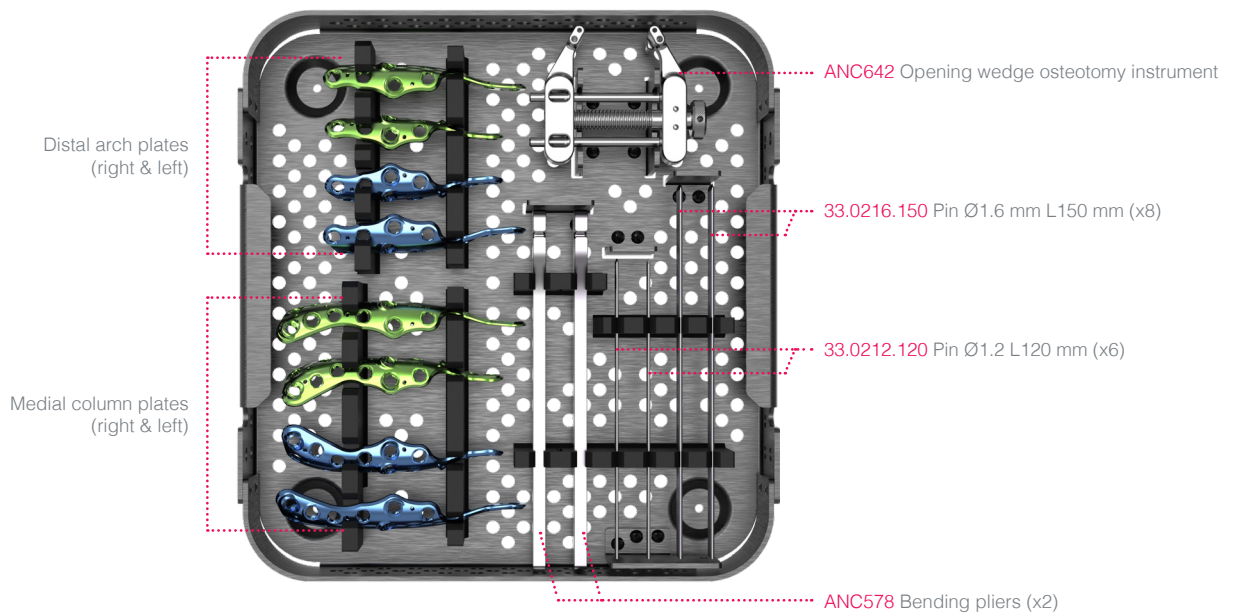
- ANC350: Ø4.5 mm AO quick coupling handle - Size 1
- ANC1027: T15 AO quick coupling prehensor screwdriver

### 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



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.

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