

# PRESERVATION.



MEDIAL COLUMN  
PLATING SYSTEM





# Preservation.

## MEDIAL COLUMN PLATING SYSTEM

### **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.

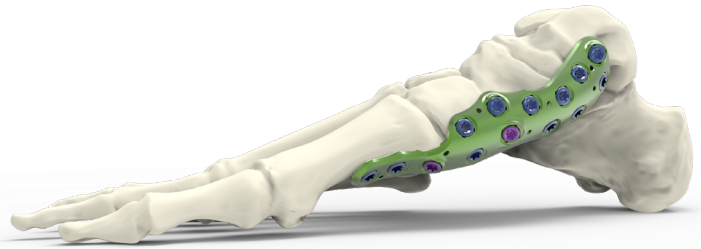
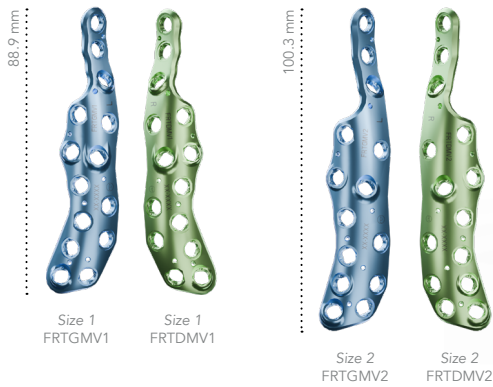
### **Contra-indications:**

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

# A comprehensive range of plate.

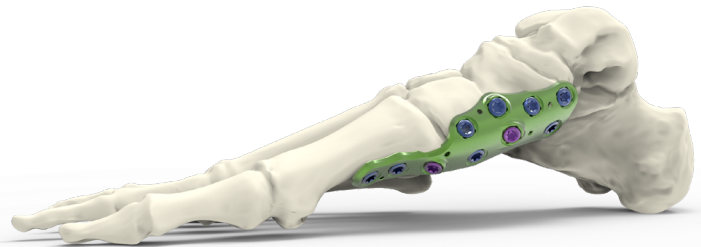
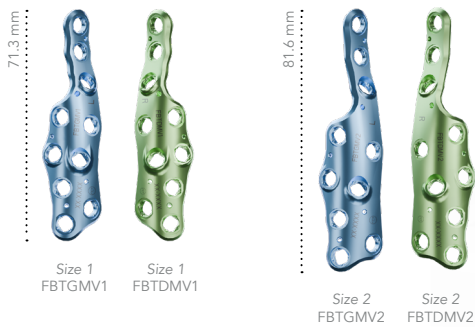
## MEDIAL COLUMN PLATES

- Two sizes available:



## DISTAL ARCH PLATES

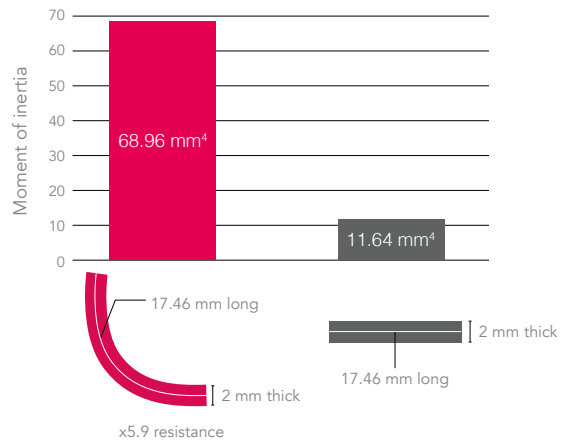
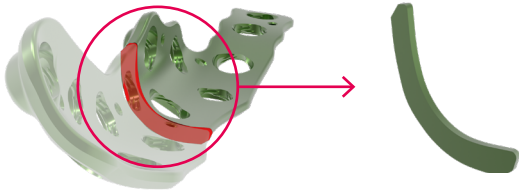
- Two sizes available:



# Technical features.

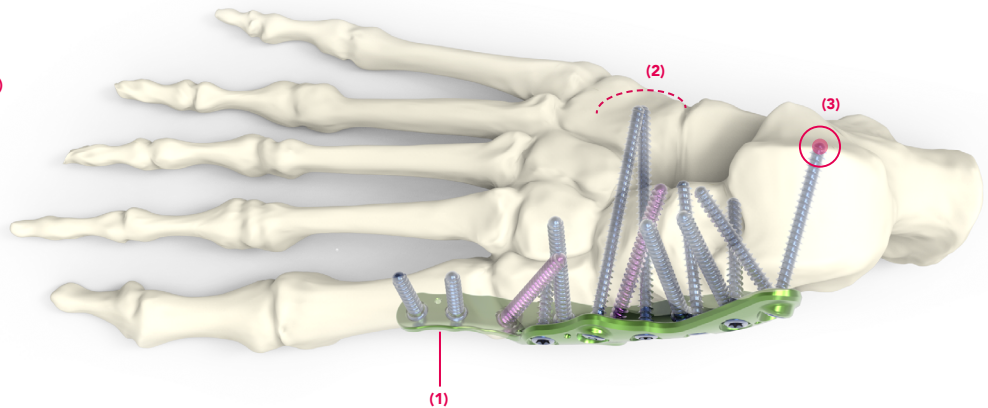
## PLATE FEATURES

### L-SHAPED FOR HIGH MECHANICAL PROPERTIES



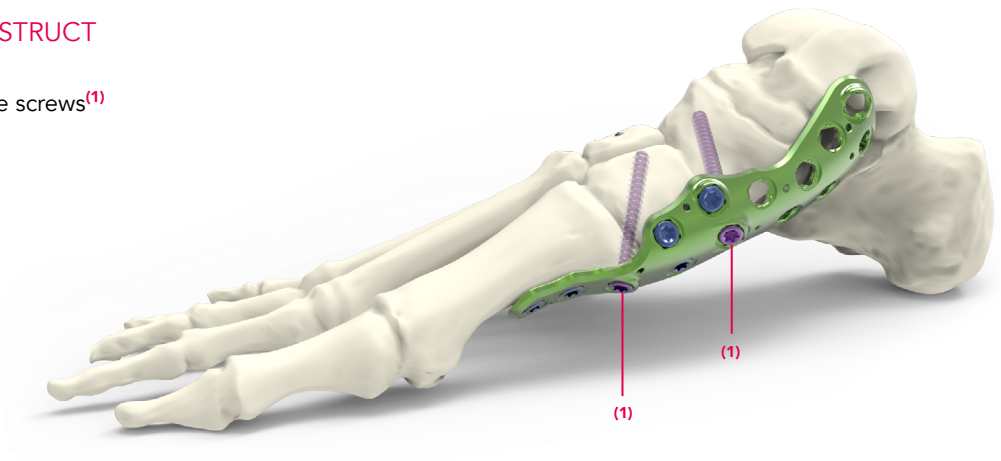
### MEDIAL COLUMN CONSTRUCT

- Medio plantar positioning<sup>(1)</sup>
- Lateral targeting<sup>(2)</sup>
- Proximal grab of the talus<sup>(3)</sup>



### MEDIAL COLUMN CONSTRUCT

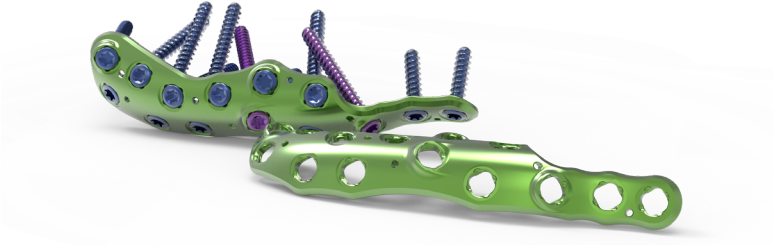
- Transarticular compressive screws<sup>(1)</sup>



## 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.



- **Precontoured implants**

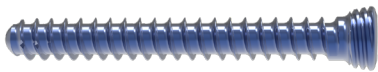
The design of these implants is the result of a proprietary state-of-the-art mapping technology to establish the maximum congruence between the plate and the bone.



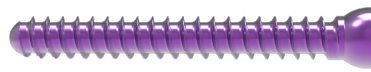
ANC578

## FIXATION AND SCREW FEATURES

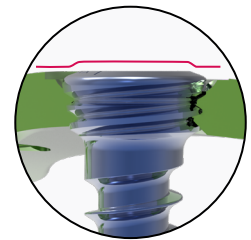
- **Ø3.5 mm locking and non locking** (compressive) screws, from 10 to 50 mm (2 mm incrementation).



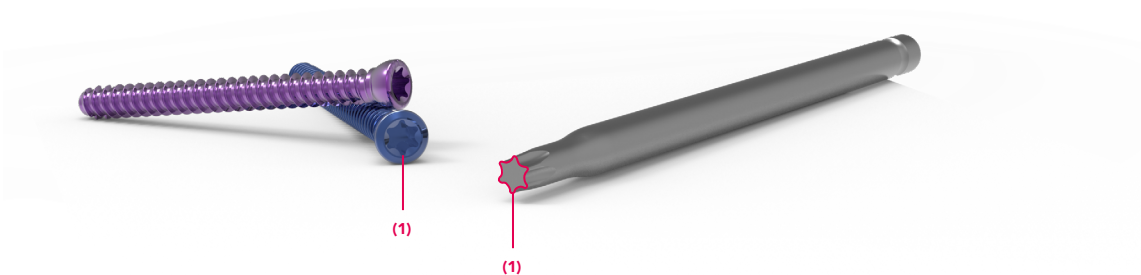
Locking screw (SAT3.5Lxx)



Non locking screw (CAT3.5LxxD)



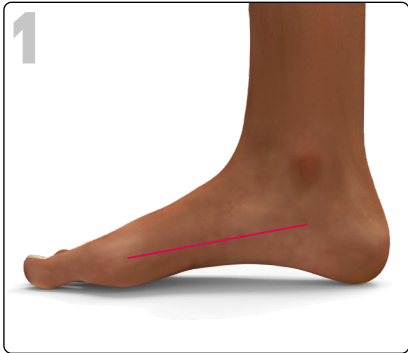
- **Hexalobe screw recess design (T15).**<sup>(1)</sup>



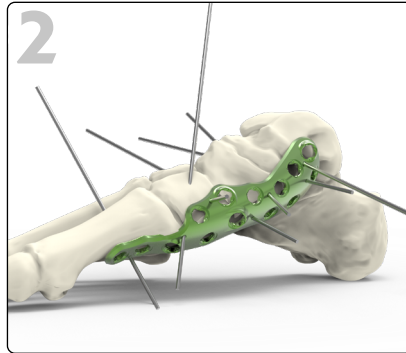
# Surgical technique.

## MEDIAL COLUMN APPROACH (PAGE 1/2)

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



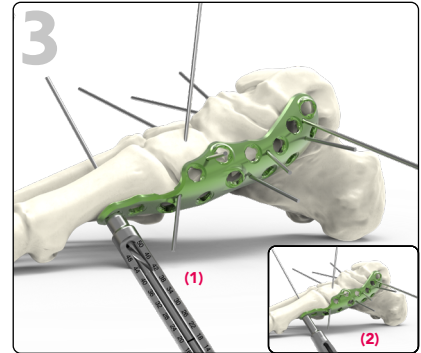
Perform a medial incision and prepare the joint surfaces using the surgeon's preferred technique.



Maintain the medial column in position by using a Ø1.6 mm pin (33.0216.150).

Select the most appropriate plate shape to fit the bone anatomy\*. Then, check the correct positioning by inserting Ø1.2 mm pins (33.0212.120).

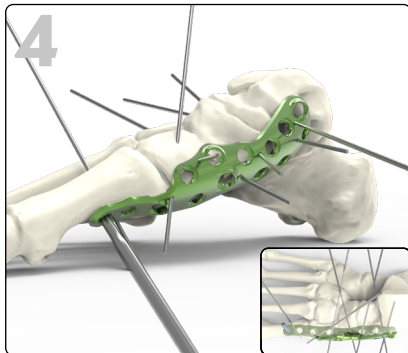
**\*If needed the plates can be bent with the appropriate bending irons (ANC578), once and in one direction only.**



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

Start by drilling the most distal hole, by using a Ø2.7 mm drill bit (ANC1099) through the Ø2.7 mm threaded guide gauge (ANC1094).

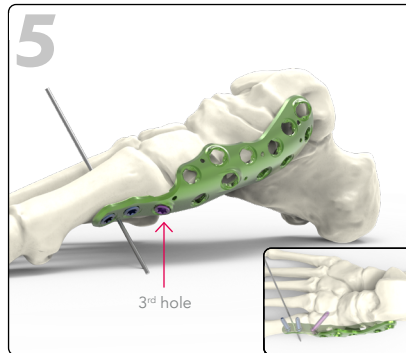
Read the drilling depth on the guide gauge (ANC1094) (1) or by using the length gauge (ANC1095) (2).



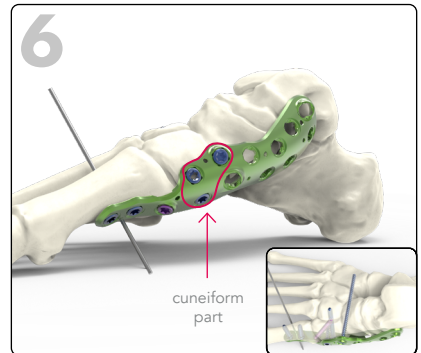
Insert a Ø3.5 mm locking screw (SAT3.5Lxx) using the T15 screwdriver (ANC1027).

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

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

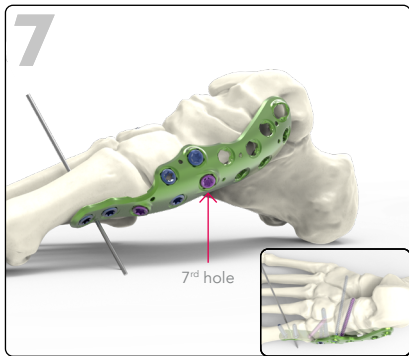


Insert a Ø3.5 mm non locking screw (CAT3.5LxxD) in the 3<sup>rd</sup> hole to compress the 1<sup>st</sup> metatarsal to the cuneiform.



Insert Ø3.5 mm locking screws (SAT3.5Lxx) in the cuneiform part. A lateral grab can be done to increase the rigidity of the construct.

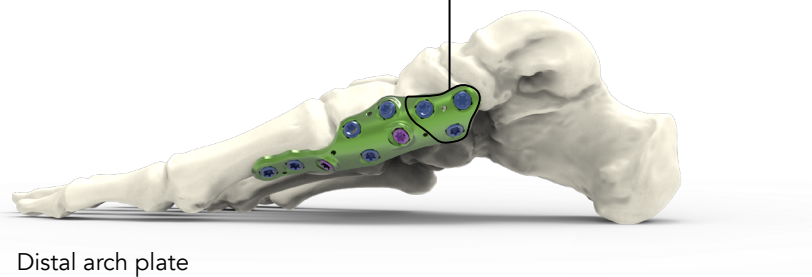
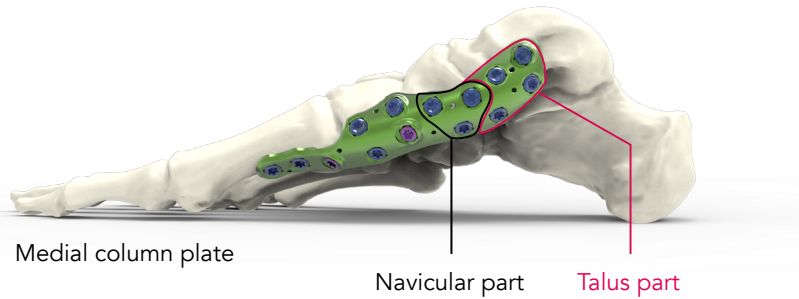
## MEDIAL COLUMN APPROACH (PAGE 2/2)



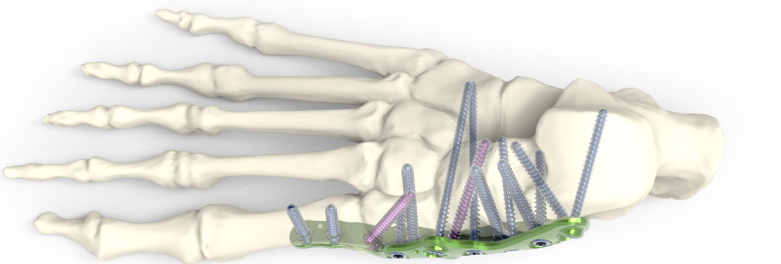
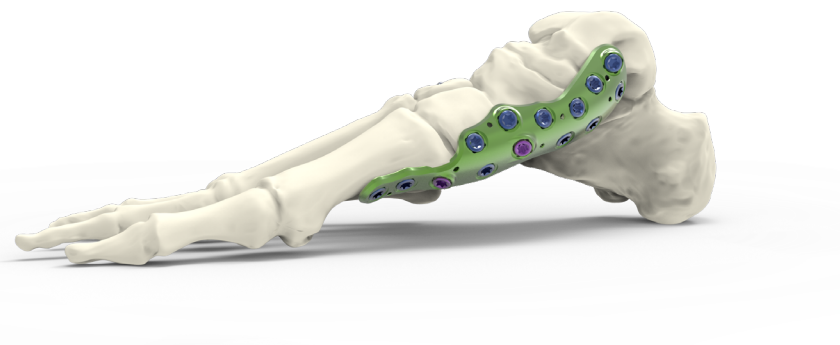
Insert a Ø3.5 mm non locking screw (CAT3.5LxxD) in the 7th hole to compress the forefoot part to the navicular.

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).



## FINAL RESULT.



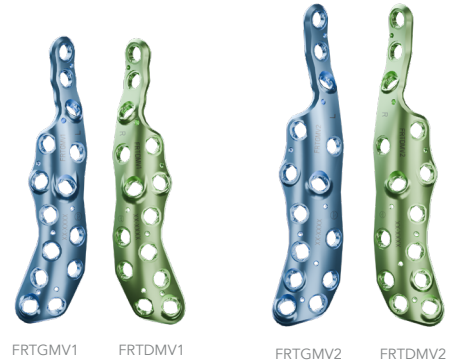
# Implant references.

**REMARK:** Please note that the “xx” in the references represent the length of the screw.  
 Ex: the reference for the locking screw Ø3.5 mm - L10 mm is “SAT3.5L10”

All the implants are also available in a sterile version. An «-ST» is added to the end of the reference.  
 Ex : «SAT3.5L10-ST»

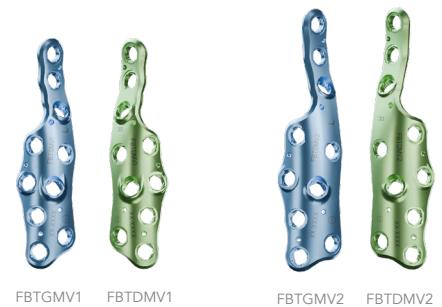
## Medial column plates

Ref.	Description	Length
FRTGMV1	Medial column arthrodesis plate - Left - Size 1	L88.9 mm
FRTDMV1	Medial column arthrodesis plate - Right - Size 1	L88.9 mm
FRTGMV2	Medial column arthrodesis plate - Left - Size 2	L100.3 mm
FRTDMV2	Medial column arthrodesis plate - Right - Size 2	L100.3 mm



## Distal arch plates

Ref.	Description	Length
FBTGMV1	Distal arch arthrodesis plate - Left - Size 1	L71.3 mm
FBTDMV1	Distal arch arthrodesis plate - Right - Size 1	L71.3 mm
FBTGMV2	Distal arch arthrodesis plate - Left - Size 2	L81.6 mm
FBTDMV2	Distal arch arthrodesis plate - Right - Size 2	L81.6 mm



## Ø3.5 mm locking screws\*

Ref.	Description
SAT3.5Lxx10 to SAT3.5Lxx50	Ø3.5 mm locking screw - L10 to 50 mm (2 mm incrementation)

\*Blue anodized



## Ø3.5 mm non-locking screws\*

Ref.	Description
CAT3.5L10D to CAT3.5L50D	Ø3.5 mm non-locking screw - L10 to 50 mm (2 mm incrementation)

\*Fuschia anodized

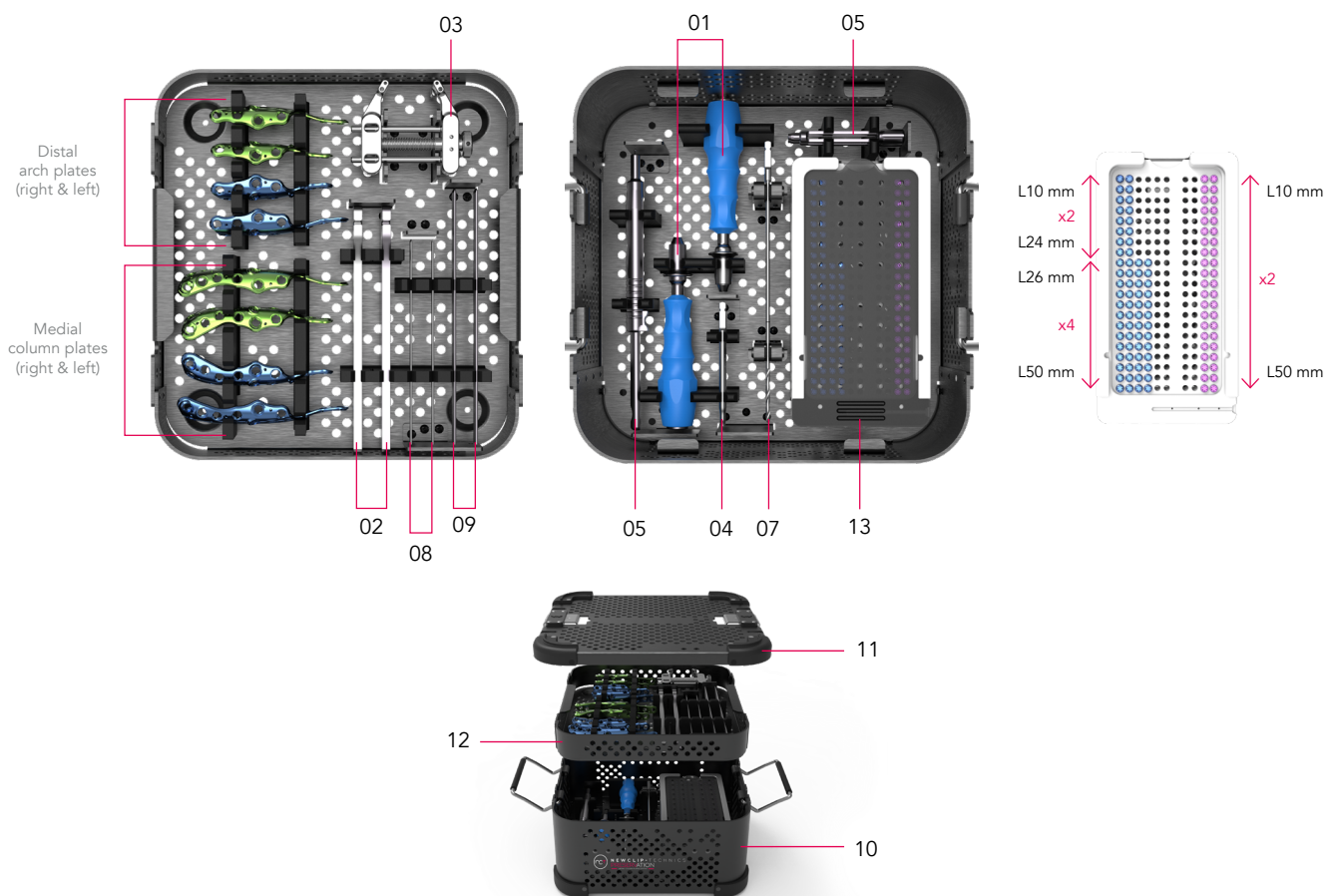


# Instrument references.

#	Ref.	Description	Qty
01	ANC350	Ø4.5 mm AO quick coupling handle - Size 1	2
02	ANC578	Bending pliers	2
03	ANC642	Opening wedge osteotomy instrument	1
04	ANC1027	T15 AO quick coupling prehensor screwdriver	2
05	ANC1094	Ø2.7 mm threaded guide gauge - SAT3.5 hole	2
06	ANC1095	Length gauge for Ø2.8 and Ø3.5 mm screws	1
07	ANC1099	Ø2.7 mm quick coupling drill bit - L180 mm	2
08	33.0212.120	Pin Ø1.2 - L120 mm	6
09	33.0216.150	Pin Ø1.6 - L150 mm	8

## Container references

#	Ref.	Description	Qty
10	ANC1234/B	Preservation set - Base	1
11	ANC1234/C	Preservation set - Lid	1
12	ANC1234/I	Preservation set - Insert	1
13	ANC1166/R3.5	CalcanHeal set - Ø3.5 mm Screw rack	1



## 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

To remove any of the Preservation plates, first loosen all the screws without completely removing them (this prevents rotation of the plate when removing the last screw). Finally, completely remove all screws and the plate.

An extraction set can also be ordered separately

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.

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