

FOOTMOTION PLATING SYSTEM

PLANTAR LAPIDUS NARROW PLATE



► **Indication** : The Footmotion Plating System is intended for arthrodeses, fractures and osteotomies fixation and revision surgeries of the foot in adults. **NEWCLIP-TECHNICS**

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.



TECHNICAL FEATURES

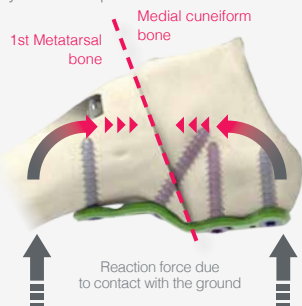
> PLATE FOR PLANTAR LAPIDUS ARTHRODESIS

Exemple of application: osteoarthritis, functional deformities.

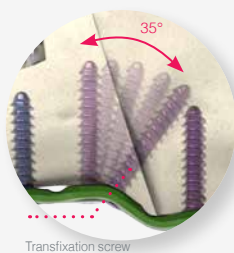
Plantar positioning of the plate

- Minimizes conflicts with the extensor hallucis longus and tibialis anterior tendon,
- Offers stable assembly and generate dynamic compression (see diagram below), the transfixation screw is inserted through the joint providing stability to the assembly,

► Dynamic compression



► Screw angulation until 35°



Anatomical implant

- The design of this implant is the result of a proprietary state-of-the-art mapping technology to establish the maximum congruence between the plate and the bone,
- The plate is made of Grade 2 Titanium for an easier adaptation to first tarsometatarsal (TMT1) joint anatomies when using bending pliers.

Fixation

Ø3.5 mm single diameter

- 2 oblong holes: Ø3.5 mm non locking screw
- Distal oblong hole: screw angulation up to 35°,
- Oblong holes positioning allows to avoid conflicts between screws,
- 2 holes: Ø3.5 mm locking screw.

Hexalobular socket screw drive.

REFERENCES

PLATES		Ø3.5 MM SCREWS		OPTIONAL IMPLANTS	
Ref.	Description	Ref.	Description	Ref.	Description
FLTGV1	Plantar Lapidus Arthrodesis plate - Left - Narrow - Size 1	SLT3.5Lxx	Locking screw - Ø3.5 mm - Lxx mm - L10 mm to L40 mm (2 mm incrementation)	H1.4QT4.0Lxx-ST	Self-drilling compressive screw - Ø4.0 mm - cannulated Ø1.4 mm - short thread - STERILE L26 mm to L48 mm (2 mm incrementation)
FLTDV1	Plantar Lapidus Arthrodesis plate - Right - Narrow - Size 1	RLT3.5Lxx	Non locking screw - Ø3.5 mm - Lxx mm - L10 mm to L40 mm (2 mm incrementation)	H1.4IFT4.0Lxx-ST	Self-drilling self-compressive screw - Ø4.0 mm - cannulated Ø1.4 mm - L 30 mm - STERILE L26 mm to L48 mm (2 mm incrementation)
				WASH-T4	Washer

INSTRUMENTS FOR PLANTAR LAPIDUS ARTHRODESIS PLATE

Ref.	Description	Qty
ANC350	Ø4.5 mm AO quick coupling handle – size 1	2
ANC575	T8 quick coupling screwdriver	2
ANC577	Ø2.7 mm threaded guide gauge for Ø3.5 mm	2
ANC578	Bending plier	2
ANC589	Length gauge for Ø2.8 mm and Ø3.5 mm screws	1
ANC591	Ø2.7 mm quick coupling drill bit – L125 mm	2
ANC611	Ø3.0 mm quick coupling drill bit – L125 mm	1
ANC841	Ø2.7 mm non threaded bent guide gauge for Ø3.5 mm screws	1
33.0212.070	Pin – Ø1.2 L70 mm	5
33.0216.100	Pin – Ø1.6 L100 mm	5
33.0216.150	Pin – Ø1.6 L150 mm	5

OPTIONAL: INSTRUMENTS FOR SELF-DRILLING COMPRESSIVE SCREW

Ref.	Description	Qty
ANC167L	Pins support for Ø1.0 mm pin - Long	2
ANC388	2.5 mm quick coupling hexagonal non prehensor screwdriver - cannula Ø1.4 mm	1
ANC414M	Ø2.9 mm drill bit - cannula 1.4 mm - L 125 mm - AO Ø4.5 mm quick coupling	1
ANC427	Length gauge for pin Ø1.3 mm - L 120 mm	1
ANC664	Ø2.9 mm countersink - cannula Ø1.4 mm - AO quick coupling	1
ANC665	Ø1.4 mm pin guide	1
ANC845	Ø6.0 mm countersink - cannula Ø1.4 mm - AO quick coupling	1
A10407M	12 cm pin for washers	1
33.0213.120	Pin - Ø1.3 L120 mm	6



SURGICAL TECHNIQUE

Example: Hallux valgus, ligament hyperlaxity

OPTIONAL STEPS

Ø4.0 mm compressive cannulated screw insertion before plate positioning allowing the compression of the joint.



1. Resect the joint following the usual technique.



2. Insert the guiding pin (33.0213.120) transversally from the 1st metatarsal to the cuneiform. Then, introduce the Ø2.9 mm cannulated drill bit (ANC414M) onto the guiding pin and drill.



3. Insert the Ø4.0 mm compressive cannulated screw (H1.4QT4.0Lxx) using the cannulated screwdriver (ANC388) then remove the pin.

H1.4QT4.0Lxx



1. Position plantarly the plate on the TMT1 joint with Ø1.2 mm pins. The middle of the plate has to be placed over the TMT joint.



2. In the distal oblong hole, perform the drilling (ANC591) using the non threaded bent guide gauge (ANC841) or the threaded guide gauge (ANC577). Read the drilling depth on the guide gauge.

It is possible to check the depth with the length gauge (ANC589).



3. Insert a Ø3.5 mm non locking screw (RLT3.5Lxx) using the T8 quick coupling screwdriver (ANC575).



4. In the proximal oblong hole, repeat the steps 2 and 3 for the Ø3.5 mm non locking screw (RLT3.5Lxx) insertion.



5. In the most distal hole, perform the drilling (ANC591) using the Ø2.7 mm threaded guide gauge (ANC577). Read the drilling depth on the threaded guide gauge.

It is possible to check the depth with the length gauge (ANC589).



6. Insert a Ø3.5 mm locking screw (SLT3.5Lxx) using the T8 quick coupling screwdriver (ANC575).



7. In the most proximal hole, repeat the steps 5 and 6 for the Ø3.5 mm locking screw (SLT3.5Lxx) insertion.



FINAL RESULT

PLATE BENDING

The plates of the Footmotion Plating System can be bent using the appropriate bending pliers (ANC578) with the following instructions:

- Bending is only possible in the areas intended for this purpose,
- A bendable area must be bent only once and in one direction,
- Bending must not be performed excessively,
- The holes must be protected so as to avoid damaging the fixation.



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