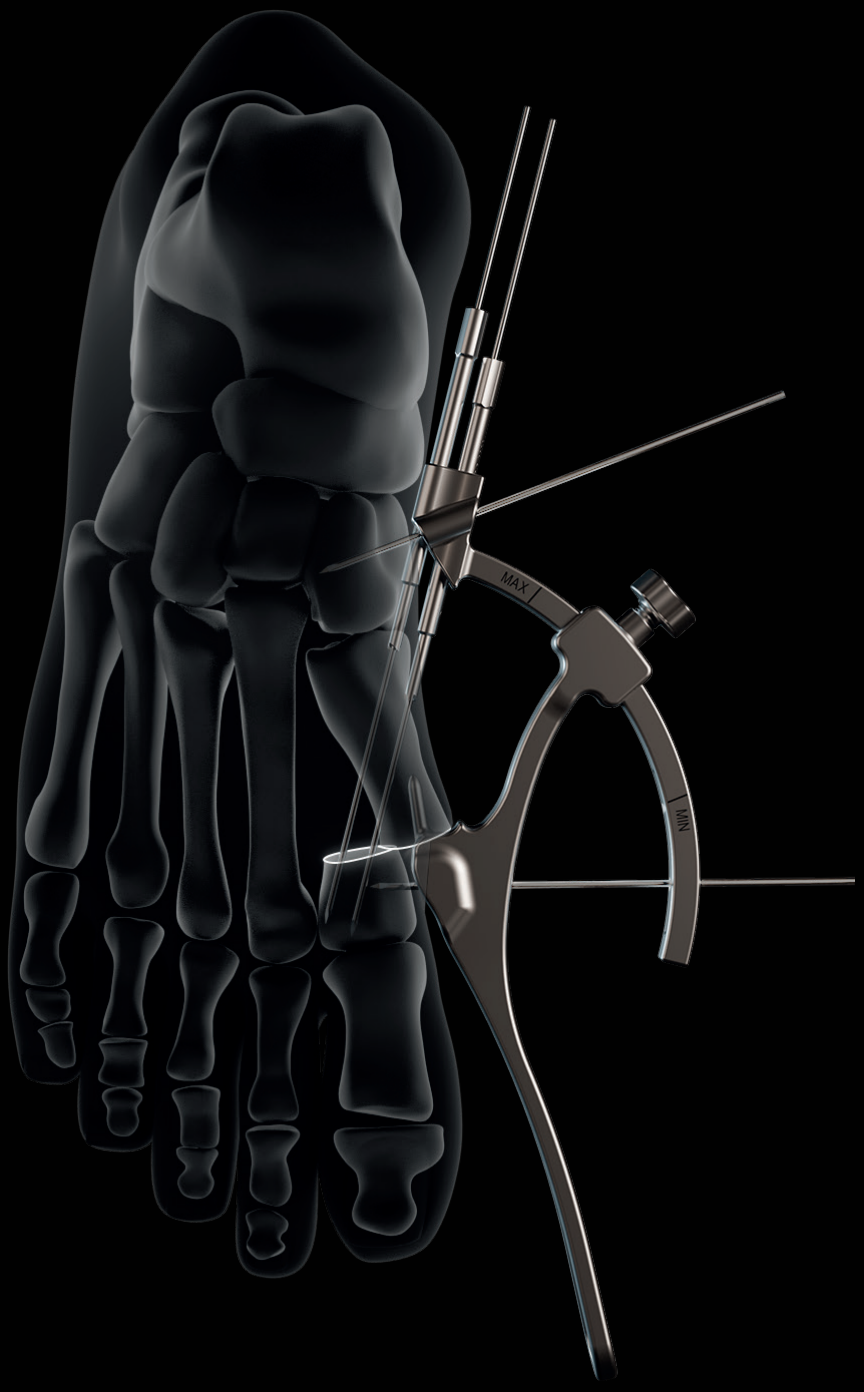
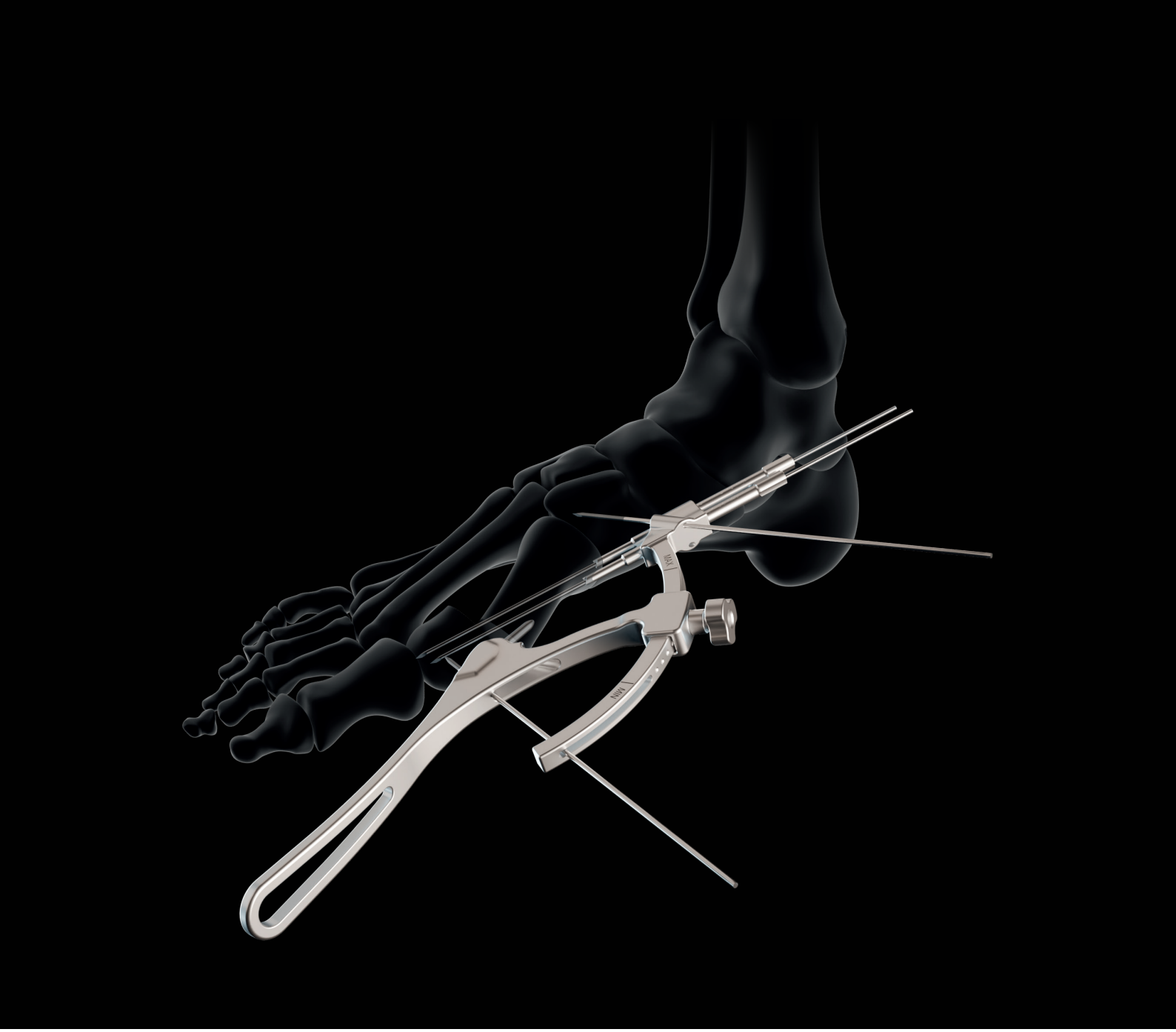
G·HALVA



HALLUX VALGUS TARGETING GUIDE



G·HALVA

HALLUX VALGUS TARGETING GUIDE

Intended purpose:
The Newclip Technics instruments are intended for trauma and orthopaedic surgery.Targeting arms are intended for targeting anatomical landmarks.
Implants of the Stand-Alone Screws range are intended for fractures fixation, osteotomies and arthrodeses of bones in adults, appropriate for the size of the device.

Contraindications:

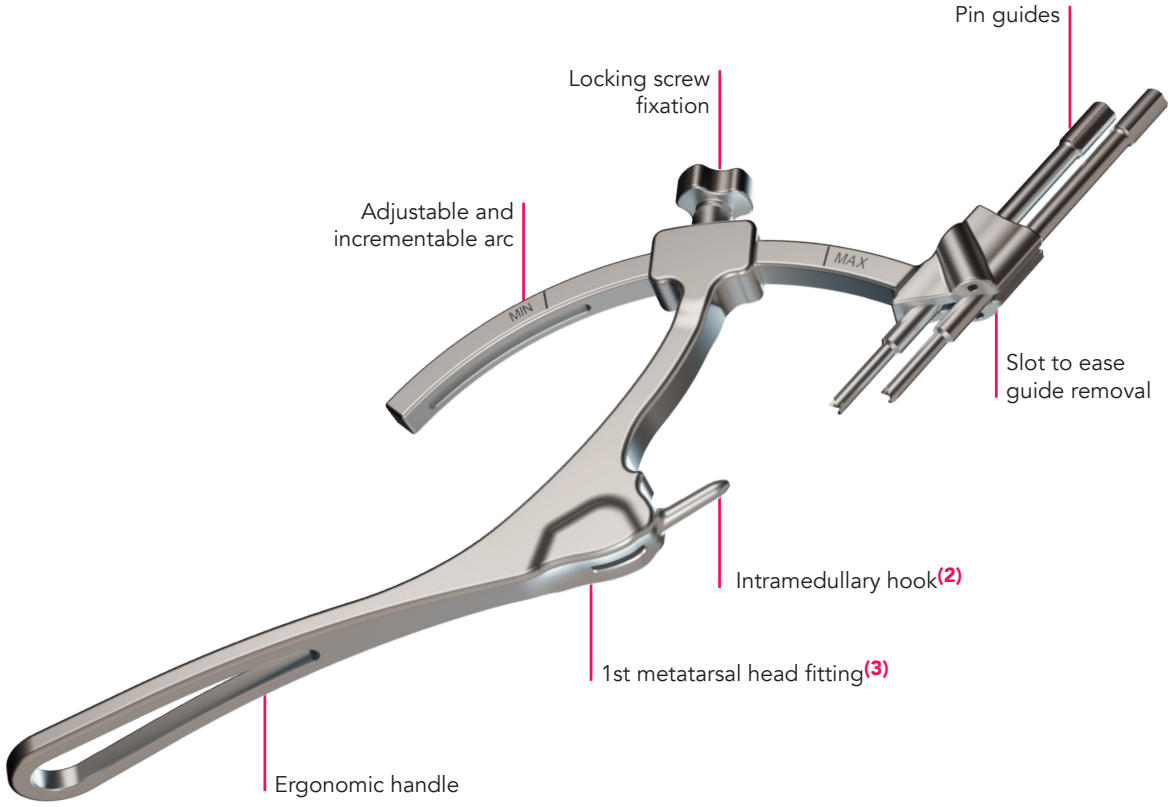
- Pregnancy.
- Acute or chronic local or systemic infections.
- Allergy to one of the materials used or sensitivity to foreign bodies.

Technical features.

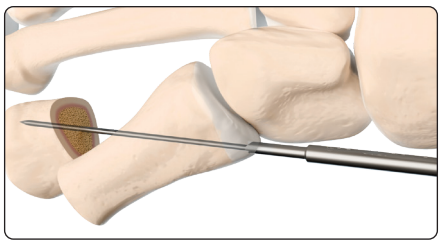
SYSTEM FEATURES

TARGETING GUIDE DEDICATED TO THE PERCUTANEOUS TREATMENT OF HALLUX VALGUS

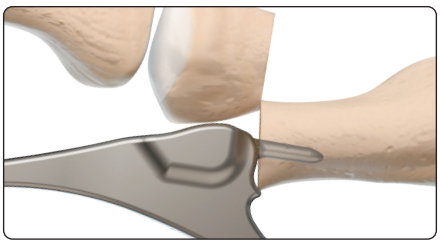
- **Unique symmetric design** compatible with left/right foot and intended for **one-handed use**.
- M1 head translation combined with M1 shaft translation to lock the TMT1 joint.
- **Adjustable and incrementable arc** for a systematic 1st metatarsal head targeting.
  Black marking on the arc indicates "MIN" and "MAX" authorized positionning to avoid any conflict with the intramedullary hook.
- **Pins guided trajectory** through parallel pin guides anchored into proximal 1st metatarsal [(1)].



(1)

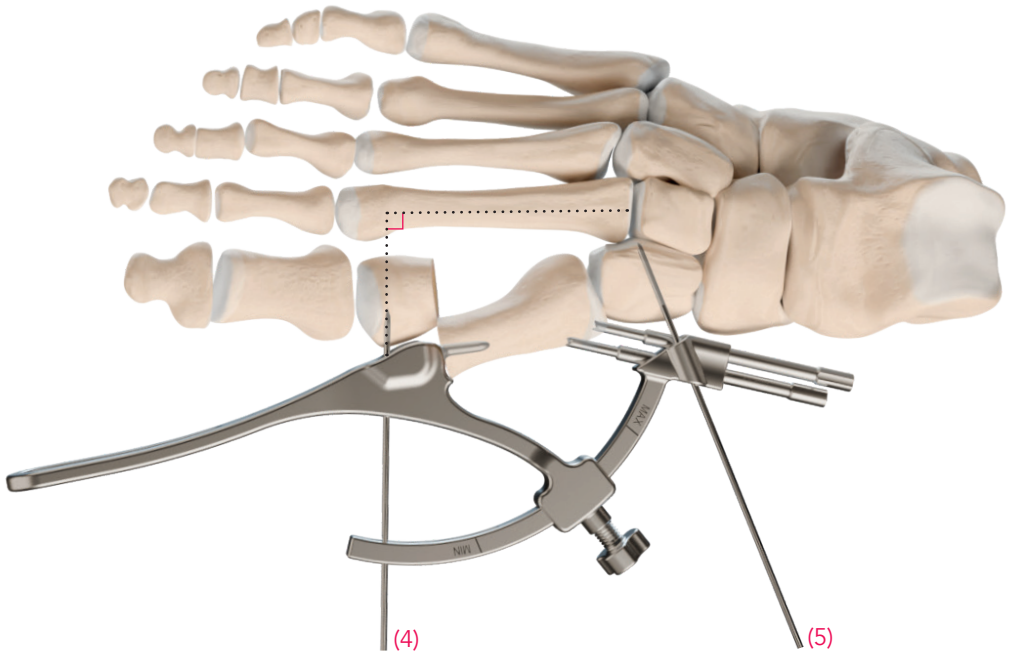


(2) (3)

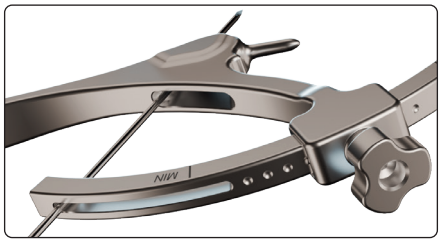


POSITIONING AND FIXATION

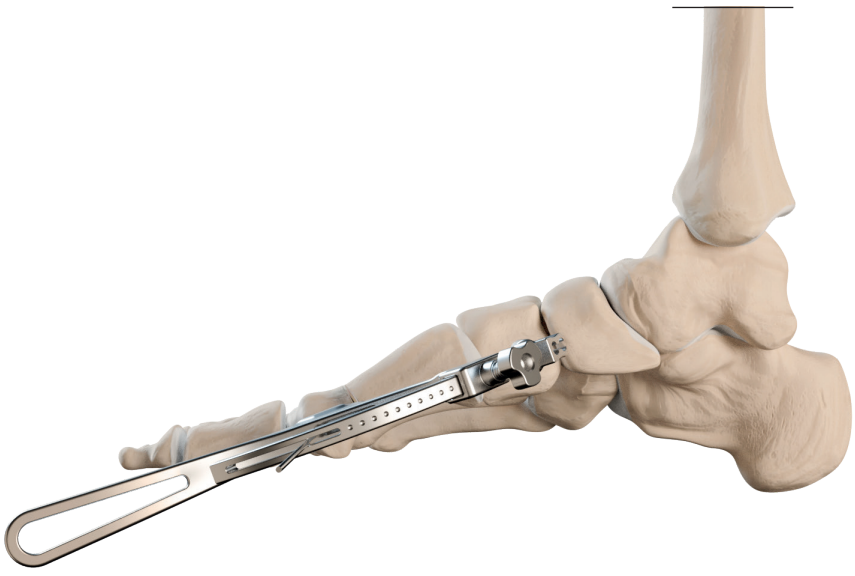
- Pin for 1st metatarsal head stabilization, perpendicular to M2 axis **(4)**.
- Pin for securing the targeting guide in position **(5)**.



(4)



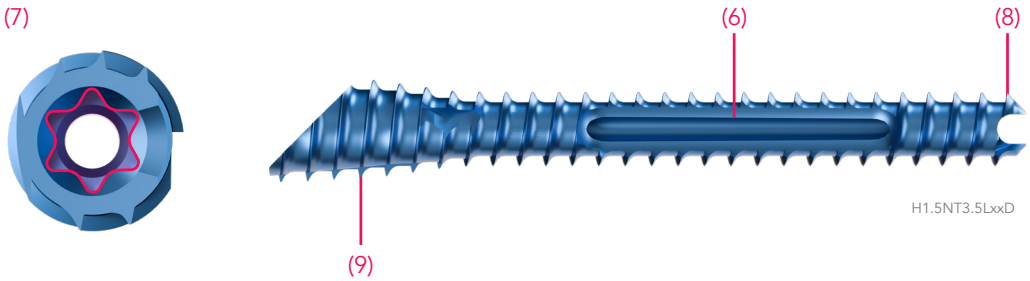
(5)



Chamfered head screw.

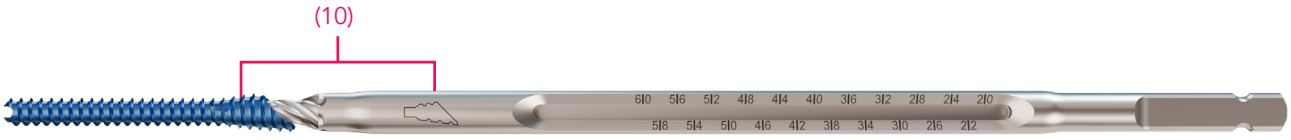
SCREW FEATURES

- Ø3.5 mm screw.
- Ø1.5 mm cannula for Ø1.4 mm K-wire(6).
- Hexalobular screw recess design (T10)(7).
- Self-drilling(8) and self-tapping(9) screw.
- Positioning screw with full thread.
- 45° chamfered head.
- Material: Titanium Alloy.



INSTRUMENTATION FEATURES

- Patented 3 in 1 instrument for a simple use: differential gauge for pin, countersink and screwdriver.
- Compatible with a standard quick coupling system.
- Head profile marking on the patented 3 in 1 instrument to help visualize screw head orientation(10).



Percutaneous reamers.

Percutaneous reamers are designed for minimally invasive surgery of the forefoot.

- Cylindrical reamers:
  - Ø2.0 mm/Ø2.2 mm short and long Shannon reamers: lateral rays osteotomy, distal or proximal osteotomy of the first ray and osteotomy of the first phalanx.
  - Ø3.0 mm long and Ø4.0 mm large Shannon reamers: exostosectomy, arthrodesis and shortening osteotomy.

- Conical reamers:
  - Wedge: distal monocortical osteotomy of the first ray and osteotomy of the first phalanx.

Ø2.0 MM/Ø2.2 MM SHANNON REAMERS (STRAIGHT OR HELICAL FLUTE)


ANC599 (Ø2 mm - L8 mm)


ANC537 (Ø2 mm - L12 mm)


ANC198 (Ø2.2 mm - L12 mm)


ANC476 (Ø2 mm - L20 mm)


ANC538 (Ø2.2 mm - L20 mm)

Ø3.0 MM SHANNON REAMERS (STRAIGHT OR HELICAL FLUTE)


ANC203 (Ø3 mm - L13 mm)


ANC661 (Ø3 mm - L21 mm)


ANC842 (Ø3 mm - L30 mm)


ANC843 (Ø3 mm - L30 mm)

Ø4.0 MM SHANNON REAMER (HELICAL FLUTE)

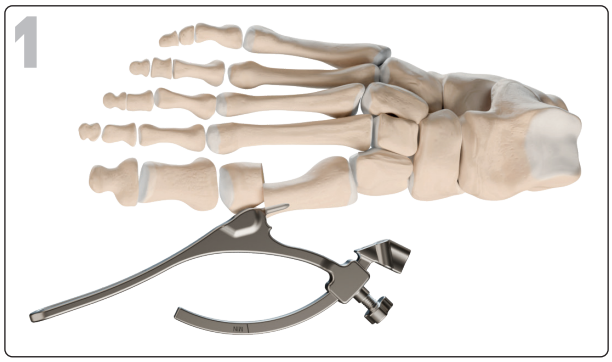

ANC197 (Ø4 mm - L16 mm)

WEDGE CONICAL REAMER

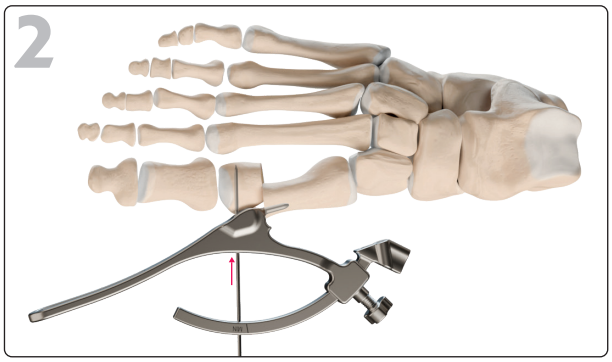

ANC199 (Ø4 mm - L12 mm)

Surgical technique.

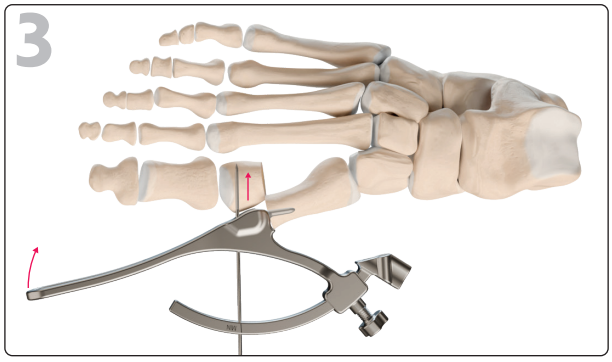
MINIMALLY INVASIVE OSTEOTOMY (PAGE 1/2)



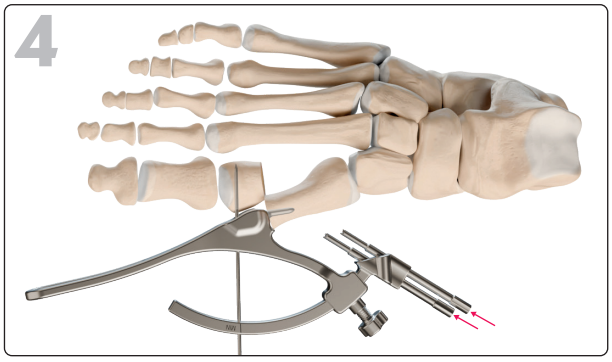
Perform a percutaneous distal M1 cut with a dedicated burr. Then, position the targeting arm (ANC1713) by inserting the hook in M1 medullary canal.



Insert the Ø1.6 mm pin (33.0216.150) in M1 head through the proximal part of the targeting arm slot. The pin must be perpendicular to M2 axis.

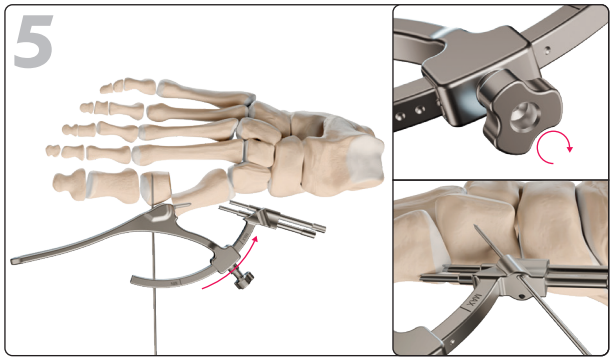


Perform M1 head translation by using the handle of the targeting arm.



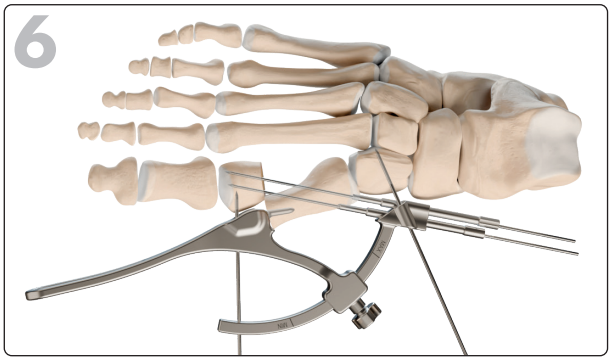
Insert the pin guides (ANC1714) in the dedicated holes of the targeting arm.

MINIMALLY INVASIVE OSTEOTOMY (PAGE 2/2)



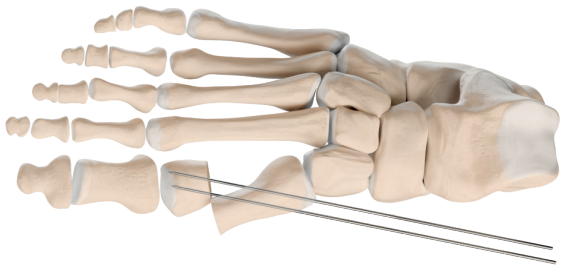
Slide the arc of the targeting arm to have the entry point of the proximal pin guide as proximal as possible in M1 shaft, making sure to be between MIN and MAX markings. Then, lock the screw.

N.B: The targeting arm can be fixed in position with the Ø1.6 mm pin (33.0216.150).

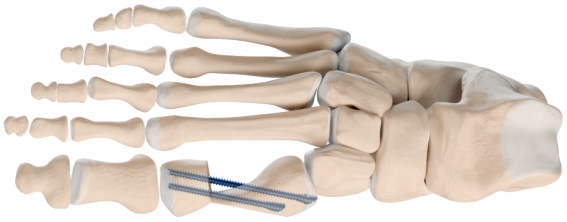


Anchor the pin guides into the bone cortex and insert the Ø1.4 mm pins (ANC1658) through the pin guides.

FINAL RESULT.



Check pins positioning with fluoroscopy. Then, remove the pin guides, the Ø1.6 mm pins and the targeting arm.



N.B: This surgical technique is associated with the use of Ø3.5 mm chamfered head screws. Please refer to the Footmotion S brochure (for reusable set) or Initial S™ EVO brochure (for disposable set) for more information.

References.

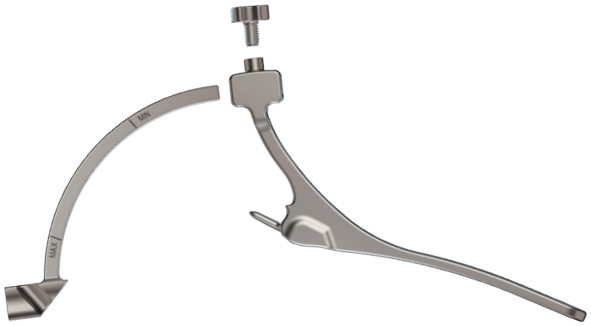
G·HALVA kit

#	Ref.	Description
A	ANC1434/B4	Set - 1 level - Size 1/2 - Base
B	ANC1755/C	G·HALVA set - Lid
C		G·HALVA instrumentation set
D		Ø3.5 mm chamfered screws instrumentation set

(C) G·HALVA instrumentation set

#	Ref.	Description	Qty
01	ANC1658	Pin Ø1.4 - L180 mm	6
02	ANC1713	Targeting arm for MIS bunion*	1
03	ANC1714	Ø1.4 mm pin guide	2
04	33.0216.150	Pin Ø1.6 - L150 mm	4
05	ANC1680/B	G·HALVA instrumentation set - Base	

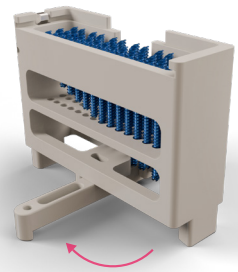
* It is recommended to disassemble the three parts of the targeting arm for cleaning:

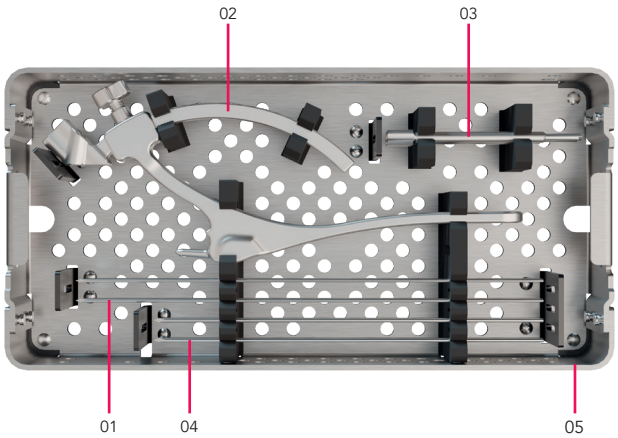


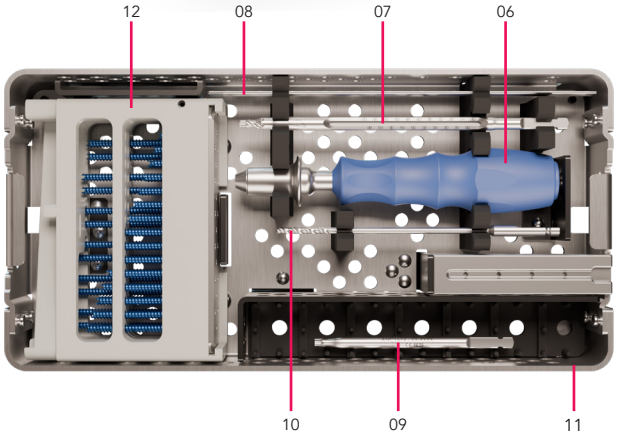
(D) Ø3.5 mm chamfered screws instrumentation set

#	Ref.	Description	Qty
06	ANC350	Ø4.5 mm AO quick coupling handle - Size 1	1
07	ANC1286	3 in 1 instrument for Ø3.5 mm screws	1
08	ANC1657	Pin Ø1.4 L150 mm	6
09	ANC1674	T10 prehensor screwdriver with AO quick coupling system - cannula Ø1.5 mm	1
10	ANC1718	Ø2.5 mm quick coupling drill bit - cannula Ø1.5 mm - L 110 mm	1
11	ANC1345/B	Foot&HandMotion S set - Ø3.5 mm Chamfered Screws - Base	
12	ANC1345/R	Foot&HandMotion S set - Ø3.5 mm Chamfered Screws - Screw rack - H1.5NT3.5LxxD**	
H1.5NT3.5L20D to H1.5NT3.5L60D		Ø3.5 mm chamfered head screw - cannula Ø1.5 – L20 mm to 60 mm (2 mm increments)***	

** For screw rack stabilization, it is recommended to unfold the lower arm once out of the kit.
***Dark blue anodized.





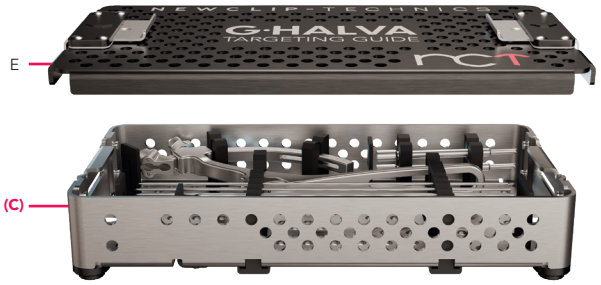


Optional kit set-up.

It is possible to order the G·HALVA instrumentation set alone with the disposable Initial S™ EVO set (KIT-SCND3.5). Please refer to the page 09 for the detailed G·HALVA instrumentation set description.

G·HALVA instrumentation set

#	Ref.	Description
C		G·HALVA instrumentation set
E	ANC1680/C	G·HALVA instrumentation set - Lid



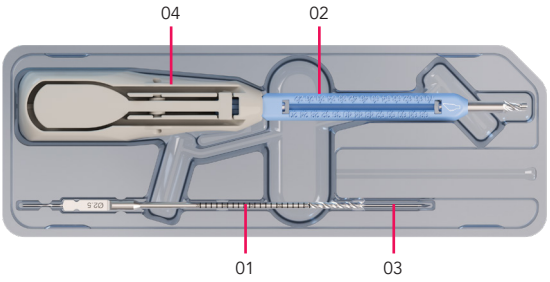
Sterile instrumentation for Ø3.5 mm chamfered head screws*

Ref.	Description
KIT-SCND3.5	Instrumentation kit for Ø3.5 mm chamfered cannulated screws

Instrumentation content

#	Description	Qty
1	Ø2.5 mm quick coupling drill bit – cannula Ø1.5 mm – L110 mm	1
2	3 in 1 instrument for Ø3.5 mm screws	1
3	Pin Ø1.4 mm L150 mm	3
4	5.8 mm single use handle	1

*For removal of the Ø3.5 mm screws, please use the T10 screwdriver (ANC1674).



Ø3.5 mm chamfered head screws**

Ref.	Description
H1.5NT3.5L20D-ST to H1.5NT3.5L60D-ST	Ø3.5 mm chamfered head screw - cannula Ø1.5 - STERILE - L20 mm to 60 mm (2 mm increments)

**Dark blue anodized.

Percutaneous reamers references.

The percutaneous reamers are only available on demand. They are supplied in a sterile single use package.

Percutaneous reamers

#	Ref.	Description
01	ANC197	Ø4 mm large Shannon reamer - Helical flute L 16 mm
02	ANC198	Ø2.2 mm short Shannon reamer - Helical flute L 12 mm
03	ANC199	Ø4 mm wedge reamer - Flute L 12 mm
04	ANC203	Ø3 mm wedge reamer - Flute L 13 mm
05	ANC476	Ø2.0 mm long Shannon reamer - Helical flute L 20 mm
06	ANC537	Ø2.0 mm short Shannon Isham reamer - Straight flute L 12 mm
07	ANC538	Ø2.2 mm long Shannon Isham reamer - Straight flute L20 mm
08	ANC599	Ø2.0 mm ultra short Shannon reamer - Helical flute L8 mm
09	ANC661	Ø3.0 mm long Shannon reamer - Helical flute L21 mm
10	ANC842	Ø3.0 mm long Shannon reamer - Helical flute L30 mm
11	ANC843	Ø3.0 mm long Shannon Isham reamer - Straight flute L30 mm

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