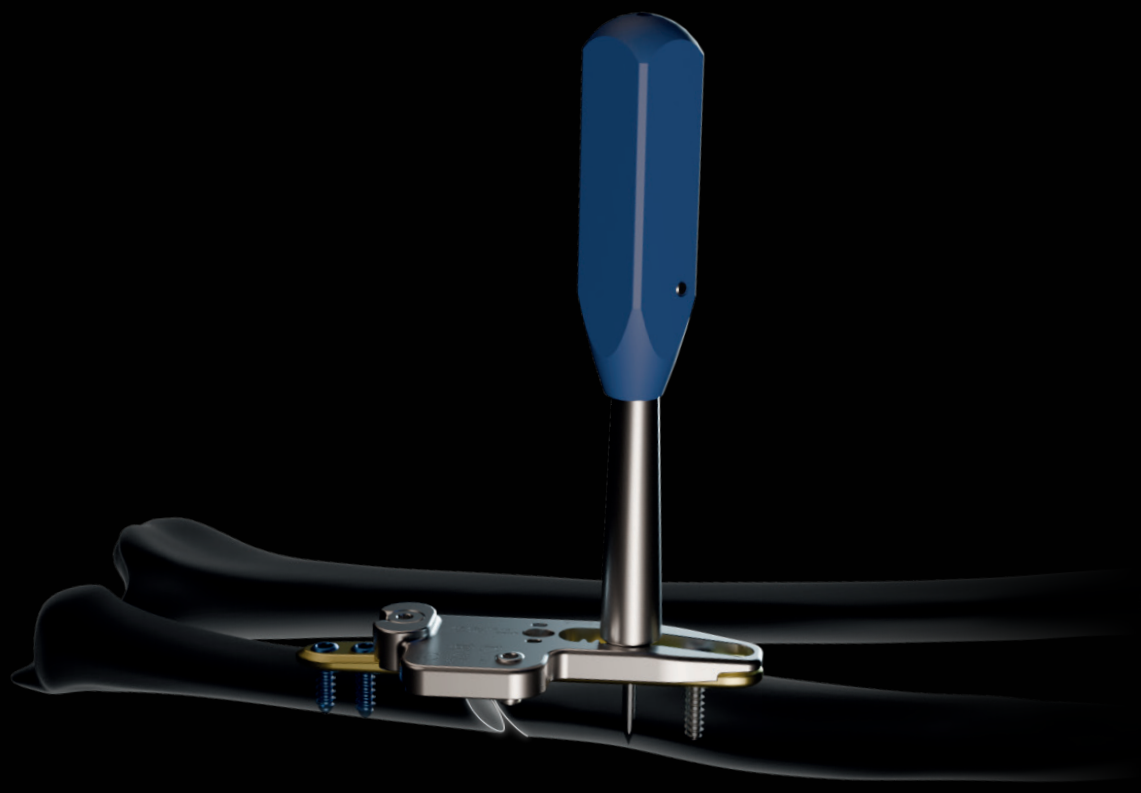
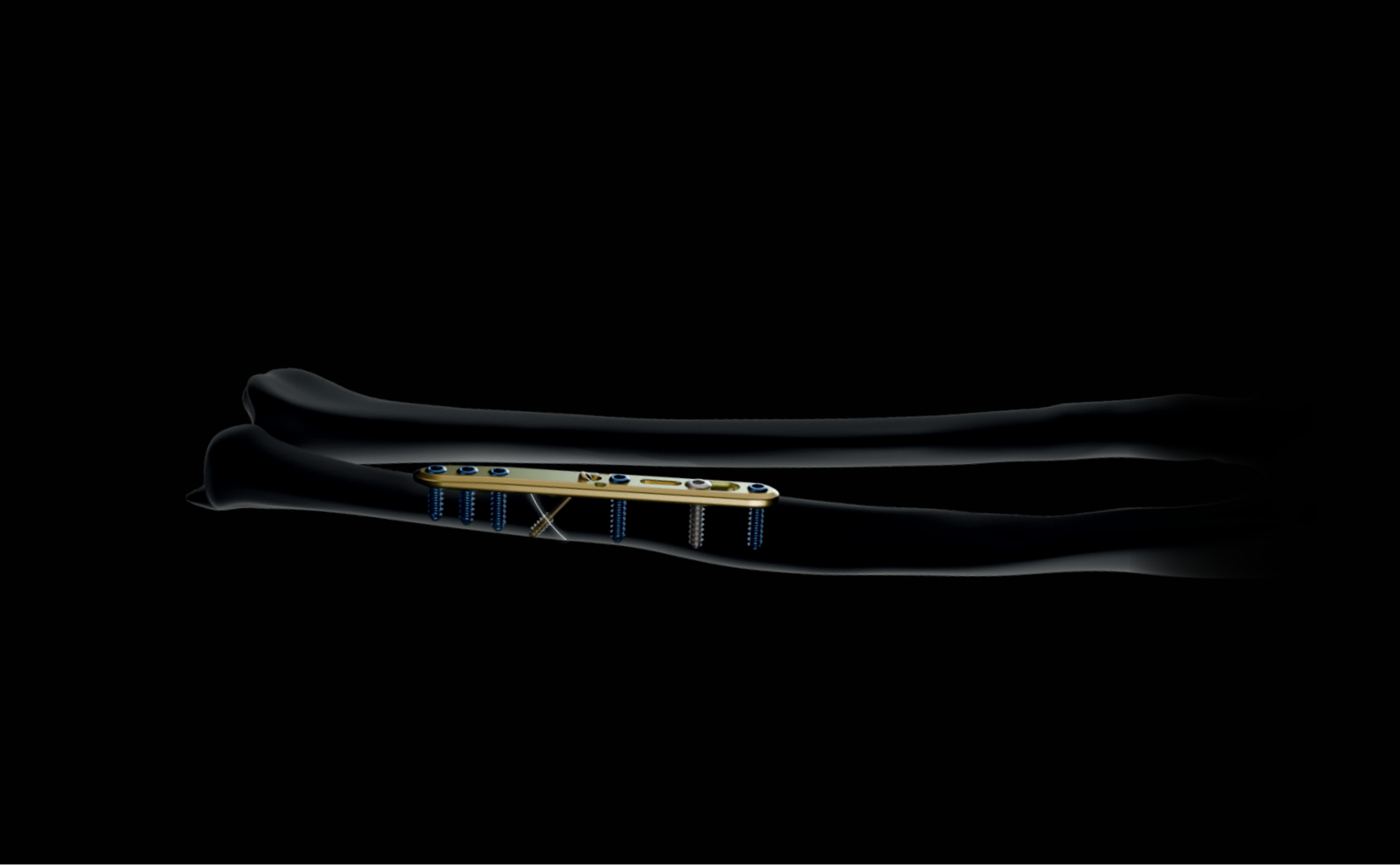
ALIANS ULNA 3.3



ULNAR SHORTENING
OSTEOTOMY PLATE



Alians Ulna 3/3.

ULNAR SHORTENING OSTEOTOMY PLATE

Intended purpose:

The implants of the Alians Forearm range are intended for the fixation of fractures and osteotomies of the radius and the ulna in adults.

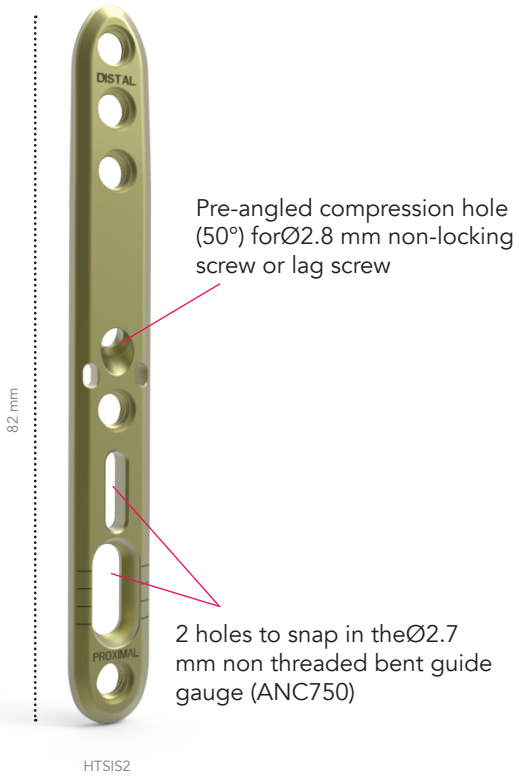
Contraindications:

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

Implant technical features.

• **Anatomically contoured implant**: the edges and tips of the implant are rounded.

• **Marks** appearing on the implant :
- **Proximal and distal** ends
- **Graduations for checking** compression level



MONOAXIAL FIXATION

•Ø3.5 mm non-locking screw for proximal oblong hole (CT3.5Lxx)

•Ø3.5 mm locking screw (SOT3.5Lxx)

•Ø2.8 mm non-locking screw for pre-angled central hole (CT2.8Lxx): stabilization screw

•Ø2.8 mm lag screw for pre-angled central hole (QBT2.8Lxx) : compression screw

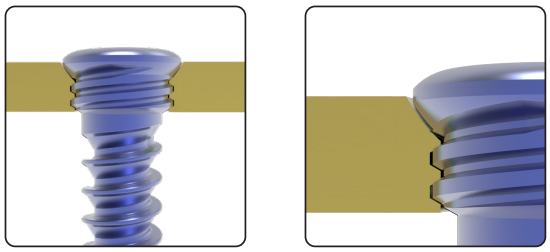
MONOAXIAL LOCKING SYSTEM

• The screw head is stopped in the hole, ensuring its locking.

• The screw head is buried in the plate.

• Plate and screw made from the same material: titanium alloy.

• Non locking screws (CT3.5Lxx) can be used in the locking holes at the surgeon's discretion.

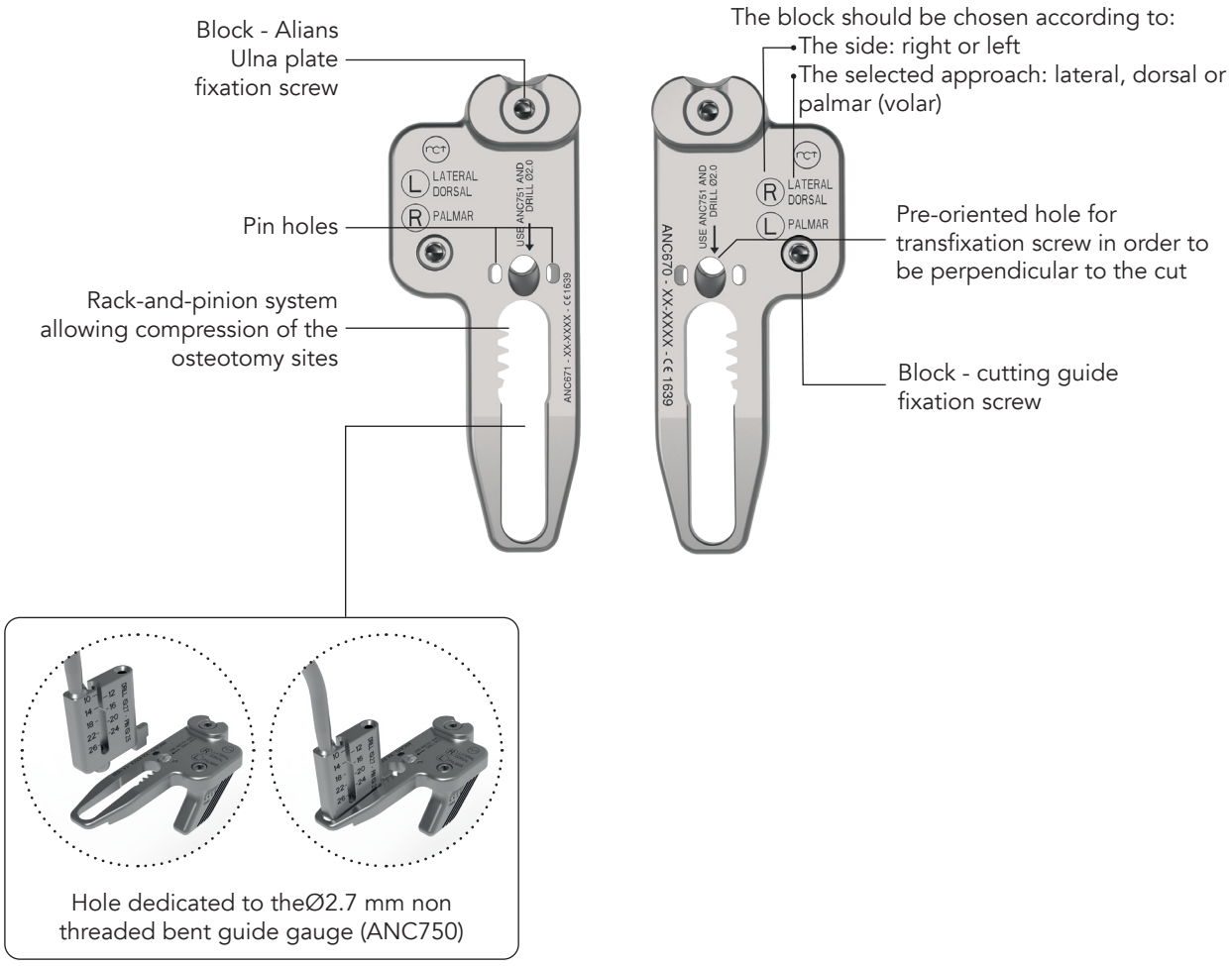


The threads under the screw head and inside the hole have strictly the same characteristics.

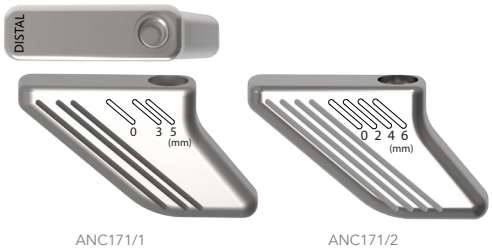
Cutting guide and compression device.

COMPONENTS

- 2 blocks (ANC670 and ANC671) allowing to manage the operated side (right or left) and the approach (lateral, dorsal or palmar/volar).



- 2 cutting guides (ANC171/1 and ANC171/2) enabling 2 to 6 mm resections. The indication 'DISTAL' is present on each cutting guide to ensure an appropriate positioning on the block.



ANC171/1 ANC171/2

Surgical technique.

SURGICAL TECHNIQUE (PAGE 1/5)

The surgical technique described below is applicable for all the compatible surgical approaches of the range.

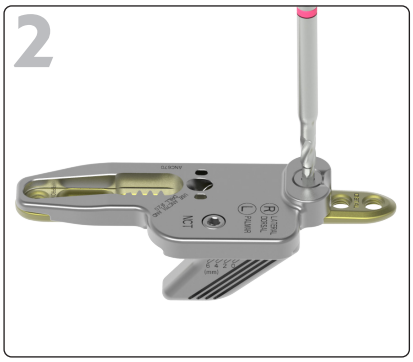
ASSEMBLING OF THE CUTTING GUIDE AND COMPRESSION DEVICE

Choose one of the two blocks (ANC670 or ANC671) depending on the operated side (left or right) and the selected approach (lateral, dorsal or palmar/volar).

The illustration above presents a palmar/volar approach on a left ulna.

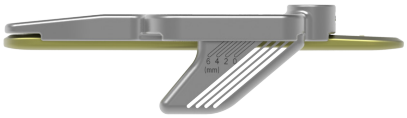
Choose the appropriate cutting guide (ANC171/1 or ANC171/2) depending on the resection to perform.

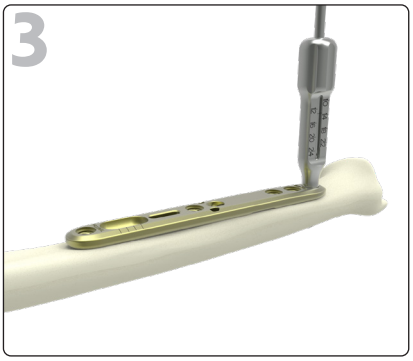
Assemble the cutting guide and the block by fastening the preassembled screw with the screwdriver part of the 2-in-1 instrument (ANC083C).



To perform the resection, adjust and secure the cutting and compression device to the plate. Insert and tighten the screw of the block into the appropriate hole of the plate using the screwdriver part of the 2-in-1 instrument (ANC083C).

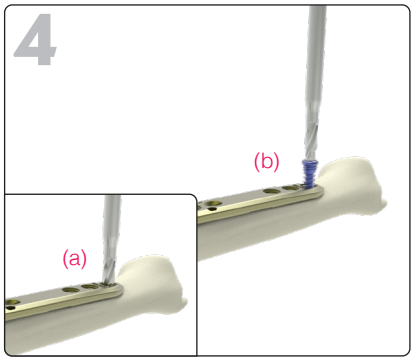
FINAL RESULT.





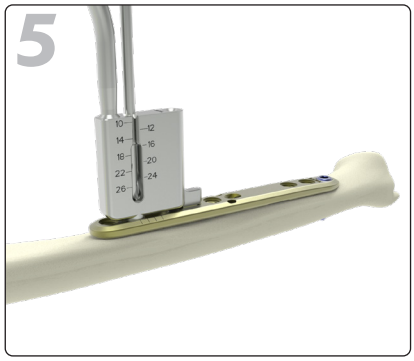
Position the plate. In the most distal hole, drill (Ø2.7 mm) (ANC089C) and directly read the drilling depth on theØ2.7 mm threaded guide gauge (ANC186).

N.B: It is possible to position the plate previously assembled with the cutting guide and compression device.



a. To ease the insertion of theØ3.5 mm locking screw (SOT3.5Lxx) use the countersink part of the 2-in-1 instrument (ANC083C) to widen the previously drilled first cortex.

b. Insert aØ3.5 mm locking screw (SOT3.5Lxx) using the screwdriver part of the 2-in-1 instrument (ANC083C).

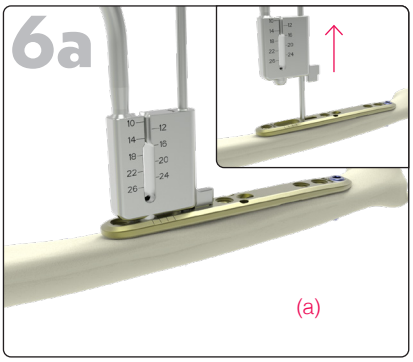


Snap theØ2.7 mm non threaded bent guide gauge (ANC750) in the plate oblong hole.

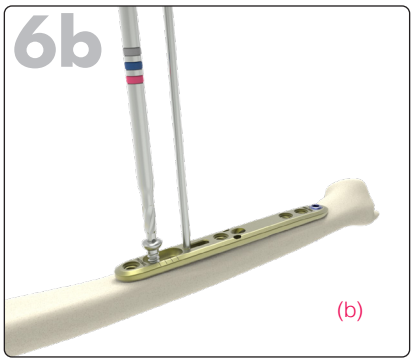
In the proximal hole of the instrument, perform theØ2.7 mm drilling (ANC089C) and directly read the drilling depth.

N.B: In case where the block is assembled with the plate, theØ2.7 mm non threaded bent guide gauge (ANC750) can be snapped in through the block (see § "components").

SURGICAL TECHNIQUE (PAGE 2/5)

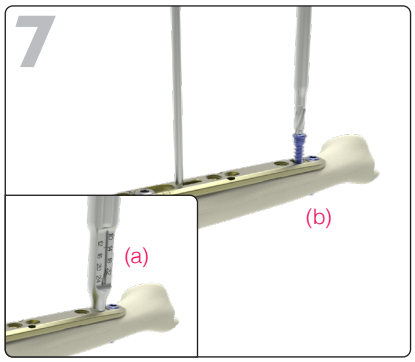


In the distal hole of the instrument (ANC750), insert aØ2.2 mm pin (33.0222.120) using the binon-locking fixation method. Remove the non threaded bent guide gauge (ANC750) by sliding it along theØ2.2 mm pin (33.0222.120).



b. Insert aØ3.5 mm non-locking screw (CT3.5Lxx) using the binon-locking fixation method in the proximal part of the oblong hole using the screwdriver part of the 2-in-1 instrument (ANC083C).

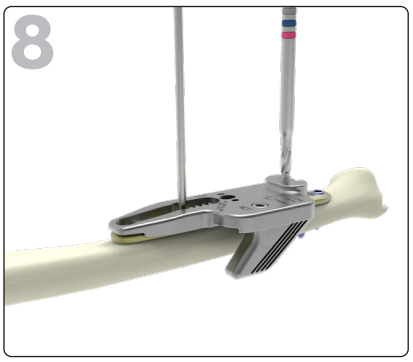
The non-locking screw (CT3.5Lxx) and theØ2.2 mm pin (33.0222.120) help to perfectly align both proximal and distal parts during compression.



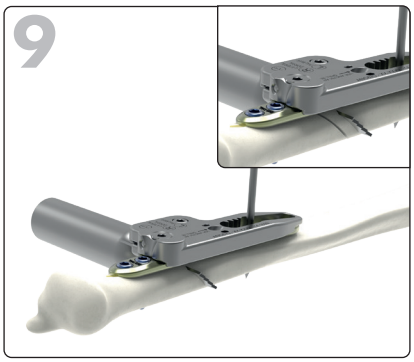
a. In the second distal hole of the plate, drill (Ø2.7 mm) (ANC089C) using theØ2.7 mm threaded guide gauge (ANC186). Measure the screw lengh directly on the threaded guide gauge (ANC186) or with the length gauge (ANC124).

b. Insert aØ3.5 mm locking screw (SOT3.5Lxx) using the screwdriver part of the 2-in-1 instrument (ANC083C).

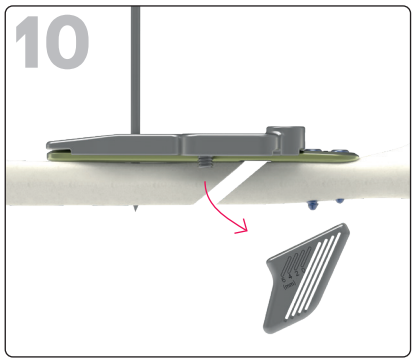
N.B: In case where the block is assembled with the plate, theØ2.7 mm threaded guide gauge (ANC186) can be locked on the second most distal hole without conflict with the block.



Assemble the cutting and compression device (see. § "Assembling") and fix it into the distal hole the closest to the osteotomy site.



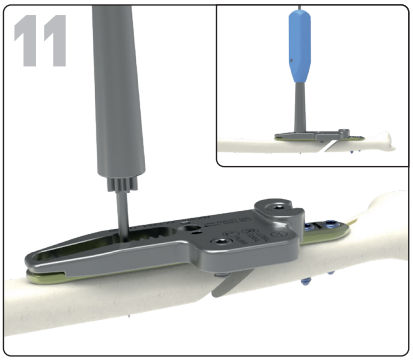
Perform the two cuts necessary for the ulnar shortening osteotomy using the cutting guide at **graduation 0 at first**. Then at the graduation corresponding to the required resection. The resection is thus made by two oblique saw cuts.



Remove the cutting guide (ANC171/1 or ANC171/2) to pull out the resected bone fragment.

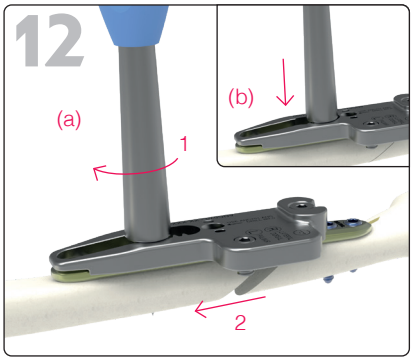
SURGICAL TECHNIQUE (PAGE 3/5)

OPTION 1: STABILIZATION STANDARD NON-LOCKING SCREW



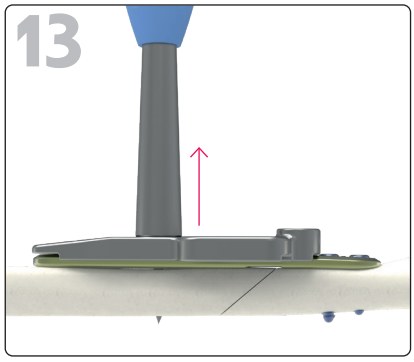
Slide the cannulated handle (ANC669) along theØ2.2 mm pin (33.0222.120) and into the rack-and-pinion section of the block.

⚠ Unscrew the non-locking screw (CT3.5Lxx) of only half a turn so that the plate may be slided.

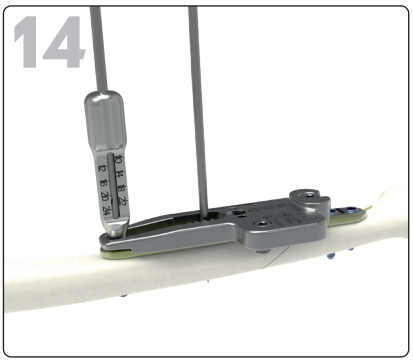


a. Rotate the cannulated handle to perform compression of the osteotomy site.

b. While maintaining the compression, tighten up theØ3.5 mm non-locking screw (CT3.5Lxx) into the oblong hole.

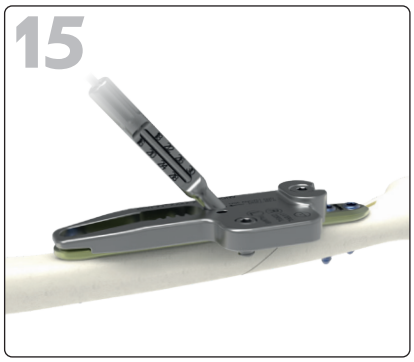


Remove the cannulated compression handle (ANC669) by sliding it along theØ2.2 mm pin (33.0222.120).



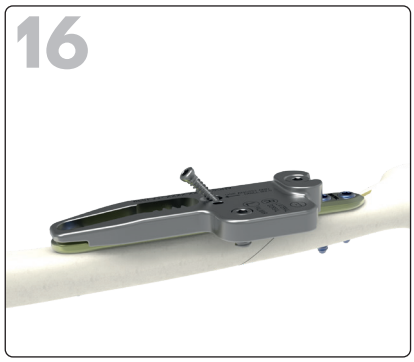
Into the most proximal hole, drill (ø2.7 mm) (ANC089C) using theØ2.7 mm guide gauge (ANC186). Measure the screw lengh directly on the threaded guide gauge (ANC186) or with the length gauge (ANC124).

Insert aØ3.5 mm locking screw (SOT3.5Lxx) Remove theØ2.2 mm pin (33.0222.120).



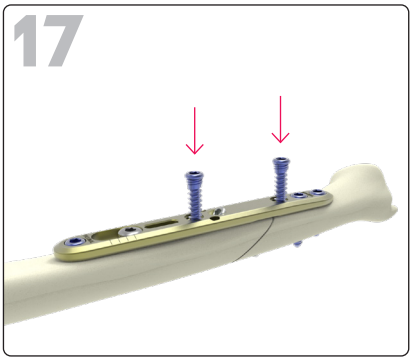
Position theØ2.0 mm non threaded guide gauge (ANC751) into the pre-angled (50°) hole of the block (ANC670/671), drill (ø2.0 mm) (ANC088) using a bicortical fixation method and directly read the drilling depth on the guide gauge (ANC751).

⚠ Ø2.7 mm drill must not be used into the pre-angled hole (ANC089C).

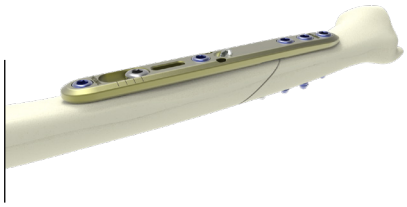


Insert aØ2.8 mm non-locking screw (CT2.8Lxx) directly through the block using the appropriate screwdriver (ANC082).

SURGICAL TECHNIQUE (PAGE 4/5)

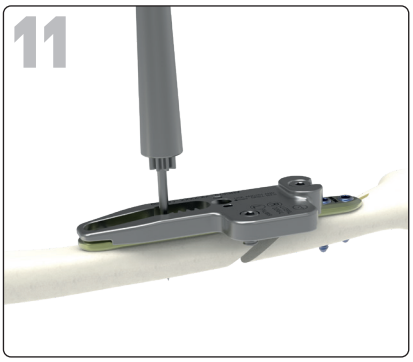


Remove the block and complete the procedure by inserting the last twoØ3.5 mm locking screws (SOT3.5Lxx) into the remaining locking holes using the technique described in the step 1 and 2.



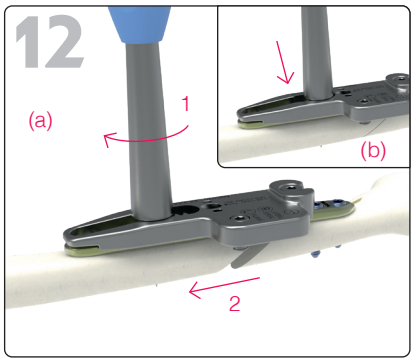
FINAL RESULT.

OPTION 2: COMPRESSION LAG SCREW



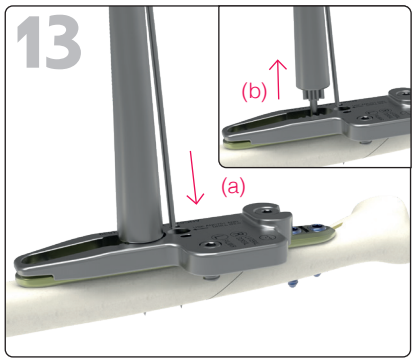
Slide the cannulated compression handle along theØ2.2 mm pin (33.0222.120) and into the rack-and-pinion section of the block.

⚠ Unscrew the non-locking screw (CT3.5Lxx) of only half a turn so that the plate may be slided.



a. Rotate the cannulated handle to perform compression of the osteotomy site.

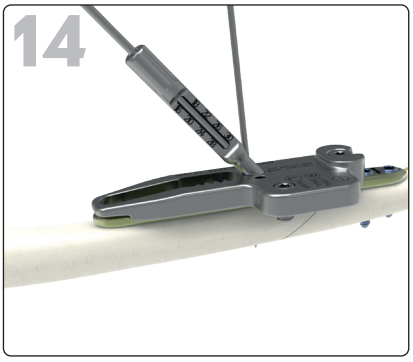
b. While maintaining the compression, tighten theØ3.5 mm non-locking screw (CT3.5Lxx) into the oblong hole.



a. Insert aØ1.6 mm pin (33.0216.100) into one of the appropriate side holes for stabilization of the assembly. **Make sure to insert the pin into the proximal part of the pin hole in order to allow compression.**

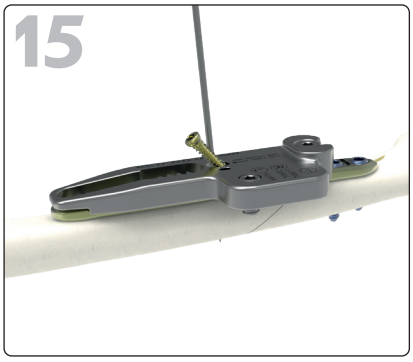
b. Then remove both the cannulated compression handle (ANC669) and the Ø2.2 mm pin (33.0222.120).

SURGICAL TECHNIQUE (PAGE 5/5)

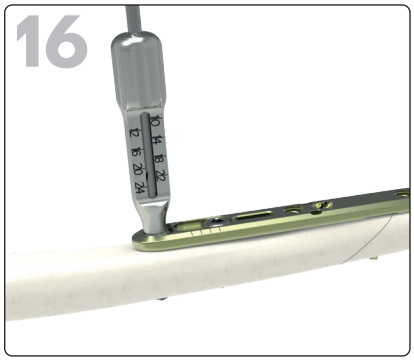


Position theØ2.0 mm non threaded guige gauge (ANC751) into the pre-angled (50°) hole of the block and perform the drilling (ø2.0 mm) (ANC088) using a bicortical fixation method. Read directly the drilling depth on theØ2.0 mm non threaded guide gauge (ANC751).

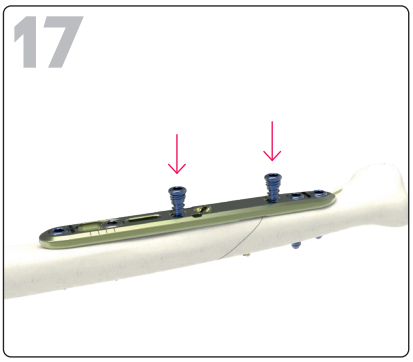
⚠ Ø2.7 mm drill must not be used into the preangled hole (ANC089C).



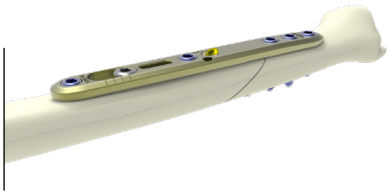
Insert aØ2.8 mm lag screw (QBT2.8Lxx) directly through the block using the appropriate screwdriver (ANC082).



Remove theØ1.6 mm pin and the block. Into the most proximal hole, drill (ø2.7mm) (ANC089C) using theØ2.7 mm threaded guige gauge (ANC186). Insert aØ3.5 mm locking screw (SOT3.5Lxx) using the screwdriver part of the 2-in-1 instrument (ANC083C).



Complete the procedure by inserting the last twoØ3.5 mm locking screws (SOT3.5Lxx) into the remaining locking holes using the technique described in step 1 and 2.



FINAL RESULT.

Implants references.

Please note that all implants are also available in sterile packaging.An 'ST' code is added at the end of the reference.
Ex. : « CT3.5L10-ST »

Alians Ulna plate 3/3

Ref.	Description
HTSIS2	Distal ulnar osteotomy plate - Symmetrical - Size 2

ø2.8 mm Non-locking screws*

Ref.	Description
CT2.8L16 to CT2.8L24	Ø2.8 mm non-locking screw - L16 to 24 mm (2mm increments)

*Non anodized (sterile version in light pink)

ø2.8 mm Lag screws*

Ref.	Description
QBT2.8L18 to QBT2.8L24	Ø2.8 mm lag screw - L18 to 24 mm (2mm increments)

*Yellow anodized

ø3.5 mm Non-locking screws*

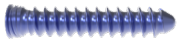
Ref.	Description
CT3.5L10 to CT3.5L22	Ø3.5 mm non-locking screw - L10 to 22 mm (2mm increments)

*Non anodized (sterile version in light blue)

Ø3.5mm Locking screws*

Ref.	Description
SOT3.5L10 to SOT3.5L22	Ø3.5 mm locking screw - L10 to 22 mm (2mm increments)

*Blue anodized



REMOVAL KIT

If you have to remove ALIANS ULNA implants, make sure to order the Newclip Technics removal set which includes the following instruments:

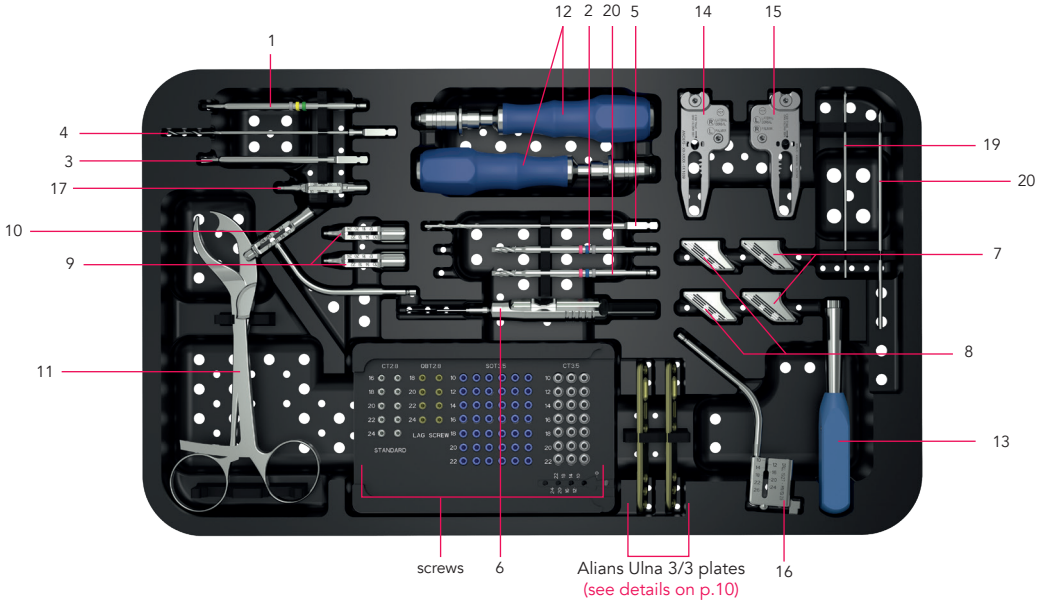
- ANC042: Mini set - Base
- ANC103 forØ2.8 mm screws
- ANC107 forØ3.5 mm screws
- ANC350:Ø4.5 mm AO quick coupling handle - Size 1
- ANC351:Ø4.5 mm AO quick coupling handle - Size 2

To remove any of the ALIANS ULNA 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.

Instrument references.

#	Ref.	Description	Qty
1	ANC082	2.0 mm quick coupling hexagonal prehensor screwdriver	2
2	ANC083C	2 in 1 : 2.5 mm hexagonal prehensor screwdriver -Ø3.5 mm countersink	2
3	ANC084	Ø2.8 mm quick coupling countersink	1
4	ANC088	Ø2.0 mm quick coupling drill bit – L125 mm	1
5	ANC089C	Ø2.7 mm quick coupling drill bit - L125 mm	2
6	ANC124	Length gauge forØ3.5 mm screws	1
7	ANC171/1	Ulna cutting guide 3 - 5 mm	2
8	ANC171/2	Ulna cutting guide 2 - 4 - 6 mm	2
9	ANC186	Ø2.7 mm threaded guide gauge forØ3.5 mm screws	2
10	ANC191	Ø2.7 mm non threaded bent guide gauge forØ3.5 mm screws	1

#	Ref.	Description	Qty
11	ANC349	15 cm verbrugge forceps	2
12	ANC350	Ø4.5 mm AO quick coupling handle – Size 1	2
13	ANC669	Ø2.6 mm cannulated handle for Ulna cutting guide	1
14	ANC670	Left long block for Ulna plate	1
15	ANC671	Right long block for Ulna plate	1
16	ANC750	Ø2.7 mm non threaded bent guide gauge –Ø2.5 mm pin guide	1
17	ANC751	Ø2.0 mm non threaded guide gauge for Ulna	1
18	ANC862	2 in 1 : 2.5 mm hexagonal prehensor screwdriver - Ø3.5 mm countersink - L117 mm	1
19	33.0216.100	PinØ1.6 L100	2
20	33.0222.120	PinØ2.2 L120	2



PSI options

Ref.	Description
ANC642	Opening wedge osteotomy instrument
ANC956	Patient specific wedge
ANC976	Patient specific cutting guide for forearm osteotomy
ANC1134	Patient specific cutting guide for iliac graft
ANC1135	Patient specific cutting guide for synthetic graft
ANC1184	Patient specific cutting guide for femoral head
ANC1219	Ø2.6 mm pin for cutting guide - L30 mm
ANC1220	Ø2.6 mm pin for cutting guide - L15 mm
ANC1224	Patient specific realignement guide
ANC042	Mini set - Base
33.0212.120	PinØ1.2 - L120 mm
33.0220.120	PinØ2.0 - L120 mm

Compatible with patient-specific cutting guides (PSI)

Please contact your NEWCLIP TECHNICS representative if you have any questions about the availability of NEWCLIP TECHNICS products in your area.

Manufacturer: Newclip Technics - Brochure EN - ALIANS ULNA 3/3 - Ed.7 - 04/2026 - Medical devices: class IIb - CE1639 SGS BE - 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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