

XPert WRIST 2.4 - OSTEOTOMY PLATE.



CORRECTION OF THE ULNAR VARIANCE

Intended purpose:

The implants of the Xpert Wrist range are intended for the fixation of hand and forearm fractures, osteotomies and arthrodeses in adults.

Contraindications :

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

TECHNICAL FEATURES

► Anatomical implant

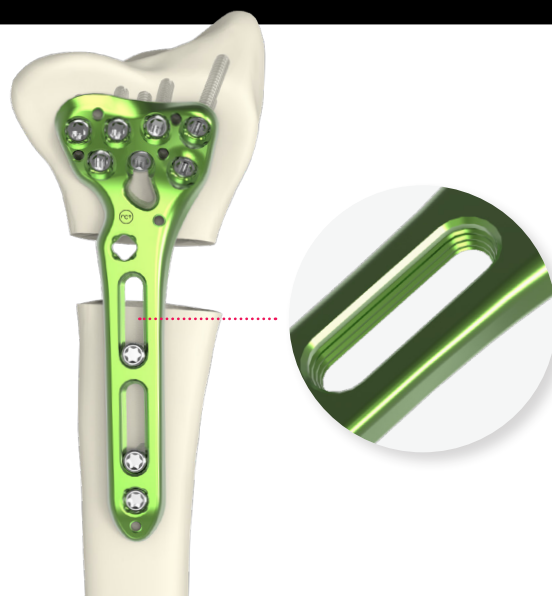
- The design of the implant is the result of a proprietary state-of-the-art mapping technology to establish the maximum congruence between the plate and the bone.

► Locking oblong holes

- Allowing to either adjust the plate positioning with a non-locking screw or with a locking screw.
- Used to adjust the ulnar variance thanks to the dedicated osteotomy distraction pliers.



ANC1158-1



REFERENCES

OSTEOTOMY VOLAR PLATES

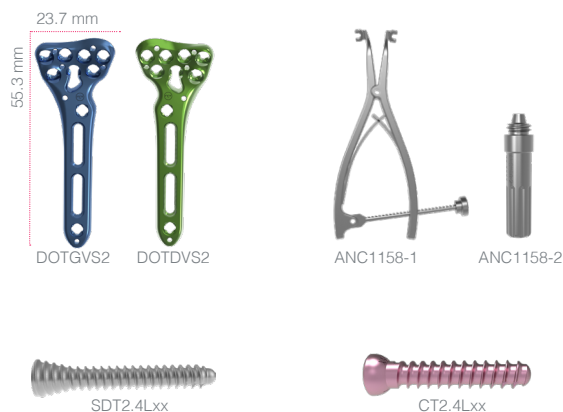
Ref.	Description
DOTGVS2	Distal radius osteotomy plate - Standard - Left - Size 2
DOTGVS2-ST	Distal radius osteotomy plate - Standard - Left - Size 2 - STERILE
DOTDVS2	Distal radius osteotomy plate - Standard - Right - Size 2
DOTDVS2-ST	Distal radius osteotomy plate - Standard - Right - Size 2 - STERILE

OSTEOTOMY VOLAR INSTRUMENTS

Ref.	Description
ANC1158-1	Osteotomy distraction pliers
ANC1158-2	Ø1.8 mm threaded guide for distraction pliers

Ø2.4 MM SCREWS

Ref.	Description
SDT2.4Lxx	Ø2.4 mm locking screw - L08 to 30 mm (2 mm incrementation)
SDT2.4Lxx-ST	Ø2.4 mm locking screw - STERILE - L08 to 30 mm (2 mm incrementation)
CT2.4Lxx	Ø2.4 mm non-locking screw - L08 to 30 mm (2 mm incrementation)
CT2.4Lxx-ST	Ø2.4 mm non-locking screw - STERILE - L08 to 30 mm (2 mm incrementation)



ADDITIONAL REFERENCES

All the osteotomy instruments must be used with the Xpert Wrist 2.4 plates and instruments found in the dedicated kit. The references of the complementary plates and instruments are available in the brochure XPert WRIST 2.4.

REMOVAL SET

If you have to remove XPert WRIST 2.4 implants, make sure to order the Newclip Technics removal set which includes the following instruments:

- ANC575: T8 quick coupling screwdriver
- ANC350: Ø4.5 mm AO quick coupling handle - Size 1

Example using a distal radius osteotomy size 2 plate (DOTDVS2)

STEP 2 : FIXED ANGLE OR VARIABLE-ANGLE USE



1. Perform the osteotomy cut on the metaphyseal part of the radius.

Position the plate on the volar aspect of the radius and below the watershed line. Align the diaphyseal position of the plate to the radial shaft.

If necessary, use a Ø1.4 mm pin (33.0214.120) inserted through one of the pin holes to temporary fix the plate.



SCREW POSITIONING: FIXED-ANGLED USE

OR

SCREW POSITIONING: VARIABLE-ANGLE USE

Insert the threaded guide gauge (ANC694) into the radioulnar hole and drill using the Ø1.8 mm drill bit (ANC696).

Determine the screw length on the threaded guide gauge (ANC694) (1) or using the length gauge (ANC102) (2). Then, insert a Ø2.4 mm locking screw (SDT2.4Lxx) using the screwdriver (ANC575).

Insert the polyaxial drill guide (ANC687) into the radioulnar hole and drill using the Ø1.8 mm drill bit (ANC696).

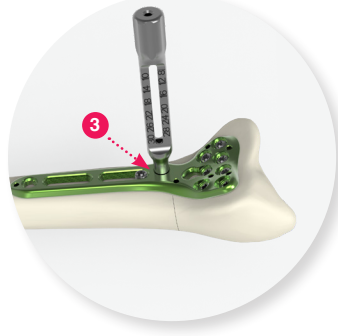
Determine the screw length using the length gauge (ANC102) (2). Then, insert a Ø2.4 mm locking screw (SDT2.4Lxx) using the screwdriver (ANC575).



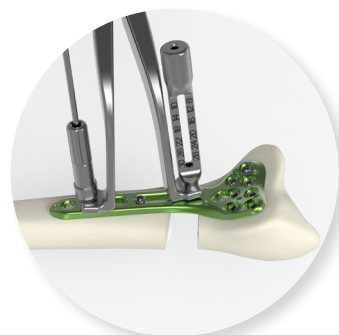
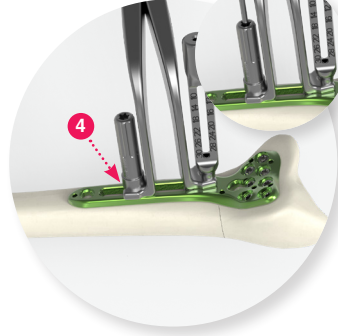
3. Proceed similarly to the step 2 for all the distal epiphyseal holes of the plate.



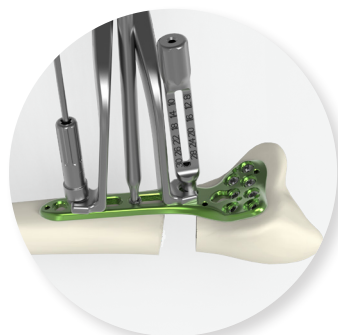
4. Place a Ø2.4 mm locking screw (SDT2.4Lxx) distally in the distal oblong hole without tightening it completely.



5. Lock the Ø1.8 mm threaded guide gauge (ANC694) in the most distal hole of the diaphyseal part of the plate (3). Position one side of the osteotomy distraction pliers (ANC1158-1) on the threaded guide gauge. Lock the Ø1.8 mm threaded guide for distraction pliers (ANC1158-2) onto the pliers (ANC1158-1) with the screwdriver (ANC575). The other side of the pliers must be positioned distally on the proximal oblong hole (4). Drill using the drill bit (ANC696) through the drill guide of the osteotomy pliers and leave the drill in place.



6. Then, distract using the pliers until the needed distraction and radio-ulnar variance.



7. When the radial height is reached, lock the screw in the oblong hole completely using the screwdriver (ANC575).



8. Use the polyaxial or the monoaxial technique to insert the remaining Ø2.4 mm locking screws (SDT2.4Lxx).

As in this example, it may occur that a hole after the distraction is positioned inside the fracture line. In this case, there is no need to insert a screw.



FINAL RESULT

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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Manufacturer: Newclip Technics – Brochure EN – Xpert Wrist 2.4 - Osteotomy Plate – ED2 – 10/2024 - Medical device EC: class IIb – CE1639 SGS BE - US Class: II.

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.