XPERT WRIST 2.4

FRAGMENT
SPECIFIC PLATES

XPERT WRIST 2.4 - FRAGMENT SPECIFIC

Intented 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

DISTAL RADIUS PLATES

→ COMPLETE RANGE OF IMPLANTS FOR RADIAL COLUMN AND INTERMEDIATE COLUMN

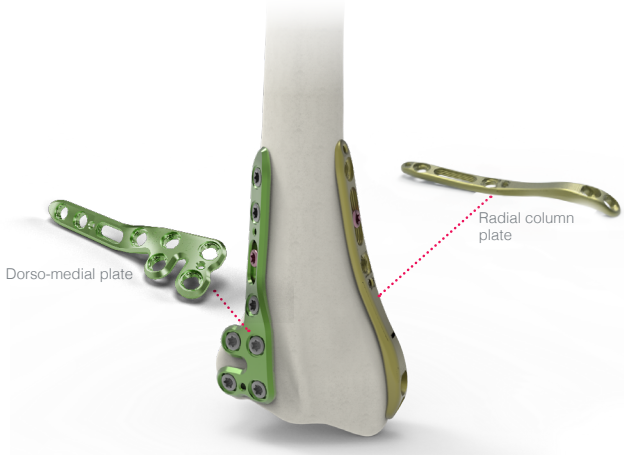
Dorso-medial plates

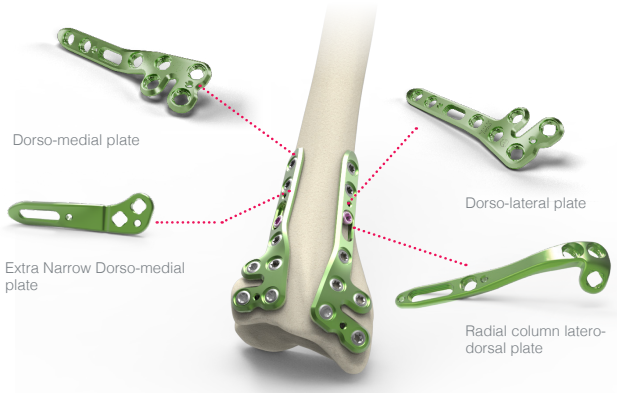
Extra Narrow Head | Standard Head

Dorso-lateral plates

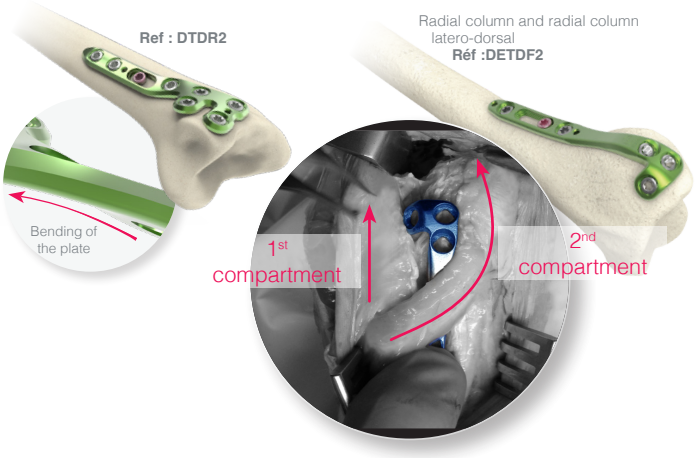
Radial column latero-dorsal plates

Radial column plates





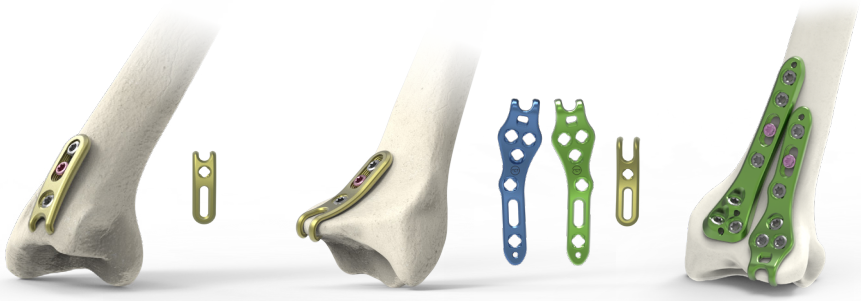
- **Precontoured plates** for anatomical fit.



TECHNICAL FEATURES

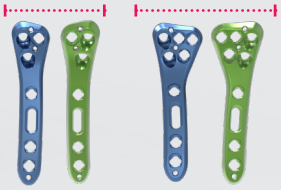
→ RIM HOOK PLATES

Posterior hook **Anterior hook** **Volar radial**



Assembly possible of an anterior hook plate with a radial volar plate to reach the radial styloid. Each plate can be used alone depending on the fracture pattern.

Narrow Head Standard Head



CAUTION

The choice to associate an anterior hook (size 2 or 3) with a radial volar plate (narrow or standard head) is at the discretion of the surgeon.

→ VOLAR RIM PLATES

- **Precontoured plates** for anatomical fit.

Narrow Head Standard Head Wide Head

CAUTION

The window's hole is for **monoxial fixation only.**

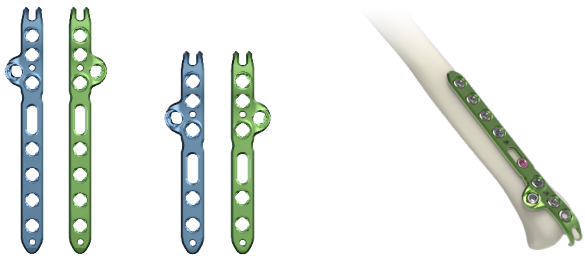
Post-operative Consideration

The plate positioning onto the watershed line may increase the risk of tendon injury. Surgeon should take this into consideration during subsequent follow–up of the patient. Plate removal post–healing is mandatory.

Lateral Lip allowing the plate positioning on the watershed line.

DISTAL ULNA PLATES

- **Antero-lateral positioning,** with an anterior bracket.



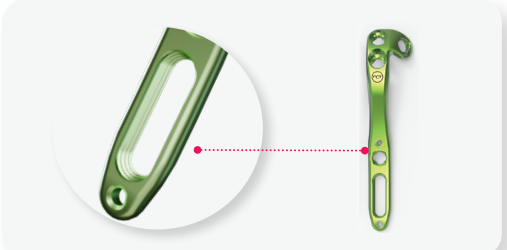
FIXATION TECHNICAL FEATURES

- **A single screw diameter:** Ø2.4 mm locking screws (SDT2.4Lxx) and Ø2.4 mm non-locking screws (CT2.4Lxx).
- **Polyaxial platform, allowing angulation of ± 10 °,** thanks to the use of the **polyaxial drill guide (ANC687)**, and allowing to adjust the orientation of the screws during surgery.
- **Hexalobular stamp**

Hexalobular stamp

±10° angle

- **Locking Oblong hole:** Depending on the surgical technique, the non-locking screws can be used either to finalize the reduction by compressing the plate on the bone, or to temporarily stabilize the plate. In case of poor bone quality, the use of a locking screw can also increase the stability.



⚠ When using the polyaxial drill guide, make sure that the guide is held in the axis to prevent over-angulation of the drill, which could lead to failure of the locking mechanism.

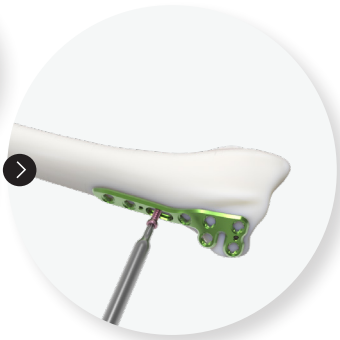
SURGICAL TECHNIQUE

DORSO-MEDIAL AND RADIAL COLUMN PLATES

Example: Double column assembly with dorso-medial plate (DTDR2) and radial column plate (DETSL2).

1. Position the dorso-medial plate and drill (ANC696) using the threaded guide gauge (ANC694) or the non-threaded bent guide gauge (ANC695) into the oblong hole.

   Determine the screw length directly on the guide gauge or use the length gauge (ANC102).



2. Insert the Ø2.4 mm non-locking screw (CT2.4Lxx) using the screwdriver (ANC575).

3. Position the radial column plate and drill (ANC696) using the threaded guide gauge (ANC694) or the non-threaded bent guide gauge (ANC695) into the oblong hole.

   Determine the screw length directly on the guide gauge or use the length gauge (ANC102).

4. Insert the Ø2.4 mm non-locking screw (CT2.4Lxx) using the screwdriver (ANC575).

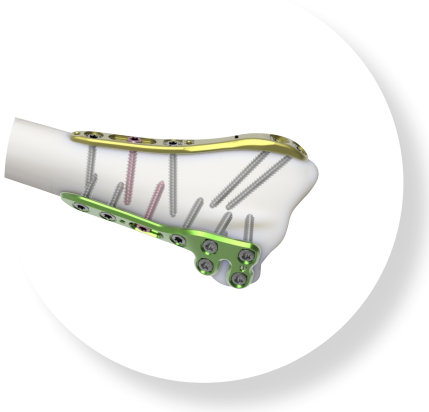
5. Insert two Ø2.4mm locking screws (SDT2.4Lxx) in the most distal holes of the dorso medial plate using the polyaxial drill guide (ANC687) or the threaded guide gauge (ANC694) and the drill bit (ANC696).

6. The drilling depth can be measured by inserting the length gauge (ANC102).

7. Insert the 2 locking screws (SDT2.4Lxx) in the most distal holes of the radial column plate using the polyaxial drill guide (ANC687) and the drill bit (ANC696).

8. The drilling depth can be measured by inserting the length gauge (ANC102).

9. Repeat the same steps for the remaining Ø2.4 mm locking screws (SDT2.4Lxx). The final tightening of the screws must be performed by hand.



FINAL RESULT

SURGICAL TECHNIQUE

EXTRA-DISTAL RADIUS PLATE

Example with an extra-distal plate for distal radius - Narrow head (DETDVN1)

1. Position the plate on the watershed line using the lateral lip of the plate.

2. Drill (ANC696) using the threaded guide gauge (ANC694) or the non-threaded bent guide gauge (ANC695) into the oblong hole.

   Determine the screw length directly on the guide gauge (ANC694) or use the length gauge (ANC102).

3. Insert the Ø2.4 mm non-locking screw (CT2.4Lxx) using the screwdriver (ANC575).

OPTIONAL STEPS :

4. To ensure that the screws do not go into the joint, insert the pin (33.0212.120) into the radioulnar pin hole of the plate and verify its positioning by X-Ray.

   If necessary, remove the pin and readjust the plate positioning using the oblong hole.

5. Lock the threaded guide gauge (ANC694) in the radioulnar locking hole.

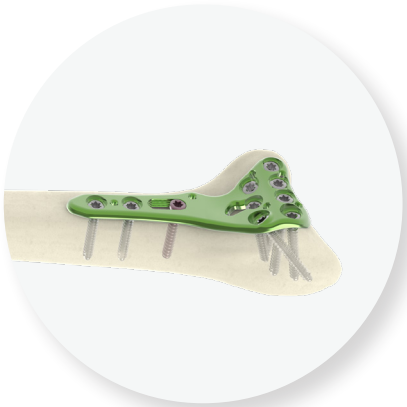
   Determine the screw length directly on the guide gauge (ANC694) or use the length gauge (ANC102).

NB : It is possible to modify the angulation using the polyaxial drill guide (ANC687) and the drill (ANC696). Then measure the depth using the length gauge (ANC102).

6. Insert a Ø2.4 mm locking screw (SDT2.4Lxx) using the screwdriver (ANC575). The final tightening of the screws must be performed by hand.

7. Repeat the last 2 steps for the remaining locking screws (SDT2.4Lxx) going from the distal to the proximal part of the plate.

8. In order to support the distal part, proceed in the same way as steps 5 and 6 for the monoaxial hole in the window.



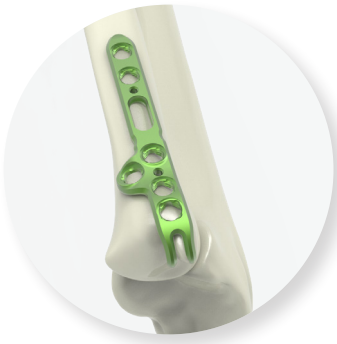
FINAL RESULT

⚠ The plate positioning onto the watershed line may increase the risk of tendon injury. Surgeon should take this into consideration during subsequent follow-up of the patient. Plate removal post–healing is mandatory.

SURGICAL TECHNIQUE

DISTAL ULNA PLATE

Example with distal ulna plate (HTDE1)



1. Grab the ulnar styloid with the hooks and position the plate onto the bone using both the hooks and anterior bracket as reference points.

2. Drill (ANC696) using the threaded guide gauge (ANC694) or the non–threaded bent guide gauge (ANC695) into the oblong hole.

   Determine the screw length directly on the guide gauge (ANC694) or use the length gauge (ANC102).

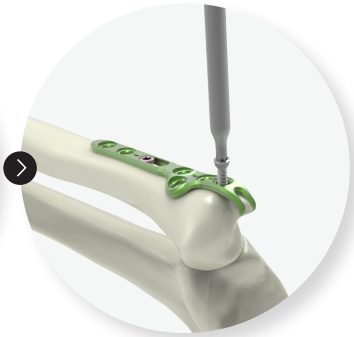
3. Insert the Ø2.4 mm non-locking screw (CT2.4Lxx) using the screwdriver (ANC575).

4. In the most distal locking hole, lock the polyaxial drill guide (ANC687). Angulate the drill bit (ANC696) if necessary and drill.

   The threaded guide gauge (ANC694) can also be used for a monoaxial use.

5. The drilling depth can be measured by inserting the length gauge (ANC102).

   It can also be directly read on the threaded guide gauge (ANC694).



6. Insert the Ø2.4 mm locking screw (SDT2.4Lxx) using the screwdriver (ANC575). The final tightening of the screws must be performed by hand.

7. Repeat these same steps for the remaining locking screws (SDT2.4Lxx) going from the distal to the proximal part of the plate.

FINAL RESULT

IMPLANT REFERENCES

DORSO-MEDIAL PLATES	
Ref.	Description
DTGRNS1	Dorso-medial plate - Distal radius - Extra Narrow - Left - Size 1
DTDRNS1	Dorso-medial plate - Distal radius - Extra Narrow - Right - Size 1
DTGRNS2	Dorso-medial plate - Distal radius - Extra Narrow - Left - Size 2
DTDRNS2	Dorso-medial plate - Distal radius - Extra Narrow - Right - Size 2
DTGRNS3	Dorso-medial plate - Distal radius - Extra Narrow - Left - Size 3
DTDRNS3	Dorso-medial plate - Distal radius - Extra Narrow - Right - Size 3
DTGR2	Dorso-medial plate - Distal radius - Left - Size 2
DTDR2	Dorso-medial plate - Distal radius - Right - Size 2

IMPLANT REFERENCES

DORSO-LATERAL PLATES

Ref.	Description
DTGQ2	Dorso-lateral plate - Distal radius - Left - Size 2
DTDQ2	Dorso-lateral plate - Distal radius - Right - Size 2

RADIAL COLUMN PLATES

Ref.	Description
DETSL1	Distal radial column plate - Distal radius - Symmetrical - Size 1
DETSL2	Distal radial column plate - Distal radius - Symmetrical - Size 2
DETSL3	Distal radial column plate - Distal radius - Symmetrical - Size 3

RADIAL COLUMN LATERO-DORSAL PLATES

Ref.	Description
DETGF1	Latero-dorsal radial column plate - Distal radius - Left - Size 1
DETDF1	Latero-dorsal radial column plate - Distal radius - Right - Size 1
DETGF2	Latero-dorsal radial column plate - Distal radius - Left - Size 2
DETDF2	Latero-dorsal radial column plate - Distal radius - Right - Size 2
DETGF3	Latero-dorsal radial column plate - Distal radius - Left - Size 3
DETDF3	Latero-dorsal radial column plate - Distal radius - Right - Size 3

VOLAR RIM PLATES

Ref.	Description
DETGVN1	Distal radius plate - Volar rim - Narrow - Left - Size 1
DETDVN1	Distal radius plate - Volar rim - Narrow - Right - Size 1
DETGVS1	Distal radius plate - Volar rim - Standard - Left - Size 1
DETDVS1	Distal radius plate - Volar rim - Standard - Right - Size 1
DETGVW1	Distal radius plate - Volar rim - Wide - Left - Size 1
DETDVW1	Distal radius plate - Volar rim - Wide - Right - Size 1

RADIAL HOOK PLATES

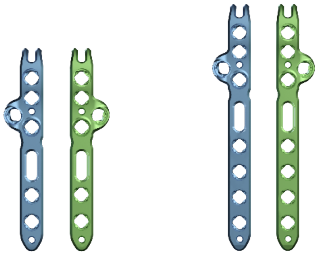
Ref.	Description
DTSH2	Volar rim hook - Distal radius - Symmetrical - Size 2
DTGH3	Volar rim hook - Distal radius - Left - Size 3
DTDH3	Volar rim hook - Distal radius - Right - Size 3
DTSTH2	Dorsal rim hook - Distal radius - Symmetrical - Size 2

RADIAL VOLAR PLATES

Ref.	Description
DTGBN2	Radial volar plate - Distal radius - Narrow - Left - Size 2
DTDBN2	Radial volar plate - Distal radius - Narrow - Right - Size 2
DTGBS2	Radial volar plate - Distal radius - Standard - Left - Size 2
DTDBS2	Radial volar plate - Distal radius - Standard - Right - Size 2

DISTAL ULNA PLATES

Ref.	Description
HTGE1	Distal ulna plate - Left - Size 1
HTDE1	Distal ulna plate - Right - Size 1
HTGE2	Distal ulna plate - Left - Size 2
HTDE2	Distal ulna plate - Right - Size 2

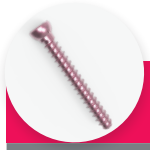


IMPLANT REFERENCES

Ø2.4 mm LOCKING SCREWS *

Ref.	Description
SDT2.4L08	Ø2.4 mm locking screw - L08 mm
SDT2.4L10	Ø2.4 mm locking screw - L10 mm
SDT2.4L12	Ø2.4 mm locking screw - L12 mm
SDT2.4L14	Ø2.4 mm locking screw - L14 mm
SDT2.4L16	Ø2.4 mm locking screw - L16 mm
SDT2.4L18	Ø2.4 mm locking screw - L18 mm
SDT2.4L20	Ø2.4 mm locking screw - L20 mm
SDT2.4L22	Ø2.4 mm locking screw - L22 mm
SDT2.4L24	Ø2.4 mm locking screw - L24 mm
SDT2.4L26	Ø2.4 mm locking screw - L26 mm
SDT2.4L28	Ø2.4 mm locking screw - L28 mm
SDT2.4L30	Ø2.4 mm locking screw - L30 mm

* Non anodized



Ø2.4 mm NON-LOCKING SCREWS *

Ref.	Description
CT2.4L08	Ø2.4 mm non-locking screw - L08 mm
CT2.4L10	Ø2.4 mm non-locking screw - L10 mm
CT2.4L12	Ø2.4 mm non-locking screw - L12 mm
CT2.4L14	Ø2.4 mm non-locking screw - L14 mm
CT2.4L16	Ø2.4 mm non-locking screw - L16 mm
CT2.4L18	Ø2.4 mm non-locking screw - L18 mm
CT2.4L20	Ø2.4 mm non-locking screw - L20 mm
CT2.4L22	Ø2.4 mm non-locking screw - L22 mm
CT2.4L24	Ø2.4 mm non-locking screw - L24 mm
CT2.4L26	Ø2.4 mm non-locking screw - L26 mm
CT2.4L28	Ø2.4 mm non-locking screw - L28 mm
CT2.4L30	Ø2.4 mm non-locking screw - L30 mm

*Pink anodized

Remark:

All implants are also available in sterile version.

Ex : «SDT2.4L10-ST»

INSTRUMENT REFERENCES

XPERT WRIST 2.4 FRAGMENT SPECIFIC INSTRUMENTS

Ref.	Description	Qty
ANC102	Length gauge for Ø2.8 mm screws	1
ANC350	Ø4.5 mm AO quick coupling handle - Size 1	1
ANC575	T8 quick coupling screwdriver	2
ANC578*	Bending pliers	2
ANC687	Polyaxial drill guide - SDT2.4 hole	2
ANC694	Ø1.8 mm threaded guide gauge for Ø2.4 mm screws	2
ANC696	Ø1.8 mm quick coupling drill bit - L125 mm	2
ANC1157	Non threaded polyaxial drill guide - SDT2.4 hole	1
ANC1228	Ø1.8 mm non threaded guide gauge for Ø2.4 mm screws with key	1
33.0214.120	Pin Ø1.4 - L120 mm	6

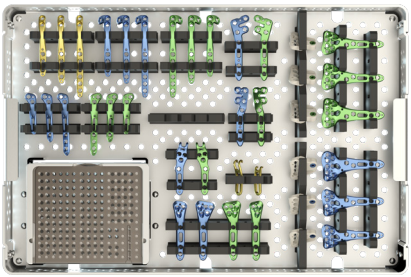
*BENDING PLIERS

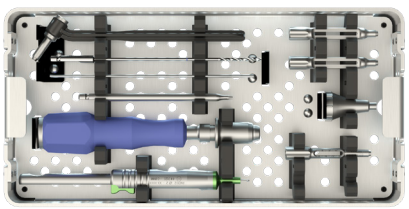
The bending pliers are intended for the XPERT WRIST 2.4 - FRAGMENT SPECIFIC plates except for volar rim plates and radial volar plates.

REMOVAL KIT

If you have to remove XPERT WRIST 2.4 FRAGMENT SPECIFIC 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





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.

Non-contractual pictures.

Manufacturer: Newclip Technics – Brochure EN – Xpert wrist 2.4 Fragment Specific – ED11 – 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.

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