

XPert WRIST 2.4 - LIFT OFF TECHNIQUE.



CORRECTION OF DISTAL RADIUS VOLAR TILT

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.

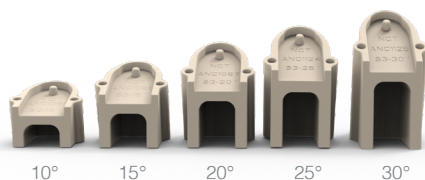
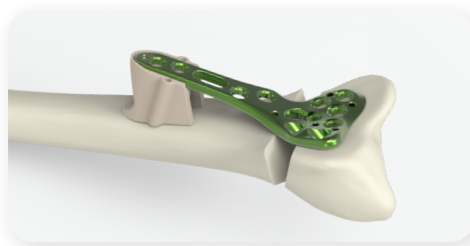
TECHNICAL FEATURES

► Instrumentation dedicated to the lift-off technique

- Allowing to adjust the volar tilt for the correction of the distal radius volar tilt.

METHOD WITH THE WEDGE SOLUTION

- Thanks to the **wedges**, a correction of 10° to 30° can be performed for the **size 3 plates only** (DTxVN3, DTxVS3 and DTxVW3).



METHOD WITH THE TILT STILT SOLUTION

- Thanks to the **locking tilt stilts** inserted into the most proximal hole of the plate (1), a correction from 5° to 30° can be performed for the **extra short** (DTxVNS1), **size 2** (DTxVN2 and DTxVS2) and the **osteotomy plates** (DOTxVS2).



► A comprehensive range of wedges and tilt stilts allowing the use of various plate sizes

Correction chart

Correction		5°	10°	15°	20°	25°	30°
Plate							
Extra short plates Ref. DTxVNS1		ANC1147 (H0)	ANC1148 (H1)	ANC1149 (H2)	ANC1150 (H3)	ANC1151 (H4)	ANC1152 (H5)
Size 2 plates Ref. DTxVN2; DTxVS2		ANC1148 (H1)	ANC1149 (H2)	ANC1150 (H3)	ANC1152 (H5)	ANC1153 (H6)	ANC1154 (H7)
Osteotomy plates Ref. DOTxVS2		ANC1149 (H2)	ANC1150 (H3)	ANC1152 (H5)	ANC1154 (H7)	ANC1155 (H8)	ANC1156 (H9)
Size 3 plates Ref. DTxVN3; DTxVS3; DTxVW3		/	ANC1085 (10° wedge)	ANC1086 (15° wedge)	ANC1087 (20° wedge)	ANC1124 (25° wedge)	ANC1125 (30° wedge)

Degree of accuracy: ± 2.5°

REFERENCES

INSTRUMENTATION

Ref.	Description
ANC1085	10° wedge - Distal radius volar tilt - Standard size 3
ANC1086	15° wedge - Distal radius volar tilt - Standard size 3
ANC1087	20° wedge - Distal radius volar tilt - Standard size 3
ANC1124	25° wedge - Distal radius volar tilt - Standard size 3
ANC1125	30° wedge - Distal radius volar tilt - Standard size 3
ANC1147	Tilt stilt - H0 - XS - 5°
ANC1148	Tilt stilt - H1 - XS - 10° / S2 - 5°
ANC1149	Tilt stilt - H2 - XS - 15° / S2 - 10° / OS - 5°
ANC1150	Tilt stilt - H3 - XS - 20° / S2 - 15° / OS - 10°
ANC1151	Tilt stilt - H4 - XS - 25°
ANC1152	Tilt stilt - H5 - XS - 30° / S2 - 20° / OS - 15°
ANC1153	Tilt stilt - H6 - S2 - 25°
ANC1154	Tilt stilt - H7 - S2 - 30° / OS - 20°
ANC1155	Tilt stilt - H8 - OS - 25°
ANC1156	Tilt stilt - H9 - OS - 30°

See previous page for details

Additional references

All the lift-off 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 XPRT WRIST 2.4.

REMOVAL SET

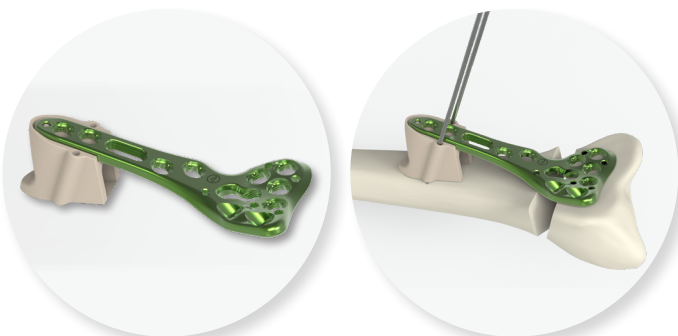
If you have to remove a XPRT WRIST 2.4 implant, make sure to order the Newclip Technics removal set which includes the following instruments:

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

SURGICAL TECHNIQUE

METHOD WITH THE WEDGE SOLUTION

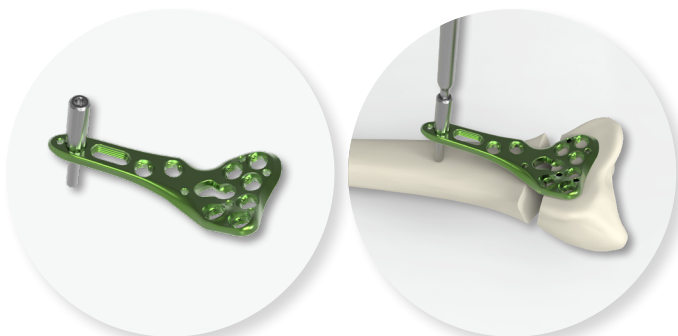
Example using a standard size 3 plate (DTDVS3) for a 20° correction (ANC1087)



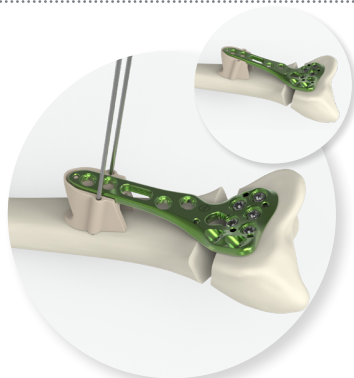
1. Depending on the plate and the correction needed (see correction chart on previous page), choose the appropriate lift-off wedge (for the size 3 plates only). The chosen wedge is then positioned under the proximal part of the plate.
2. Position the distal part of the plate below the watershed line and insert one or two Ø1.4 mm pins (33.0214.120) into the dedicated holes of the wedge (ANC1087) to temporarily fix the assembly onto the radius.

METHOD WITH THE TILT STILT SOLUTION

Example using a standard size 2 plate (DTDVS2) for a 20° correction (ANC1152)

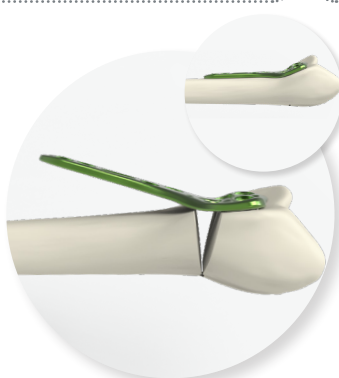


1. Choose the appropriate lift-off tilt stilt (for the extra short, the size 2 or the osteotomy plates) depending on the plate and the correction needed (see the correction chart on previous page).
2. The chosen tilt stilt is locked into the most proximal locking hole of the plate using the screwdriver (ANC575). Use a clamp to position the distal part of the plate below the watershed line.

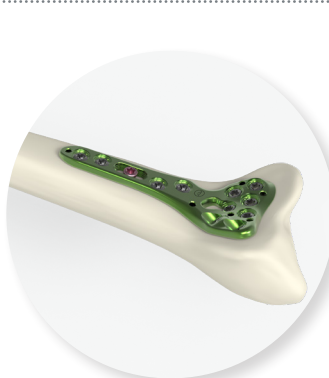


3. Use the monoaxial or the polyaxial technique detailed in the XPRT WRIST 2.4 brochure to insert the Ø2.4 mm locking screws (SDT2.4Lxx) into the distal part of the plate.

Then, the pin(s) or the clamp can be removed.



4. Remove the wedge with the clamp and thanks to the lift-off technique, tilt the distal part of the diaphyseal part of the radius. For the tilt solution, use the screwdriver (ANC575) to remove the tilt stilt.



5. Use the monoaxial or the polyaxial technique detailed in the XPRT WRIST 2.4 brochure to insert:
 - Ø2.4 mm locking screws (SDT2.4Lxx) into the remaining proximal holes
 - Ø2.4 mm non-locking screws (CT2.4Lxx) in the oblong hole(s).



FINAL RESULT

NEXT STEPS APPLY FOR THE TWO METHODS

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Manufacturer : Newclip Technics – Brochure EN – Xpert Wrist 2.4 - Lift off technique – ED3 – 10/2024 - Medical device EC: class IIb – CE1639 SGS BE - US Class: II

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