



NEWCLIP
TECHNICS



XPERT
WRIST

SPANNING PLATES

XPERT WRIST - SPANNING PLATES

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

Contraindications:

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

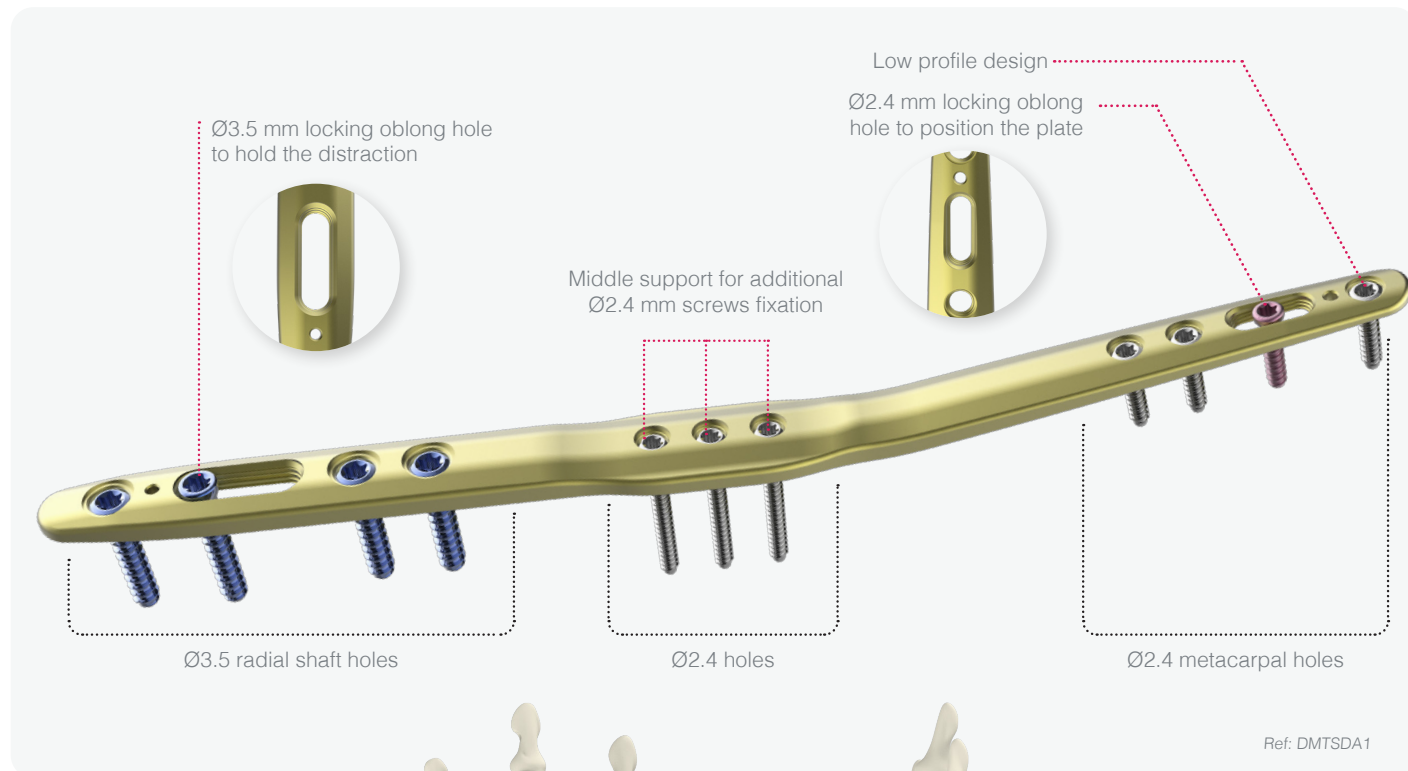
A COMPREHENSIVE RANGE OF PLATES

- Two sizes to fit various patient anatomy.
- 12° curved versions available for neutral hand positioning.



TECHNICAL FEATURES

PLATE FEATURES



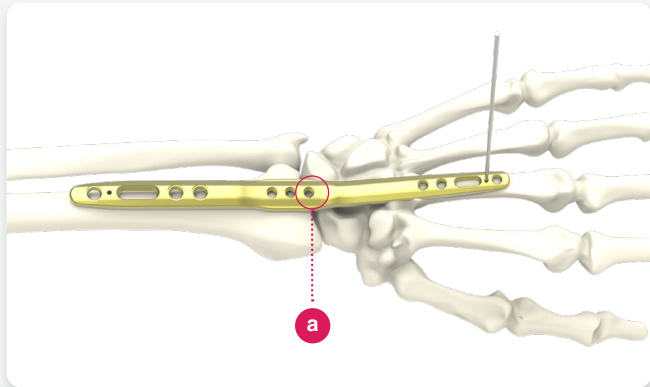
Plates can be placed over the 2nd or 3rd metacarpal

12° curved version for a neutral hand positioning

SURGICAL TECHNIQUE

SPANNING PLATES (PAGE 1 / 2)

Example using the dorsal spanning plate for distal radius - Angulated - Size 1 (DMTSDA1)

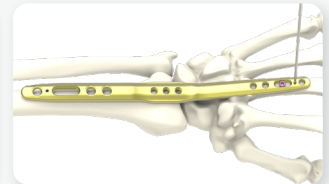
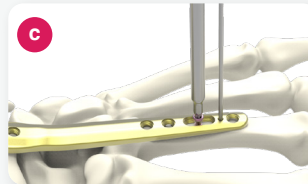
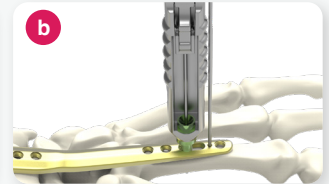
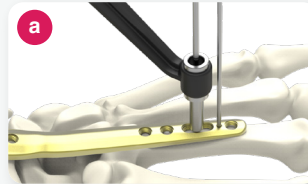


1. Placement

Choose the appropriate plate and position it over the skin. The middle screws support should be over the radio dorsal lip. Use the fluoroscopy to check the placement and size of the plate.

Proceed to the incisions. Insert the plate from distal to proximal along the dorsal surface of the second or third metacarpal, the carpus and the radius.

Make sure that the distal locking hole of the middle support (a) is flush with the radio dorsal lip and fix the plate temporarily using a Ø1.4 mm pin (33.0214.120).

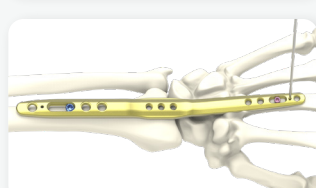
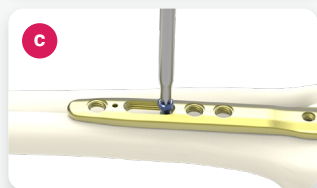
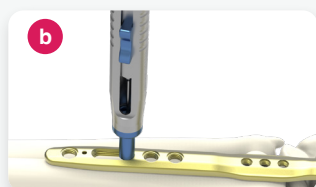
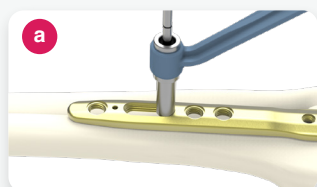


2. Metacarpal fixation

Secure the plate on the metacarpal by connecting first, the black non threaded polyaxial drill guide for Ø2.4 mm screws (ANC1157) to the distal oblong hole of the plate. Then drill using the Ø1.8 mm drill bit (ANC696) (a).

Determine the screw length using the length gauge (ANC102) (b) and insert a Ø2.4 mm non locking screw (CT2.4Lxx) with the screwdriver (ANC575) (c).

The final tightening of the screw must be performed by hand.

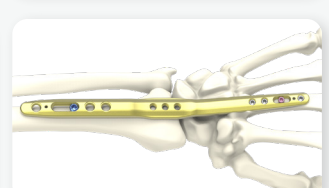
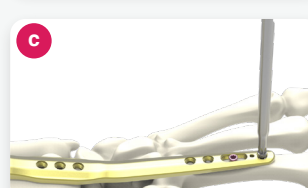
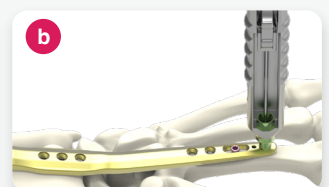
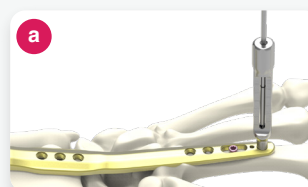


3. Radius fixation

Make sure that the plate is well aligned to the radius and to the metacarpal. Connect the blue non threaded monoaxial drill guide for Ø3.5 mm screws (ANC1336) into the distal part of the Ø3.5 mm oblong locking hole of the plate and drill using the Ø2.7 mm drill bit (ANC1324) (a).

Determine the screw length using the length gauge (ANC1326) (b). Insert a Ø3.5 mm locking screw (SAT3.5Lxx) with the screwdriver (ANC1027) (c). The final tightening of the screw must be performed by hand.

Remove the Ø1.4 mm pin (33.0214.120).



4. Metacarpal screw insertion

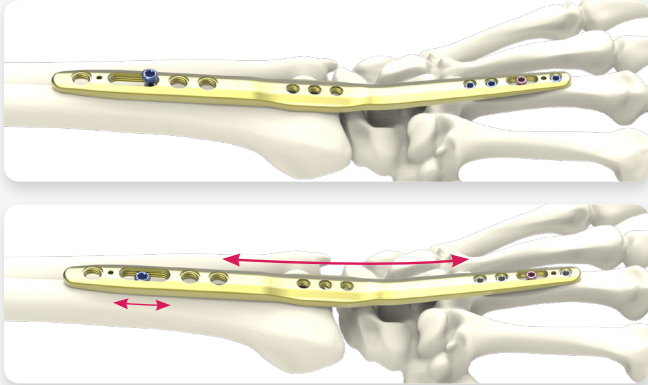
Connect the locking drill guide (ANC694) to one of the distal locking holes of the plate and drill using the Ø1.8 mm drill bit (ANC696) (a).

The screw length can be determined directly on the guide gauge (ANC694) (a) or using the length gauge (ANC102) (b). Insert a Ø2.4 mm locking screw (SDT2.4Lxx) with the screwdriver (ANC575) (c). The final tightening of the screw must be performed by hand.

Repeat this step for the remaining distal locking screws.

SURGICAL TECHNIQUE

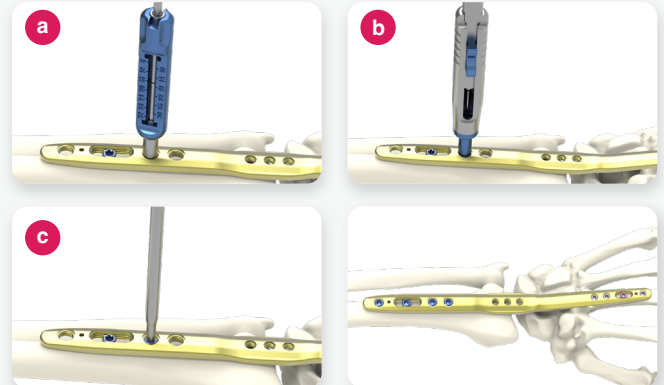
SPANNING PLATES (PAGE 2/2)



5. Wrist distraction

Slightly loosen the proximal locking screw in the oblong hole. In a neutral rotation, apply a longitudinal traction. The effect of the ligamentotaxis will help to reduce the fracture.

Finalize by tightening the locking screw in the proximal oblong hole to maintain the distraction. The final tightening of the screw must be performed by hand.



6. Radius screw insertion

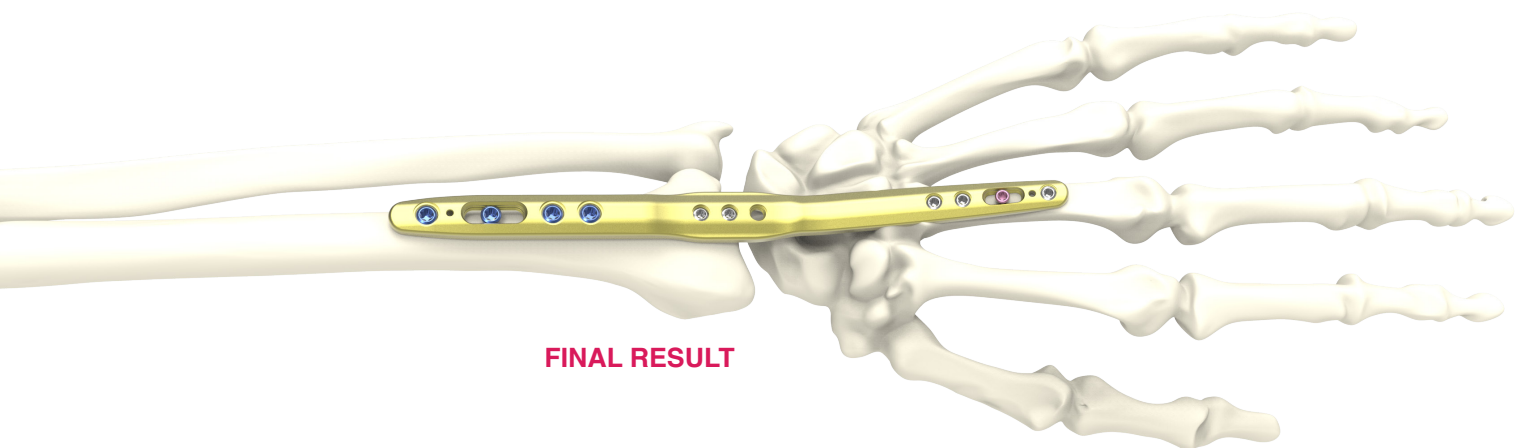
Connect the locking drill guide gauge (ANC1322) into one of the proximal locking holes of the plate and drill using the Ø2.7 mm drill bit (ANC1324) (a).

The screw length can be determined directly on the guide gauge (ANC1322) (a) or using the length gauge (ANC1326) (b). Insert a Ø3.5 mm locking screw (SAT3.5Lxx) using the screwdriver (ANC1027) (c). The final tightening of the screw must be performed by hand.

Repeat this step for the remaining proximal locking screws.

7. Middle support screw insertion (optional)

Depending on the fracture pattern and the surgeons preference, locking screws (SDT2.4Lxx) can be inserted into the middle support. The final tightening of the screw must be performed by hand.



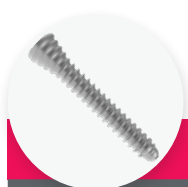
CAUTION

Post operative protocol must be done at the discretion of the surgeon.
The patient may be placed in a wrist splint.
Plate removal post-healing is mandatory.

IMPLANT REFERENCES

SPANNING PLATES

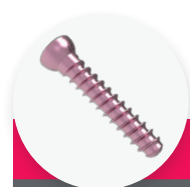
Ref.	Description
DMTSD1	Wrist spanning plate – Flat - Symmetrical - Size 1
DMTSDA1	Wrist spanning plate – Angulated - Symmetrical - Size 1
DMTSD2	Wrist spanning plate – Flat - Symmetrical - Size 2
DMTSDA2	Wrist spanning plate – Angulated - Symmetrical - Size 2



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

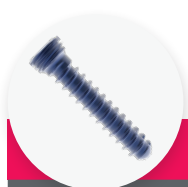
* Non anodized



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

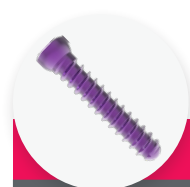
* Pink anodized



Ø3.5 MM LOCKING SCREWS*

Ref.	Description
SAT3.5L10	Ø3.5 mm - Locking screw - L10 mm
SAT3.5L12	Ø3.5 mm - Locking screw - L12 mm
SAT3.5L14	Ø3.5 mm - Locking screw - L14 mm
SAT3.5L16	Ø3.5 mm - Locking screw - L16 mm
SAT3.5L18	Ø3.5 mm - Locking screw - L18 mm

* Blue anodized



Ø3.5 MM NON-LOCKING SCREWS*

Ref.	Description
CAT3.5L10D	Ø3.5 mm non-locking screw - L10 mm
CAT3.5L12D	Ø3.5 mm non-locking screw - L12 mm
CAT3.5L14D	Ø3.5 mm non-locking screw - L14 mm
CAT3.5L16D	Ø3.5 mm non-locking screw - L16 mm
CAT3.5L18D	Ø3.5 mm non-locking screw - L18 mm

* Fuschia anodized

Remark:

Please note that all implants are also available in a sterile version.
An "-ST" is added to the end of the reference.

Ex: "DMTSD1-ST"

INSTRUMENT REFERENCES



INSTRUMENTS		
Ref.	Description	Qty
ANC102	Length gauge	1
ANC350	Ø4.5 mm AO quick coupling handle - Size 1	2
ANC575	T8 quick coupling screwdriver	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
ANC1027	T15 AO quick coupling prehensor screwdriver	2
ANC1157	Non threaded polyaxial drill guide - SDT2.4 hole	1
ANC1322	Ø2.7 mm threaded guide gauge for Ø3.5 mm screws	2
ANC1324	Ø2.7 mm quick coupling drill bit - L125 mm	2
ANC1326	Length gauge for Ø3.5 mm screws - L08 - 34 mm	1
ANC1336	Non threaded monoaxial drill guide	1
33.0214.120	Pin Ø1.4 L120 mm	4
ANC1235/C	Xpert Wrist 2.4 set - Top	1
ANC1434/B1	1 level - Size 1 - Base	1
ANC1235/M9	Xpert Wrist 2.4 set - Module 9 - General instrumentation	1
ANC1364/M1	Xpert Wrist - Spanning plates set - Module 1 - Instrumentation for Ø3.5 mm screws	1
ANC1364/M2	Xpert Wrist - Spanning plates set - Module 2 - Plates	1
ANC1364/R1	Xpert Wrist - Spanning plates set - Screw rack	1

FOR Ø2.4 MM SCREWS

ANC694 Ø1.8 mm threaded guide gauge for Ø2.4 mm screws (x2)

ANC350 Ø4.5 mm AO quick coupling handle - Size 1

ANC696 Ø1.8 mm quick coupling drill bit - L125 mm (x2)

ANC1157 Non threaded polyaxial drill guide - SDT2.4 hole

33.0214.120 Pin Ø1.4 L120 mm (x4)

ANC575 T8 quick coupling screwdriver (x2)

ANC102 Length gauge for Ø2.8 mm screws

FOR Ø3.5 MM SCREWS

ANC1322 Ø2.7 mm threaded guide gauge (x2)

ANC1336 Non threaded monoaxial drill guide

ANC1324 Ø2.7 mm quick coupling drill bit (x2)

ANC1027 T15 AO quick coupling prehensor screwdriver (x2)

ANC350 Ø4.5 mm AO quick coupling handle - Size 1

ANC1326 Length gauge for Ø3.5 mm screws

DMTSD2 Wrist spanning plate - Flat - Size 2 - Symmetrical

DMTSD1 Wrist spanning plate - Flat - Size 1 - Symmetrical

DMTSDA1 Wrist spanning plate - Angulated - Size 1 - Symmetrical

DMTSDA2 Wrist spanning plate - Angulated - Size 2 - Symmetrical

CAT3.5LxxD Ø3.5 mm non-locking screw - L10 to 18 mm (2 mm incrementation)

SAT3.5Lxx Ø3.5 mm - Locking screw - L10 to 18 mm (2mm incrementation)

SDT2.4Lxx Ø2.4 mm locking screw - L08 to 22 mm (2mm incrementation)

CT2.4Lxx Ø2.4 mm non-locking screw - L08 to 22 mm (2mm incrementation)



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