ALIANS ELBOW S.

DISTAL HUMERUS
& PROXIMAL
ULNA PLATES

ALIANS ELBOW S

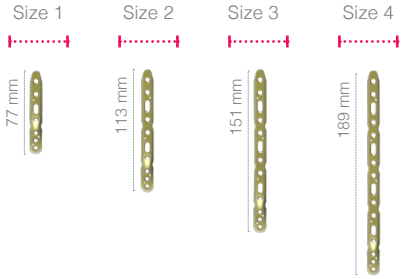
Intended purpose: The implants of the Alians Elbow S range are dedicated to the fixation of fractures and osteotomies of the distal humerus and proximal ulna in adults.

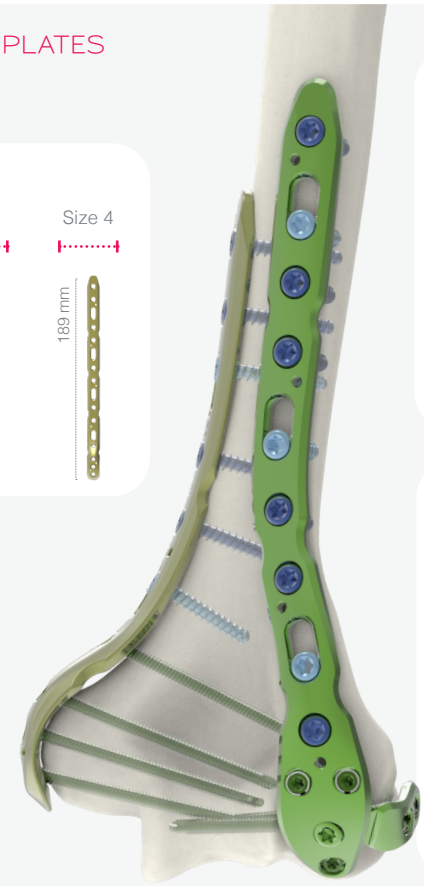
Contraindications:
- Pregnancy.
- Acute or chronic local or systemic infections.
- Allergy to one of the materials used or sensitivity to foreign bodies.

A COMPREHENSIVE RANGE OF PLATES

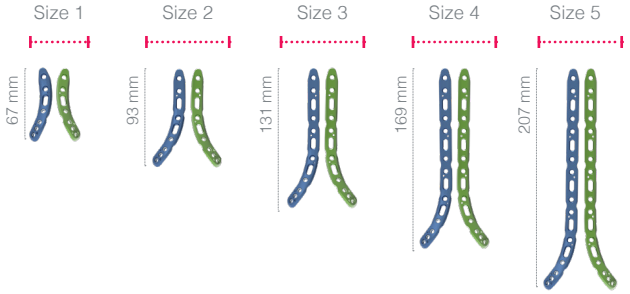
→ DISTAL HUMERUS PLATES

Medial plates

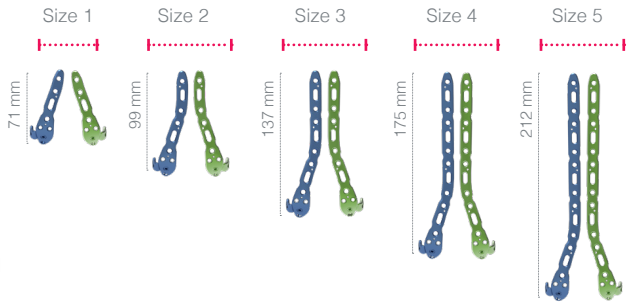




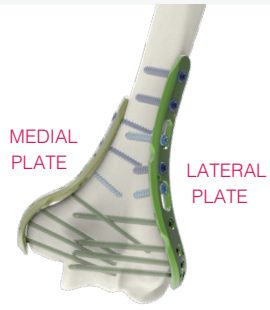
Lateral plates



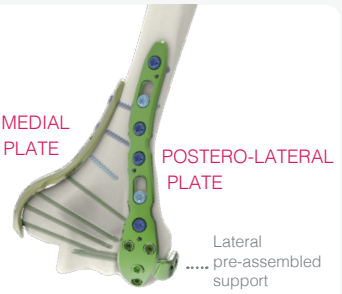
Postero-lateral plates



PARALLEL CONSTRUCT

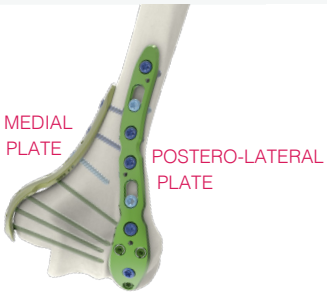


PERPENDICULAR CONSTRUCTS



FIXATION WITH LATERAL SUPPORT

In the case of a perpendicular construct, the lateral support enables the insertion of 2 additional polyaxial screws through the articular block.
The construct is stabilized by these two screws running from the lateral column to the medial column.



FIXATION WITHOUT LATERAL SUPPORT

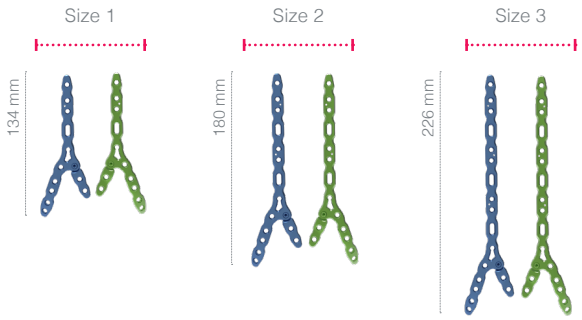
Distal humerus postero-lateral plates can be fitted to several types of fractures. It is possible to remove the support in the case of isolated fractures of the capitellum or on very small humerus. In this case, a Ø3.5 mm locking screw can be inserted into the freed hole.

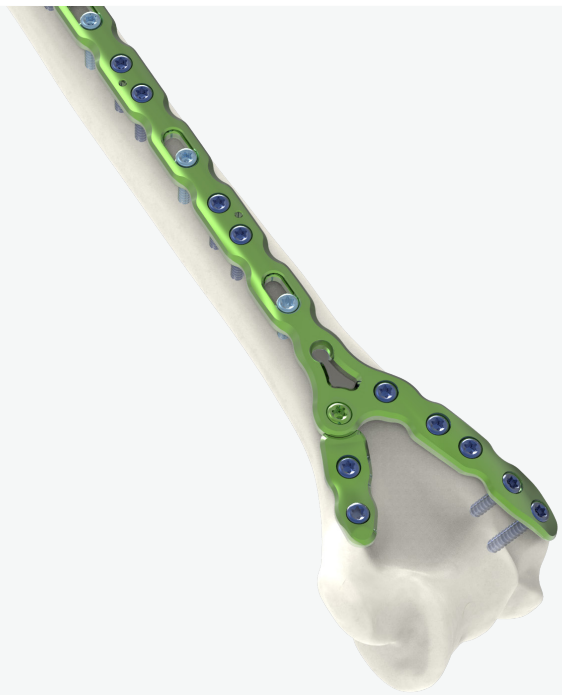
ALIANS ELBOW S

A COMPREHENSIVE RANGE OF PLATES

→ DISTAL HUMERUS: Y PLATES

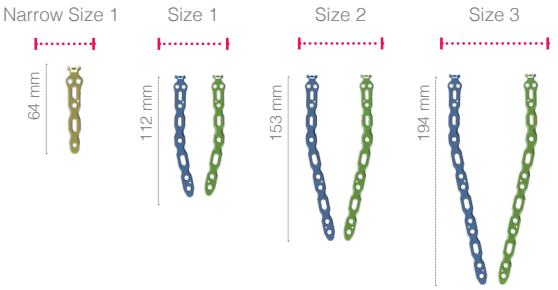
Y plates



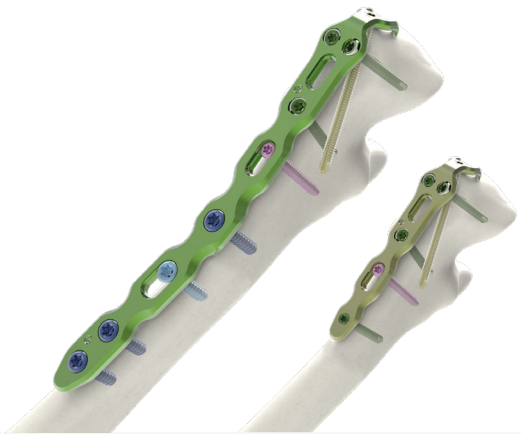


→ OLECRANON PLATES

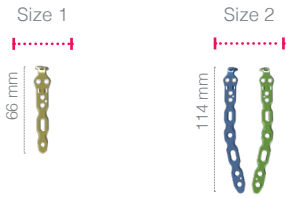
Standard plates



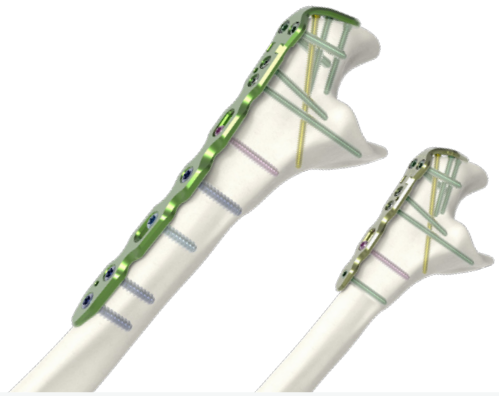
- Olecranon fractures
- Extra-articular fractures of the proximal ulna
- Osteotomies of the proximal ulna (following pseudarthrosis or vicious callus)



Complex fractures plates



- Complex and comminuted fractures of the proximal olecranon
- Extra-articular fractures of the proximal ulna
- Osteotomies of the proximal ulna (following pseudarthrosis or vicious callus)

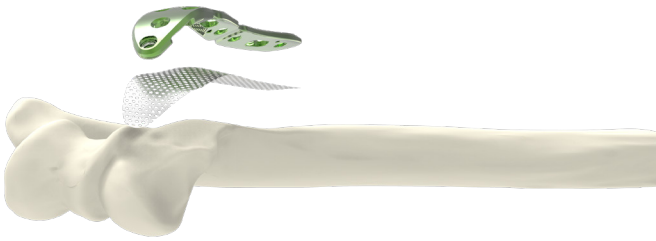


TECHNICAL FEATURES

PRECONTOURED IMPLANTS

→ OPTIMIZED ANATOMICAL CONGRUENCE

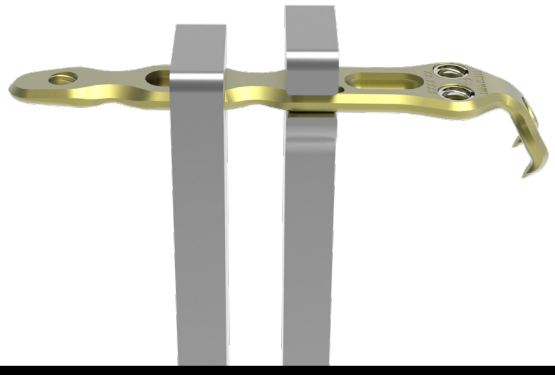
Resulting from an original design technique based on bone surface modeling, this generation of implants benefits from optimized anatomical congruence between the plate and the bone.



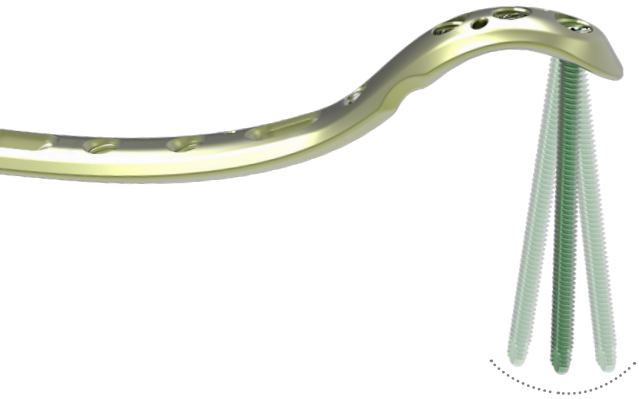
→ BENDABLE PLATE

Some plates from the Alians Elbow S range (distal humerus and olecranon plates) offer bending areas. In certain cases, it is possible to bend the plate using the bending irons (ANC650) following the instructions below:

- Bending is only possible in the areas intended for this purpose.
- A bendable area can be bent only once and in one direction.
- Bending should not be performed excessively.
- There is a risk of distortion of the holes when bending the plate. Thus, the holes must be protected to avoid damaging the fixation system.



POLYAXIAL LOCKING FIXATION



Polyaxiality of 20°

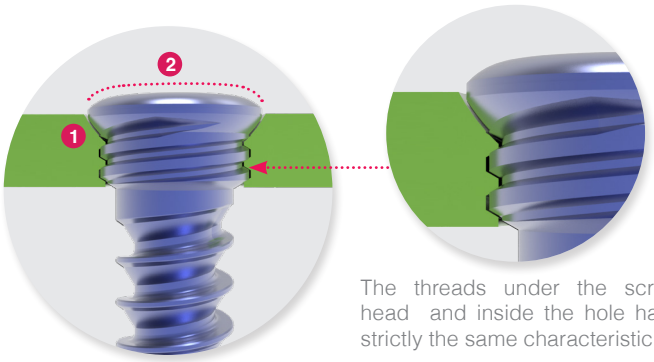
Polyaxial locking fixation gives the surgeon the ability to reach bone fragments in different directions. It also allows to avoid conflicts between screws from another plate.

The DTS3 technology ensures the locking of the screw into the plate while allowing its angulation. This system facilitates the insertion of screws in diverging or converging directions, improving the stability of the assembly.

Dualtec System® III Technology
Polyaxial locking fixation

MONOAXIAL LOCKING SYSTEM

- The screw head is stopped in the hole, ensuring its locking (1).
- The screw head is buried in the plate (2).
- Plate and screw made from the same material: titanium alloy.
- Non locking screws (CT2.8LxxD or CT3.5LxxD) 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.

TECHNICAL FEATURES

DISTAL HUMERUS : MEDIAL, LATERAL AND POSTERO-LATERAL PLATES

MEDIAL PLATES

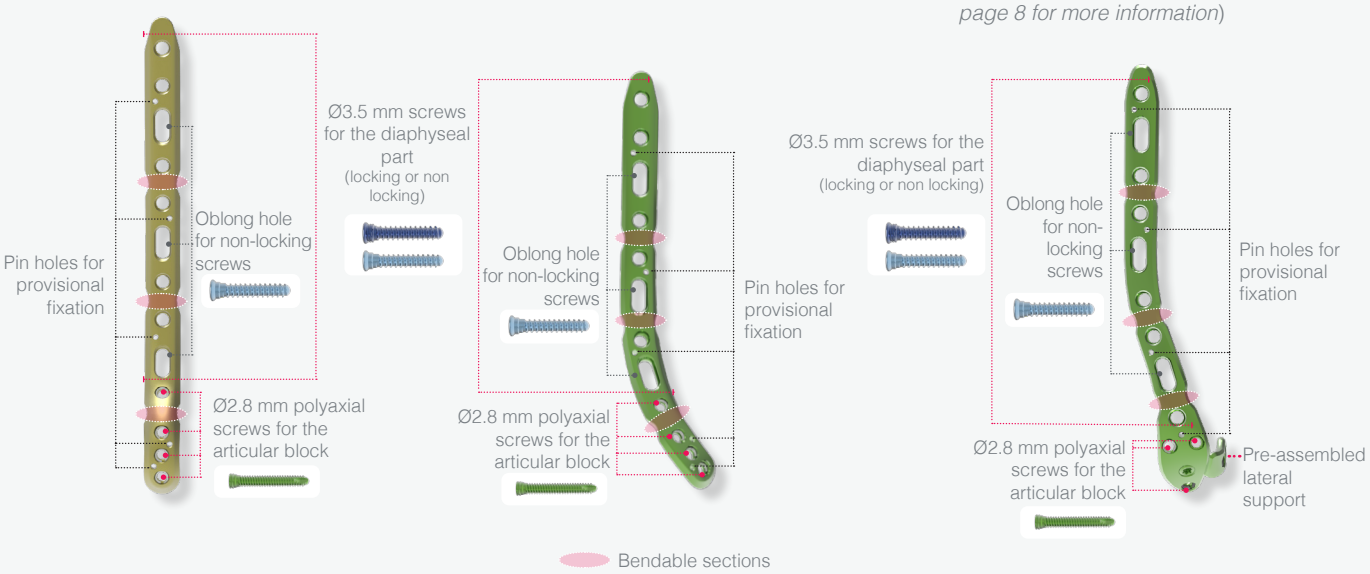
- Medial column
- Medial position
- Medio-lateral direction of the distal screws

LATERAL PLATES

- Lateral column
- Lateral position
- Latero-medial direction of the distal screws

POSTERO-LATERAL PLATES

- Lateral column
- Dorsal position
- Postero-anterior and latero-medial direction of the distal screws
- Lateral pre-assembled support (*see page 8 for more information*)



Rounded shape and smooth edges

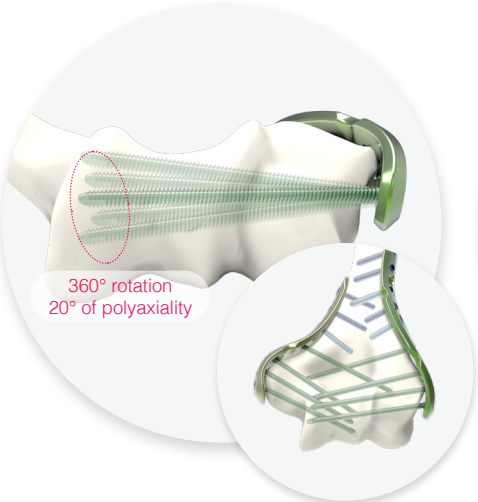
→ POLYAXIAL FIXATION: TWO-PLATE CONSTRUCT

Locking polyaxial fixation:

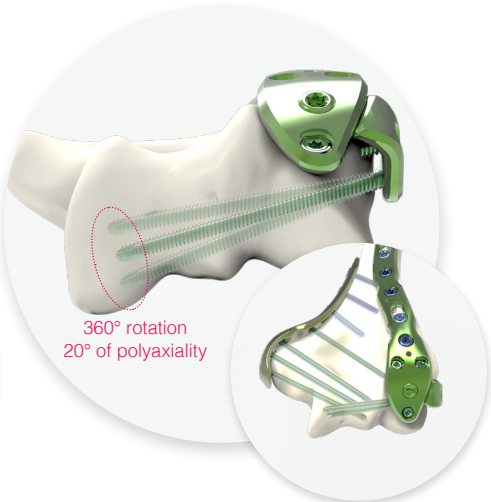
- Allows the surgeon to reach all fragments of the articular block using long screws.
- Avoids conflicts between screws in the articular block.

MEDIAL PLATE

LATERAL PLATE

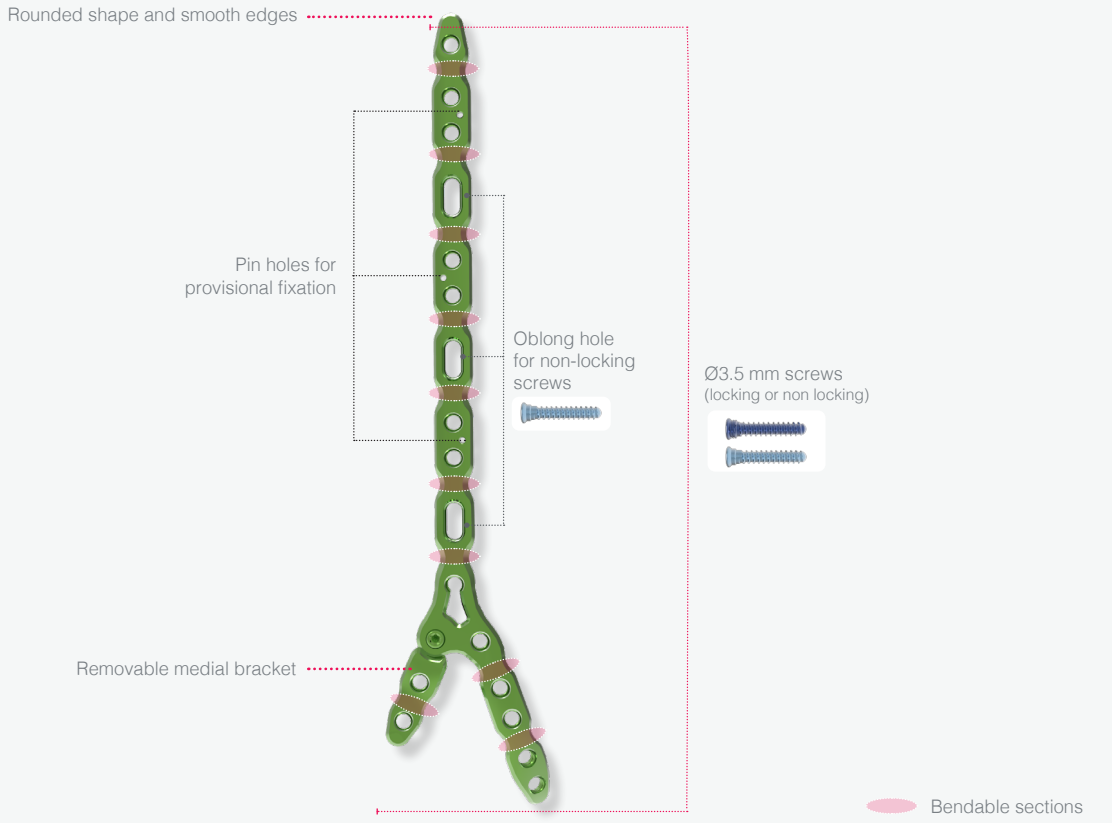


POSTERO-LATERAL PLATE



TECHNICAL FEATURES

DISTAL HUMERUS: Y PLATE

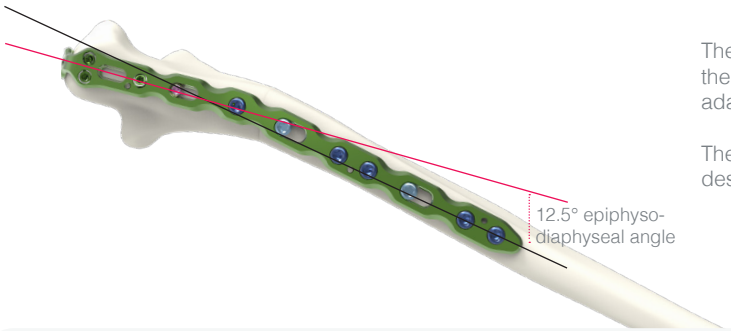


- Plate designed for extra-articular fractures.
- The Y shape allows both medial and lateral columns to be supported by only one plate.
- Single diameter 3.5 mm for all screws.
- Removable medial bracket to adapt to different fractures patterns and patient anatomy (*see page 8 for more information).*

TECHNICAL FEATURES

OLECRANON PLATES

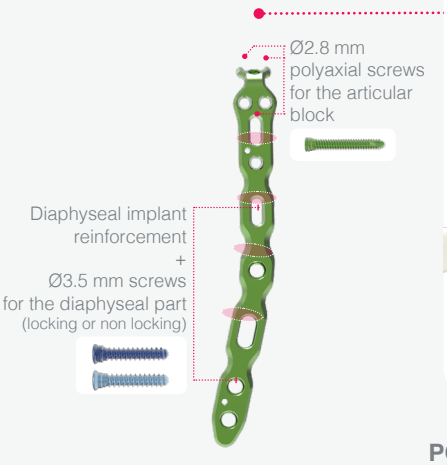
→ PRECONTOURED IMPLANTS



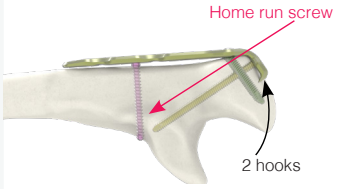
The olecranon plates of the Alians Elbow S range have been designed on the basis of osteological studies of the olecranon. The design of the plate adapts to the olecranon epiphysio-diaphyseal curve.

The anatomical design of the plate and the buried screw heads are designed in the intention of limiting soft tissue irritation.

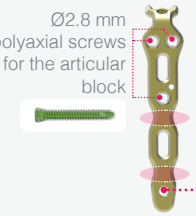
STANDARD PLATES



"Home run" screw oriented towards the base of the coronoid and crossing the fracture site to improve stability or create compression

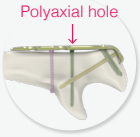


NARROW PLATE



POLYAXIAL LOCKING FIXATION

2 olecranon screws:
The screws are directed towards the tip of the olecranon.



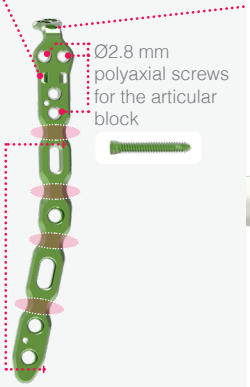
Coronoid screw:
The coronoid screw allows the stabilization of the coronoid.

Bendable sections

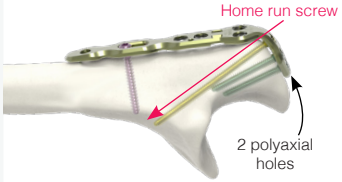
→ POLYAXIAL LOCKING FIXATION

COMPLEX FRACTURE PLATES

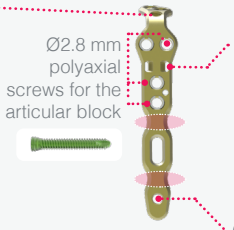
The suture holes are compatible with Ø1.2 mm needles for proximal olecranon plates. We recommend the use of sutures #1 USP (4 Ph. Eur.).



"Home run" screw oriented towards the base of the coronoid and crossing the fracture site to improve stability or create compression



Addition of 2 polyaxial holes Ø2.8 mm to reach extra-proximal fragments for locking screw TDT2.8LxxD or non-locking screw RDT2.8LxxD.



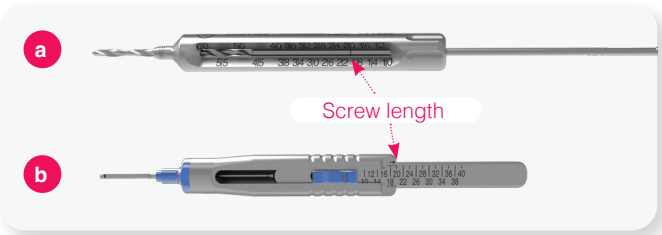
Bendable sections

INSTRUMENTATION

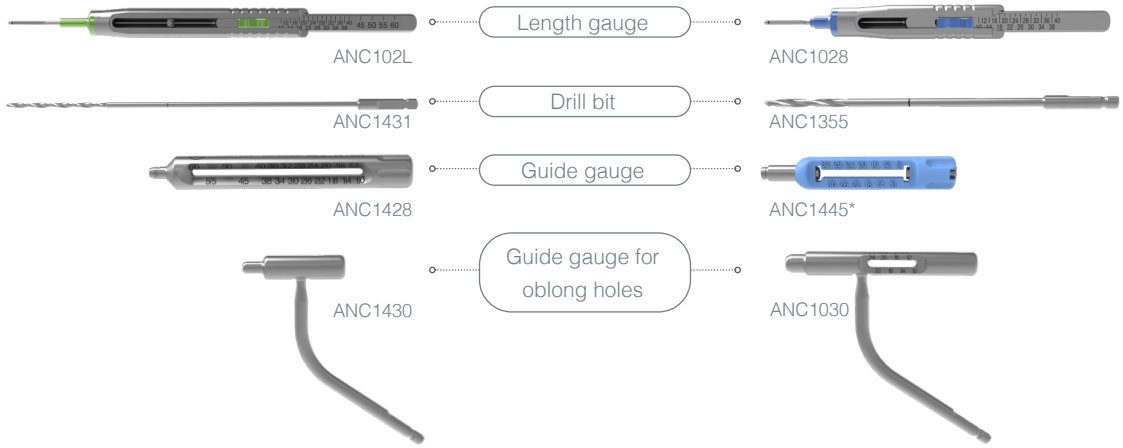
MEASURING SCREW LENGTHS

For all the holes of the Alians Elbow S range, the measurement of a screw length can be obtained in the following 2 ways:

- During drilling, by reading the length directly on the guide gauge using the laser marking on the drill bit (a)
- Using the appropriate length gauge after drilling (b)



For Ø2.8 mm screws — **For Ø3.5 mm screws**



* For Ø3.5 mm screws longer than 32 mm, it is necessary to use the length gauge (ANC1028)

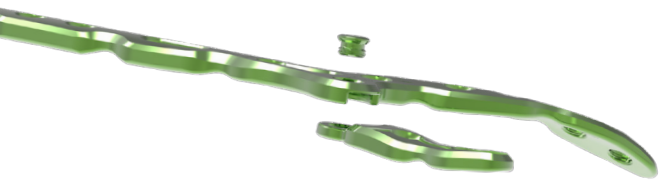
DRILLING GUIDES

For all the Ø2.8 locking holes of the Alians Elbow S range, the drilling can be performed using two different drill guides:

- ANC1428 - Ø2.0 mm long threaded guide gauge : screw length can be read directly during drilling (c)
- ANC1429 - Ø2.0 mm threaded drill guide : screw length must be measured with the length gauge (ANC102L) (d)

REMOVABLE SUPPORTS

The Alians Elbow S range offers plates with removable supports. Depending on the indications and the anatomy of the patient, these brackets can be removed with the T15 screwdriver (ANC1027) (e).



Y PLATE:
The Y plate offers a removable medial support allowing to support the medial column of the distal humerus.

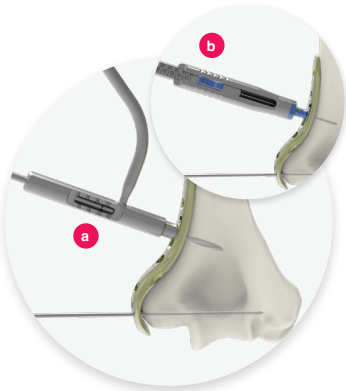
POSTERO-LATERAL PLATE
The postero-lateral plate offers a removable lateral support, allowing the insertion of 2 additional polyaxial long screws in the articular block. These two screws extend from the lateral column to the medial column of the distal humerus.

DISTAL HUMERUS – 2-PLATE CONSTRUCT : MEDIAL PLATE

Example of a surgical technique using a medial plate size 1 (NTSM1D).
This technique is applicable for both perpendicular and parallel constructs. The finalization of the fixation of the medial plate occurs after the fixation of the second plate.

1. After reduction of the distal humerus, position the plate on the medial part of the bone. The plate can be provisionally fixed using Ø1.6 mm pins (33.0216.210).

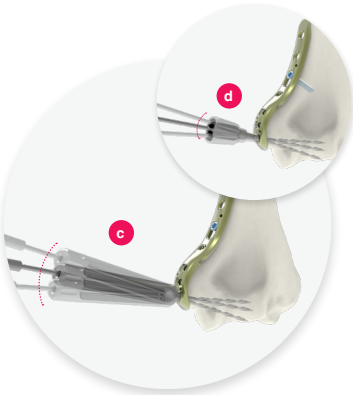
2. In one of the oblong holes, perform the drilling using the non threaded bent guide gauge (ANC1030) and the Ø2.7 mm drill bit (ANC1355).



3. Measure the screw length directly on the guide gauge (ANC1030) (a) or with the length gauge (ANC1028) (b).

4. Insert a Ø3.5 mm locking screw (CT3.5LxxD) using the T15 screwdriver (ANC1027).

   Repeat the steps 2 to 4 for the remaining oblong holes.



5. The distal holes of the plates allow for polyaxial fixation of the screws.

   Insert the Ø2.0 mm threaded long guide gauge (ANC1428) into one of the distal holes. If needed, angulate as required and perform the drilling using the Ø2.0 mm drill bit (ANC1431) (c).

   Option: a shorter threaded drill guide (ANC1429) can be used to guide the drill bit (d).

   Repeat these steps for all the remaining distal screws.

6. Measure the screw length directly on the guide gauge (ANC1428) (c) or with the length gauge (ANC102L) (e).

   Option: if the shorter drill guide (ANC1429) was used, the use of the length gauge is mandatory to measure the screw length.

7. Insert a Ø2.8 mm locking screw (TDT2.8LxxD) using the T8 screwdriver (ANC575).

   Repeat these steps for the remaining distal holes.

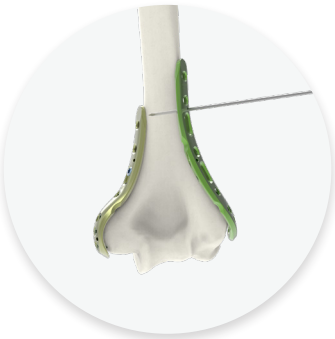
TO FINALIZE THE CONSTRUCT

with a lateral plate for a parallel construct *refer to page 10*

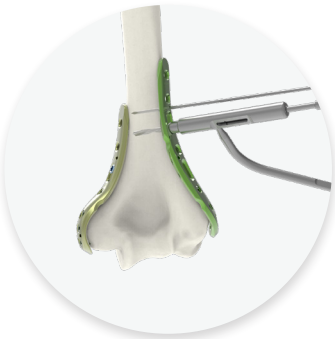
with a postero-lateral plate for a perpendicular construct *refer to page 11*

DISTAL HUMERUS – PARALLEL CONSTRUCT: LATERAL PLATE

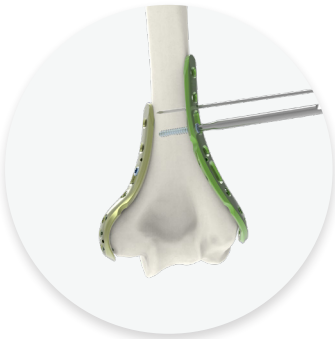
Example of a surgical technique using a medial plate size 1 (NTSM1D) and a lateral plate size 2 (NTDL2D) for a parallel construct.
This technique is applicable for all medial and lateral plates.



8. Position the lateral plate on the lateral part of the bone. The plate can be provisionally fixed using Ø1.6 mm pins (33.0216.210).



9. In one of the oblong holes, perform the drilling using the threaded bent guide gauge (ANC1030) and the Ø2.7 mm drill bit (ANC1355).



10. Measure the screw length (*see details on page 9 step 3*).

    Insert a Ø3.5 mm non locking screw (CT3.5LxxD) using the T15 screwdriver (ANC1027).

    Repeat the steps 9 and 10 for the remaining oblong holes.

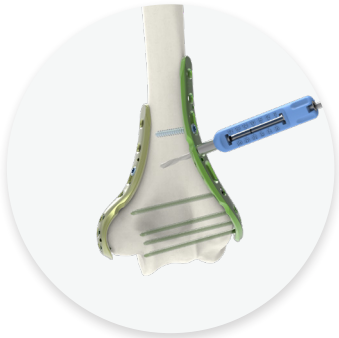
11. The distal holes of the plates allow for polyaxial fixation of the screws

    Insert the Ø2.0 mm threaded guide gauge (*see details on page 9 step 5*) into one of the distal holes. If needed, angulate as required and perform the drilling using the Ø2.0 mm drill bit (ANC1431).

12. Measure the screw length (see details on *page 9 step 6*).

    Insert a Ø2.8 mm locking screw (TDT2.8LxxD) using the T8 screwdriver (ANC575).

    Repeat these steps for all the remaining distal holes.



13. In the first diaphyseal locking hole, perform the drilling using the threaded guide gauge (ANC1445) and the Ø2.7 mm drill bit (ANC1355).

14. Measure the screw length (see details on page *9 step 3*).

    Insert a Ø3.5 mm locking screw (SOT3.5LxxD) using the T15 screwdriver (ANC1027).

FINAL RESULT

Following the steps 13 and 14, finalize the procedure by inserting the remaining Ø3.5 mm locking screws (SOT3.5LxxD) into the diaphyseal part of the medial and lateral plates, going distally to proximally.

DISTAL HUMERUS – PERPENDICULAR CONSTRUCT: POSTERO-LATERAL PLATE

Example of a surgical technique using a medial plate size 1 (NTSM1D) and a postero-lateral plate size 2 (NTDQ2D) for a perpendicular construct.
This technique is applicable for all medial and postero-lateral plates.

8. Position the posterolateral plate on the posterior part of the bone. The plate can be provisionally fixed using Ø1.6 mm pins (33.0216.210).

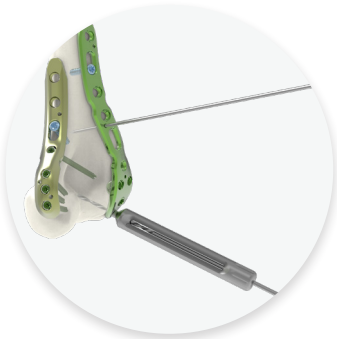
   Option: In cases for which the lateral support is not required, this part of the plate can be removed using the T15 screwdriver (ANC1027) (a). If so, a Ø3.5 mm locking screw can be inserted in the free locking hole.

9. In one of the oblong hole, perform the drilling using the non threaded bent guide gauge (ANC1030) and the Ø2.7 mm drill bit (ANC1355).

10. Measure the screw length (*see details on page 9*).

    Insert a Ø3.5 mm non locking screw (CT3.5LxxD) using the T15 screwdriver (ANC1027).

    Repeat the steps 9 et 10 for the remaining oblong holes.



11. The distal holes of the plate allow for polyaxial fixation of the screws.

    Insert Ø2.0 mm threaded guide gauge (*see details on page 9 step 5*) into one of the distal holes. If needed, angulate as required and perform the drilling using the Ø2.0 mm drill bit (ANC1431).

12. Measure the screw length (see details *on page 9 step 6*).

    Insert a Ø2.8 mm locking screw (TDT2.8LxxD) using the T8 screwdriver (ANC575).

    Repeat these steps for the remaining distal locking holes.

13. In the first diaphyseal locking hole, perform the drilling using the threaded guide gauge (ANC1445) and the Ø2.7 mm drill bit (ANC1355).

14. Measure the screw length (*see details on page 9 step 3*).

    Insert a Ø3.5 mm locking screw (SOT3.5LxxD) using a T15 screwdriver (ANC1027).

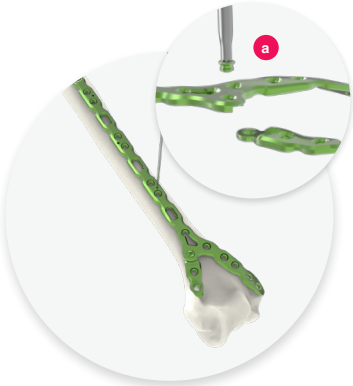
    Option: If the lateral support has been removed, repeat the steps 13 and 14 for the free distal hole.

FINAL RESULT

Following the steps 13 and 14, finalize the procedure by inserting the remaining Ø3.5 mm locking screws (SOT3.5LxxD) into the diaphyseal part of the medial and postero-lateral plates, going distally to proximally.

DISTAL HUMERUS - Y PLATE

Example of a surgical technique using a Y plate size 3 (NTDY3D).
This technique is applicable for all the Y plates.



1. Position the Y plate on the posterior part of the bone. The plate can be provisionally fixed using Ø1.6 mm pins (33.0216.210).

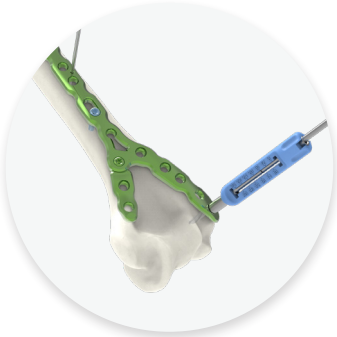
   Option: In cases for which the lateral support is not required, this part of the plate can be removed using the T15 screwdriver (ANC1027) (a). If so, a Ø3.5 mm locking screw can be inserted into the free locking hole.

2. In a oblong hole, perform the drilling using the non threaded bent guide gauge (ANC1030) and the Ø2.7 mm drill bit (ANC1355).

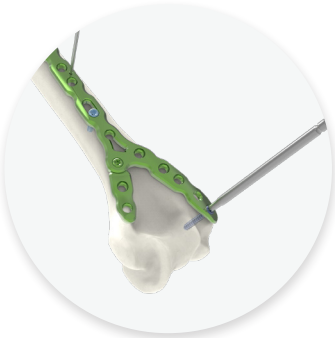
3. Measure the screw length (see details on page *9 step 3).*

   Insert a Ø3.5 mm non locking screw (CT3.5LxxD) using the T15 screwdriver (ANC1027).

   Repeat the steps 2 and 3 for the remaining oblong holes.



4. In the most distal locking hole of the lateral column, perform the drilling using the threaded guide gauge (ANC1445) and the Ø2.7 mm drill bit (ANC1355).

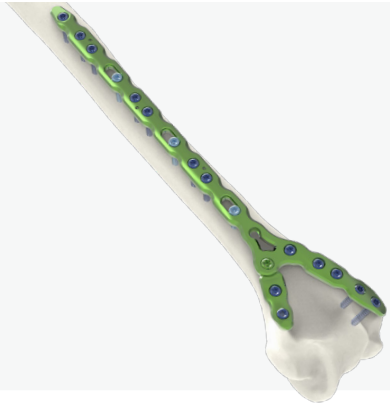


5. Measure the screw length (see details on page *9 step 3).*

   Insert a Ø3.5 mm locking screw (SOT3.5LxxD) using a T15 screwdriver (ANC1027).

6. Proceed similarly for the most distal screw of the medial column.

   Option: If the lateral support has been removed, repeat steps 4 and 5 for the free locking hole.



FINAL RESULT

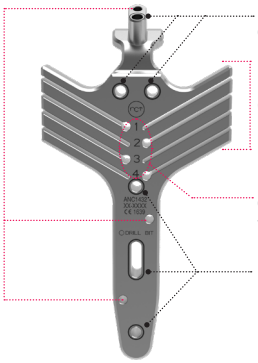
Following the steps 4 and 5, finalize the procedure by inserting the remaining Ø3.5 mm locking screws (SOT3.5LxxD), starting with the screws closest to the fracture line and continue outwards.

OLECRANON - OLECRANON OSTEOTOMY GUIDE

→ SPECIFIC CUTTING GUIDE FOR OLECRANOTOMY

The olecranon cutting guide (ANC1432) is used to make the cuts **required for an olecranotomy approach**.

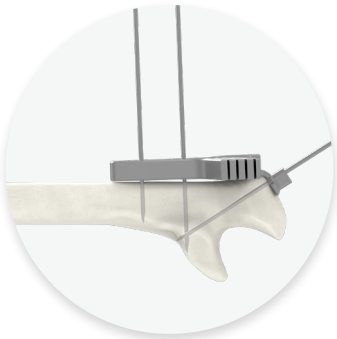
The olecranon cutting guide allows the adjustment of the chevron cut in 4 positions. It also allows the olecranon to be pre-drilled for subsequent anatomical reduction using the narrow plate (HTSPN1D).



**Drill holes for fixing the screws are marked with a black outline: DRILL BIT*

***Blade dimensions: 10mm wide and 0.5 +/- 0.05 thick*

→ SURGICAL TECHNIQUE



1. Fix the cutting guide.

2. Cutting stage: the choice of the cutting height can be adjusted using the different slots in the guide.

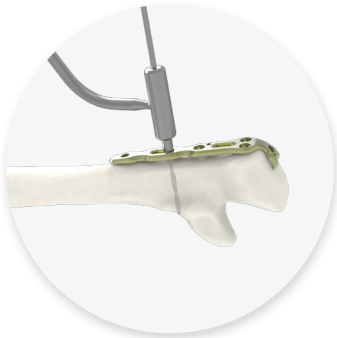
3. Position the plate (HTSPN1D) according to the pre-drilled holes.

FINAL RESULT

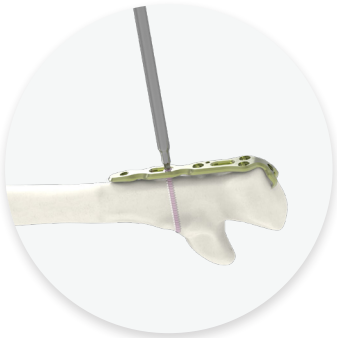
OLECRANON – NARROW PLATE

Example of a surgical technique using a narrow olecranon plate (HTSPN1D).
This technique is applicable to all standard plate sizes and complex proximal olecranon fractures.

1. Position the plate on the olecranon process. The plate can be temporarily fixed using Ø1.6 mm pins (33.0216.210).



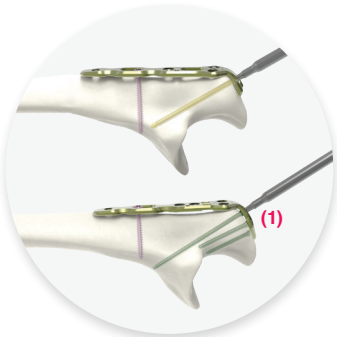
2. In the most distal Ø2.8 mm oblong hole, drill using the bent unthreaded guide gauge (ANC1430) and the Ø2.0 mm drill bit (ANC1431).



3. Measure the screw length with the length gauge (ANC102L) (*see details on page 9 step 6*).

   Insert a Ø2.8 mm non locking screw (CT2.8LxxD) using the T8 screwdriver (ANC575).

4. **"Home run" screw**
   Insert the Ø2.0 mm threaded guide gauge (see details page 9) into the monoaxial hole. Perform the drilling with the Ø2.0 mm drill bit (ANC1431).



5. Measure the screw length (*see details on page 9*).

   Insert a Ø2.8 mm non locking screw (RDT2.8LxxD) into the base of the coronoid process using the T8 screwdriver (ANC575) to apply compression.

   If compression is not required, a Ø2.8 mm locking screw (TDT2.8LxxD) can be inserted instead.

   (1) Example of screws positioning with an HTSEPS1D olecranon plate for the complex fractures.

6. The two distal polyaxial holes allow to target the tip of the olecranon.

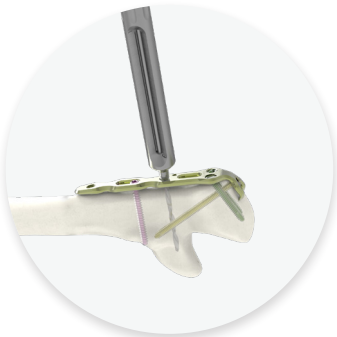
   Insert the Ø2.0 mm threaded guide gauge (see details on page 9) in one of the most proximal polyaxial holes and perform the drilling using the Ø2.0 mm drill bit (ANC1431).

   To avoid conflict with the "Home run" screw, angulate the drilling in a divergent way.

7. Measure the screw length (*see details on page 9* step 6).

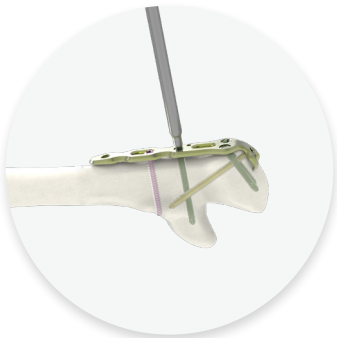
   Insert a Ø2.8 mm locking screw (TDT2.8LxxD) using the T8 screwdriver (ANC575).

   Repeat the step 6 for the second polyaxial screw.



8. **Coronoid screw**
   Insert the Ø2.0 mm threaded guide gauge (ANC1428) (*see details on page 9 step 5*) in one of the polyaxial holes. If necessary, orientate the guide in order to both target the coronoid tip and avoid any conflict with the "home run" screw.

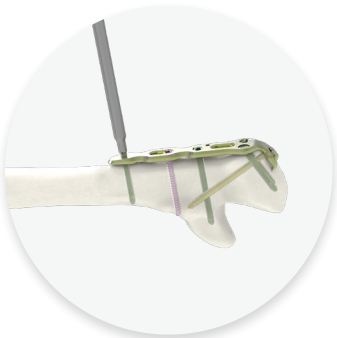
   Perform the drilling using a Ø2.0 mm drill bit (ANC1431).



9. Measure the screw length (*see details on page 9* step 6).

   Insert a Ø2.8 mm locking screw (TDT2.8LxxD) using the T8 screwdriver (ANC575).

10. Insert the Ø2.0 mm threaded guide gauge (*see details page 9 step 5*) in the remaining monoaxial distal hole and perform the drilling using the Ø2.0 mm drill bit (ANC1431).



11. Measure the screw length (*see details on page 9* step 6)

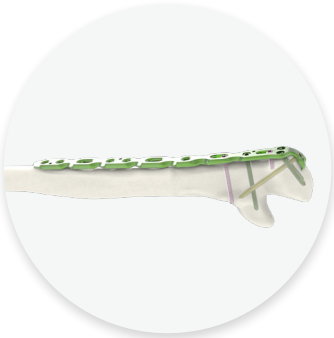
    Insert a Ø2.8 mm locking screw (TDT2.8LxxD) using a T8 screwdriver (ANC575).

FINAL RESULT

If the fracture line allows, finalize the construct by inserting an non locking screw (CT2.8LxxD) into the most proximal oblong hole (following the technique in steps 2 and 3).

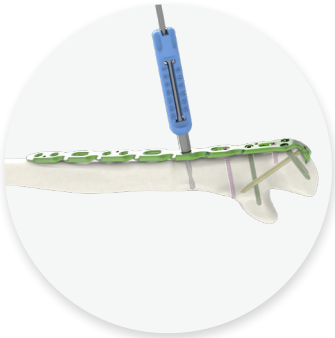
OLECRANON – STANDARD PLATE

Example of a surgical technique using a standard olecranon plate size 3 (HTDPS3D).

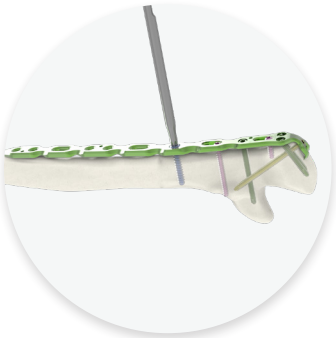


12. The surgical technique for standard olecranon plates is strictly identical to the one for narrow plates for the proximal part.

    For the distal part, Ø3.5 mm screw must be used.



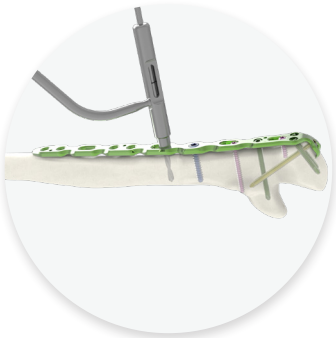
13. In the most proximal Ø3.5 mm locking hole, perform the drilling using threaded guide gauge (ANC1445) and the Ø2.7 mm drill bit (ANC1355).



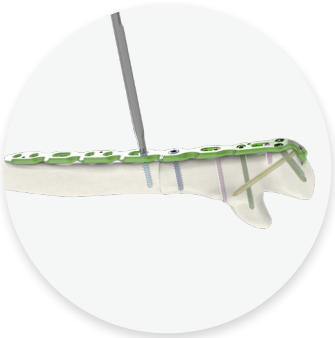
14. Measure the screw length (*see details on page 9* step 3).

    Insert a Ø3.5 mm locking screw (SOT3.5LxxD) using the T15 screwdriver (ANC1027).

    Repeat the steps 13 and 14 for the remaining locking holes.



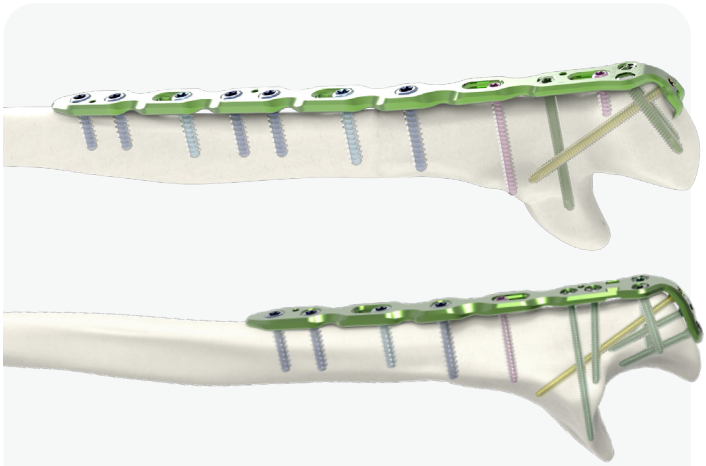
15. In the proximal Ø3.5 mm oblong hole, perform the drilling using the non threaded bent guide gauge (ANC1030) and the Ø2.7 mm drill bit (ANC1355).



16. Measure the screw length (*see details on page 9* step 3).

    Insert a Ø3.5 mm non locking screw (CT3.5LxxD) using the T15 screwdriver (ANC1027).

    Repeat the steps 15 et 16 for the remaining oblong holes.



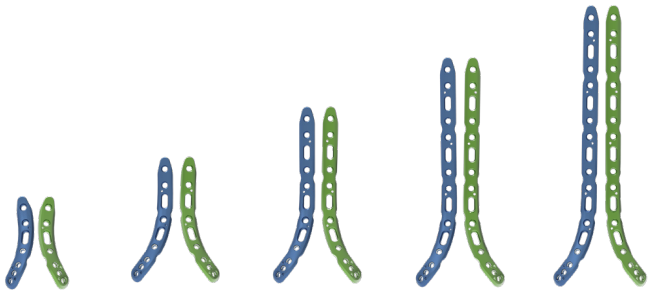
FINAL RESULT

IMPLANT REFERENCES

→ DISTAL HUMERUS PLATES

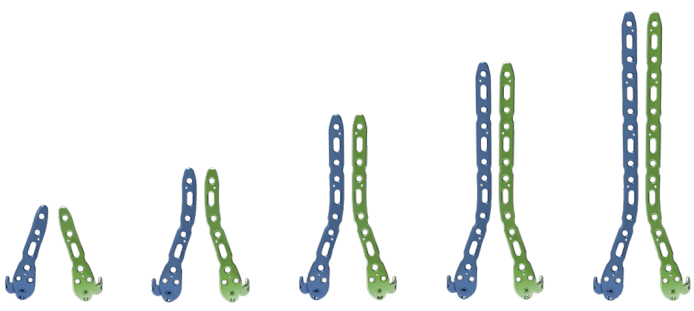
NTSM1D NTSM2D NTSM3D NTSM4D

MEDIAL PLATES	
Ref.	Description
NTSM1D	Medial distal humerus plate - Symmetrical - Size 1 - 7 holes - L77 mm
NTSM2D	Medial distal humerus plate - Symmetrical - Size 2 - 10 holes - L113 mm
NTSM3D	Medial distal humerus plate - Symmetrical - Size 3 - 13 holes - L151 mm
NTSM4D	Medial distal humerus plate - Symmetrical - Size 4 - 16 holes - L189 mm



NTxL1D NTxL2D NTxL3D NTxL4D NTxL5D

LATERAL PLATES	
Ref.	Description
NTGL1D	Lateral distal humerus plate - Left - Size 1 - 7 holes - L67 mm
NTDL1D	Lateral distal humerus plate - Right - Size 1 - 7 holes - L67 mm
NTGL2D	Lateral distal humerus plate - Left - Size 2 - 9 holes - L93 mm
NTDL2D	Lateral distal humerus plate - Right - Size 2 - 9 holes - L93 mm
NTGL3D	Lateral distal humerus plate - Left - Size 3 - 12 holes - L131 mm
NTDL3D	Lateral distal humerus plate - Right - Size 3 - 12 holes - L131 mm
NTGL4D	Lateral distal humerus plate - Left - Size 4 - 15 holes - L169 mm
NTDL4D	Lateral distal humerus plate - Right - Size 4 - 15 holes - L169 mm
NTGL5D-ST*	Lateral distal humerus plate - Left - Size 5 - STERILE - 18 holes - L207 mm
NTDL5D-ST*	Lateral distal humerus plate - Right - Size 5 - STERILE - 18 holes - L207 mm



NTxQ1D NTxQ2D NTxQ3D NTxQ4D NTxQ5D

POSTERO-LATERAL PLATES	
Ref.	Description
NTGQ1D	Posterolateral distal humerus plate - Left - Size 1 - 9 plots - L71 mm
NTDQ1D	Posterolateral distal humerus plate - Right - Size 1 - 9 plots - L71 mm
NTGQ2D	Posterolateral distal humerus plate - Left - Size 2 -11 plots - L99 mm
NTDQ2D	Posterolateral distal humerus plate - Right - Size 2 - 11 plots - L99 mm
NTGQ3D	Posterolateral distal humerus plate - Left - Size 3 - 14 plots - L137 mm
NTDQ3D	Posterolateral distal humerus plate - Right - Size 3 - 14 plots - L137 mm
NTGQ4D	Posterolateral distal humerus plate - Left - Size 4 - 17 plots - L175 mm
NTDQ4D	Posterolateral distal humerus plate - Right - Size 4 - 17 plots - L175 mm
NTGQ5D-ST*	Posterolateral distal humerus plate - Left - Size 5 - STERILE - 20 plots - L212 mm
NTDQ5D-ST*	Posterolateral distal humerus plate - Right - Size 5 - STERILE - 20 plots - L212 mm

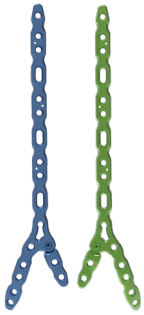
* Only available in sterile version on request

IMPLANT REFERENCES

→ DISTAL HUMERUS PLATES

NTxY1D

NTxY2D



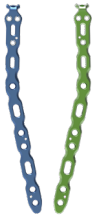
NTxY3D

Y PLATES	
Ref.	Description
NTGY1D	Y distal humerus plate - Left - Size 1 - 12 holes - L134 mm
NTDY1D	Y distal humerus plate - Right - Size 1 - 12 holes - L134 mm
NTGY2D	Y distal humerus plate - Left - Size 2 - 15 holes - L180 mm
NTDY2D	Y distal humerus plate - Right - Size 2 - 15 holes - L180 mm
NTGY3D	Y distal humerus plate - Left - Size 3 - 18 holes - L226 mm
NTDY3D	Y distal humerus plate - Right - Size 3 - 18 holes - L226 mm

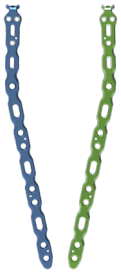
→ OLECRANON PLATES

HTSPN1D

HTxPS1D



HTxPS2D



HTxPS3D

STANDARD PLATES (WITH HOOK)	
Ref.	Description
HTSPN1D	Olecranon plate - Narrow - Symmetrical - Size 1 - 7 holes – L64 mm
HTGPS1D	Olecranon plate - Standard - Left - Size 1 - 10 holes - L112 mm
HTDPS1D	Olecranon plate - Standard - Right - Size 1 - 10 holes - L112 mm
HTGPS2D	Olecranon plate - Standard - Left - Size 2 - 13 holes - L153 mm
HTDPS2D	Olecranon plate - Standard - Right - Size 2- 13 holes - L153 mm
HTGPS3D	Olecranon plate - Standard - Left - Size 3 - 16 holes - L194 mm
HTDPS3D	Olecranon plate - Standard - Right - Size 3 - 16 holes - L194 mm

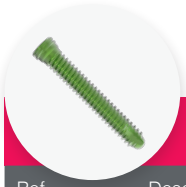
HTSEPS1D

HTxEPS2D

COMPLEX FRACTURE PLATES	
Réf.	Désignation
HTSEPS1D	Olecranon plate - Proximal - Standard - Symmetrical - Size 1 – 9 holes – L66 mm
HTGEPS2D	Olecranon plate - Proximal - Standard - Left - Size 2 – 12 holes – L114 mm
HTDEPS2D	Olecranon plate - Proximal - Standard - Right - Size 2 – 12 holes – L114 mm

IMPLANT REFERENCES

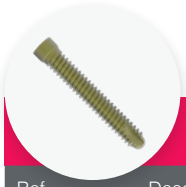
→ Ø2.8 MM SCREW



REINFORCED CORE Ø2.8 MM LOCKING SCREWS*

Ref.	Description
TDT2.8LxxD	Ø2.8 mm reinforced core locking screw Length: from 10 mm to 60 mm (2 mm incrementation from L10 to 40 mm) (5 mm incrementation from L40 to 60 mm)

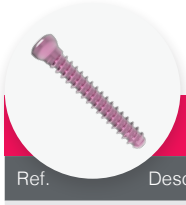
Green anodized



REINFORCED CORE Ø2.8 MM NON LOCKING SCREWS*

Ref.	Description
RDT2.8LxxD	Ø2.8 mm reinforced core non-locking screw Length: from 10 mm to 60 mm (2 mm incrementation from L10 to 40 mm) (5 mm incrementation from L40 to 60 mm)

Gold anodized

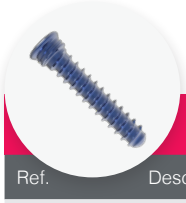


Ø2.8 MM NON LOCKING SCREWS*

Ref.	Description
CT2.8LxxD	Ø2.8 mm non-locking screw Length : from 10 mm to 60 mm (2 mm incrementation from L10 to 40 mm) (5 mm incrementation from L40 to 60 mm)

Pink anodized

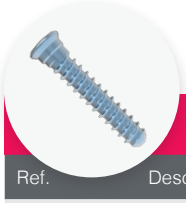
→ Ø3.5MM SCREW



Ø3.5 MM LOCKING SCREWS*

Ref.	Description
SOT3.5LxxD	Ø3.5 mm locking screw Length: from 10 mm to 40 mm (2 mm incrementation)

Blue anodized



Ø3.5 MM NON LOCKING SCREWS*

Ref.	Description
CT3.5LxxD	Ø3.5 mm non-locking screw Length: from 10 mm to 40 mm (2 mm incrementation)

Light blue anodized

REMARK :

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

Example: TDT2.8L10D-ST

INSTRUMENT REFERENCES

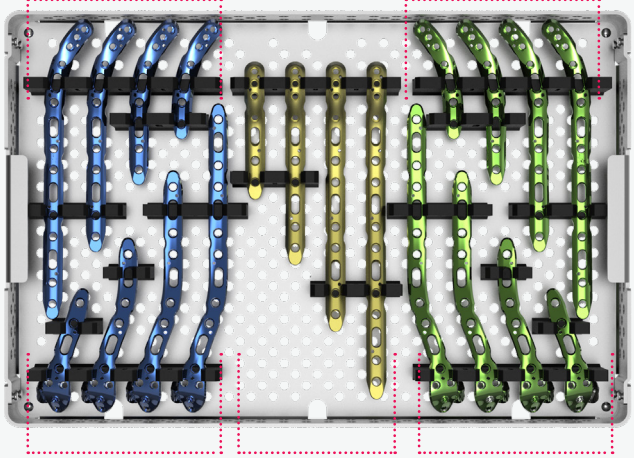
INSTRUMENTS		
Ref.	Description	Qty
ANC344	240 mm verbrugge forceps	1
ANC345	200 mm reduction forceps	1
ANC348	240 mm reduction forceps	1
ANC350	Ø4.5 mm AO quick coupling handle - Size 1	1
ANC351	Ø4.5 mm AO quick coupling handle - Size 2	1
ANC575	T8 quick coupling screwdriver	2
ANC650	Bending iron 1	1
ANC651	Bending iron 2	1
ANC1027	T15 AO quick coupling prehensor screwdriver	2
ANC1028	Length gauge for Ø3.5 mm screws	1
ANC102L	Length gauge for screw Ø2.8 mm - Measures 10 - 60 mm	1
ANC1030	Ø2.7 mm non threaded bent guide gauge for Ø3.5 mm screws	1
ANC1355	Ø2.7 mm quick coupling drill bit - L125 mm	2
ANC1428	Ø2.0 mm threaded long guide gauge for Ø2.8 mm screws	1
ANC1429	Ø2.0 mm threaded drill guide for Ø2.8 mm screws	2
ANC1430	Ø2.0 mm non threaded bent drill guide for Ø2.8 mm screws	1
ANC1431	Ø2.0 mm quick coupling drill bit - L 180 mm	2
ANC1432	Olecranon cutting guide	1
ANC1445	Ø2.7 mm threaded guide gauge for Ø3.5 mm screws	2
33.0216.210	Pin Ø1.6 - L210 mm	8
33.0220.210	Pin Ø2.0 - L210 mm	8

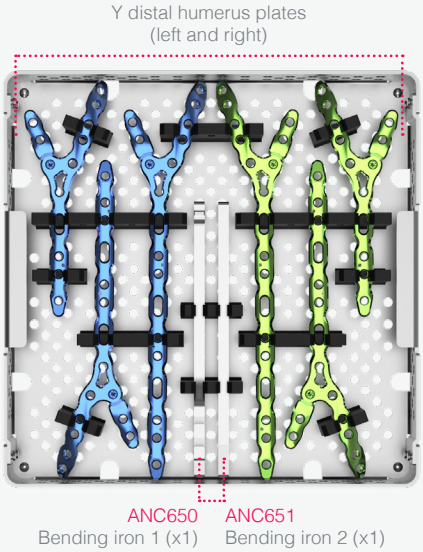
REMOVAL KITS :

If you have to remove Alians Elbow S implants, it is essential to order **Newclip Technics removal sets** :

- ANC350: Ø4.5 mm AO quick coupling handle - Size 1
- ANC351: Ø4.5 mm AO quick coupling handle - Size 2
- ANC575: T8 quick coupling screwdriver
- ANC974: T15 quick coupling screw driver

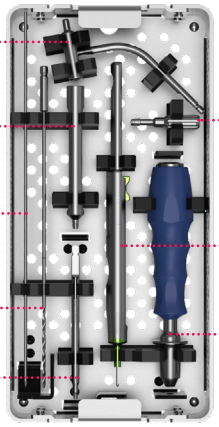
KIT DESCRIPTION





INSTRUMENTS

FOR Ø2.8 MM SCREWS



ANC1430 Ø2.0 mm non threaded bent drill guide for Ø2.8 mm screws

ANC1428 Ø2.0 mm threaded long guide gauge for Ø2.8 mm screws (x1)

33.0216.210 Pin Ø1.6 - L210 mm (x4)

ANC1431 Ø2.0 mm quick coupling drill bit - L180 mm (x2)

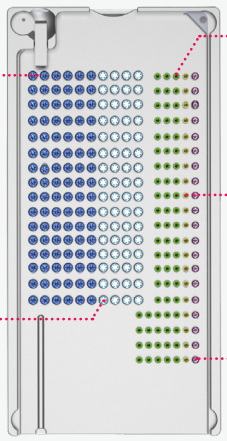
ANC575 T8 quick coupling screwdriver (x2)

ANC1429 Ø2.0 mm threaded drill guide for Ø2.8 mm screws(x2)

ANC102L Length gauge

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

SCREWS



SOT3.5LxxD
Ø3.5 mm locking screw - L10 to 40 mm
(2 mm incrementation)

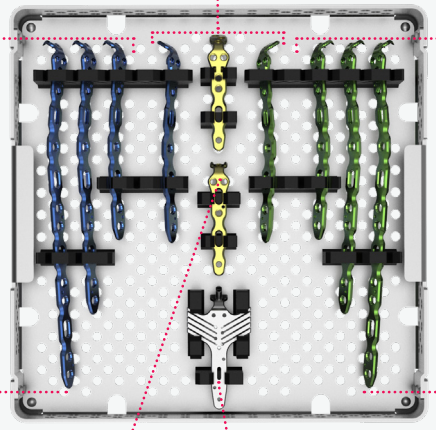
CT3.5LxxD
Ø3.5 mm non-locking screw - L10 to 40 mm
(2 mm incrementation)

TDT2.8xxD
Ø2.8 mm reinforced core locking screw - L10 to 60 mm
(2 mm incrementation from L10 to 40 mm)
(5 mm incrementation from L40 to 60 mm)

RDT2.8LxxD
Ø2.8 mm reninforced core non-locking screw - L10 à 60 mm
(2 mm incrementation from L10 to 40 mm)
(5 mm incrementation from L40 to 60 mm)

CT2.8LxxD
Ø2.8 mm non-locking screw - L10 to 60 mm
(2 mm incrementation from L10 to 40 mm)
(5 mm incrementation from L40 to 60 mm)

Olecranon plates - complex fractures



Olecranon plates - standard (left)

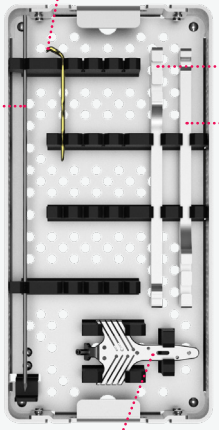
Olecranon plates - standard (right)

Olecranon plate (symmetrical)

ANC1432 Olecranon cutting guide

OPTIONAL

Olecranon plate - narrow (symmetrical)



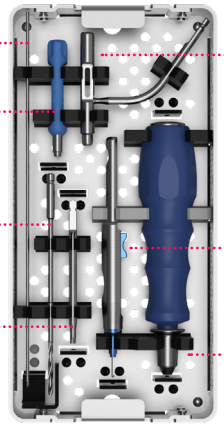
33.0220.210 Pin Ø2.0 - L210 mm (x4)

ANC650 Bending iron 1 (x1)

ANC651 Bending iron 2 (x1)

ANC1432 Olecranon cutting guide

FOR Ø3.5 MM SCREWS



33.0216.210 Pin Ø1.6 - L210 mm (x4)

ANC1445 Ø2.7 mm threaded guide gauge for Ø3.5 mm screws (x2)

ANC1355 Ø2.7 mm quick coupling drill bit - L125 mm (x2)

ANC1027 T15 AO quick coupling prehensor screwdriver (x2)

ANC1030 Ø2.7 mm non threaded bent guide gauge for Ø3.5 mm screws

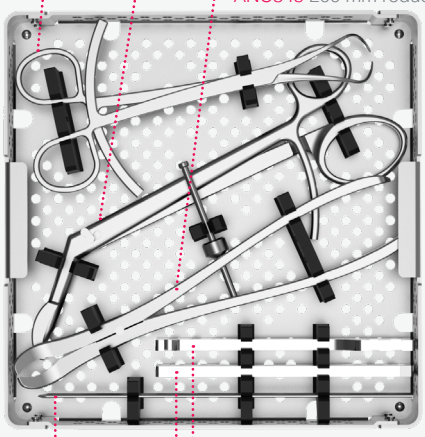
ANC1028 Length gauge for Ø3.5 mm screws

ANC351 Ø4.5 mm AO quick coupling handle - Size 2

ANC348 240 mm reduction forceps

ANC344 24 cm verbrugge forceps

ANC345 200 mm reduction forceps



ANC650 Bending iron 1 (x1)

ANC651 Bending iron 2 (x1)

33.0220.210 Pin Ø2.0 - L210 mm (x4)

Manufacturer : Newclip Technics – Brochure EN – Alians Elbow S – ED3 – 11/2024 - Medical device EC: class IIb – CE 1639 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 images.

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