

ALIANS ELBOW - DISTAL HUMERUS Y PLATES

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

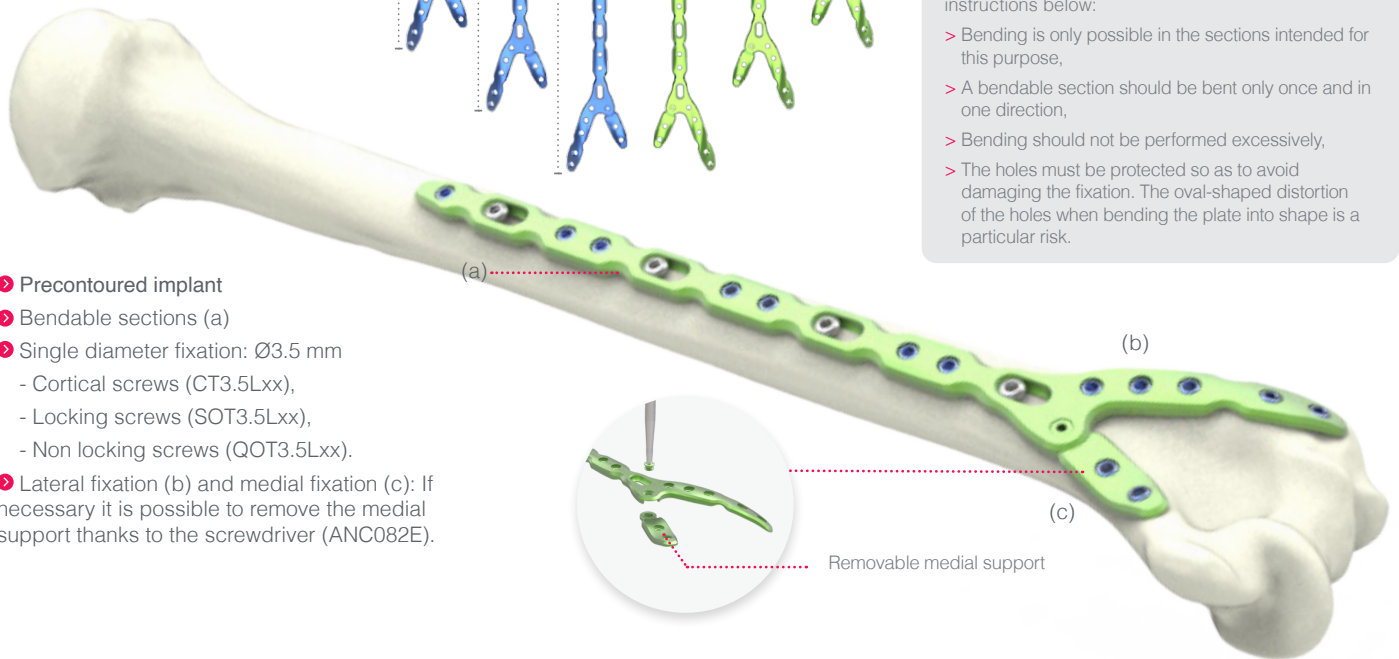
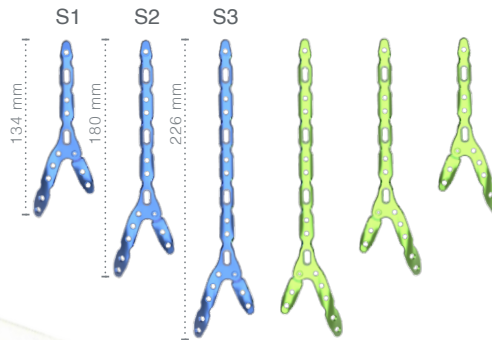
Contre-indications:

- Serious vascular deterioration, bone devitalization,
- Pregnancy,
- Acute or chronic local or systemic infections.
- Lack of musculo-cutaneous cover, severe vascular deficiency affecting the concerned area.
- Insufficient bone quality preventing a good fixation of the implants into the bone,
- Muscular deficit, neurological deficiency or behavioral disorders, which could submit the implant to abnormal mechanical strains.
- Allergy to one of the materials used or sensitivity to foreign bodies.
- Serious problems of non-compliance, mental or neurological disorders, failure to follow post-operative care recommendations.
- Unstable physical and/or mental condition.

TECHNICAL FEATURES

► A comprehensive range of plates:

- Plates available in 3 sizes
- Green anodized for right plates and blue anodized for left plates.



► Precontoured implant

► Bendable sections (a)

► Single diameter fixation: Ø3.5 mm

- Cortical screws (CT3.5Lxx),
- Locking screws (SOT3.5Lxx),
- Non locking screws (QOT3.5Lxx).

► Lateral fixation (b) and medial fixation (c): If necessary it is possible to remove the medial support thanks to the screwdriver (ANC082E).

BENDING PLATES

Plates from **Alians Elbow - Distal humerus Y plates** range offer bending sections. In certain cases, it is possible to bend the plate thanks to the bending irons (ANC650 and ANC651) following the instructions below:

- > Bending is only possible in the sections intended for this purpose,
- > A bendable section should be bent only once and in one direction,
- > Bending should not be performed excessively,
- > The holes must be protected so as to avoid damaging the fixation. The oval-shaped distortion of the holes when bending the plate into shape is a particular risk.

ALIANS ELBOW - DISTAL HUMERUS Y PLATES REFERENCES

Y PLATES	
Ref.	Description
NTGY1	Y plate for distal humeral fracture - Left - Size 1
NTDY1	Y plate for distal humeral fracture - Right - Size 1
NTGY2	Y plate for distal humeral fracture - Left - Size 2
NTDY2	Y plate for distal humeral fracture - Right - Size 2
NTGY3	Y plate for distal humeral fracture - Left - Size 3
NTDY3	Y plate for distal humeral fracture - Right - Size 3

INSTRUMENTS		
Ref.	Description	Qty
ANC083C	2 in 1 : 2.5 mm hexagonal prehensor screwdriver - Ø3.5 mm countersink	1
ANC089C	Ø2.7 mm quick coupling drill bit - L 125 mm	1
ANC124L	Length gauge for Ø3.5 mm screw - Measures 10 - 60 mm	1
ANC186	Ø2.7 mm threaded guide gauge for Ø3.5 mm screws	1
ANC191	Ø2.7 mm non threaded bent guide gauge for Ø3.5 mm screws	1
ANC344	24 cm verbrugge forceps	1
ANC345	200 mm reduction forceps	1
ANC348	235 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
ANC650	Bending iron 1	1
ANC651	Bending iron 2	1
33.0216.210	Pin Ø1.6 L210 mm	5
33.0220.210	Pin Ø2.0 L210 mm	5

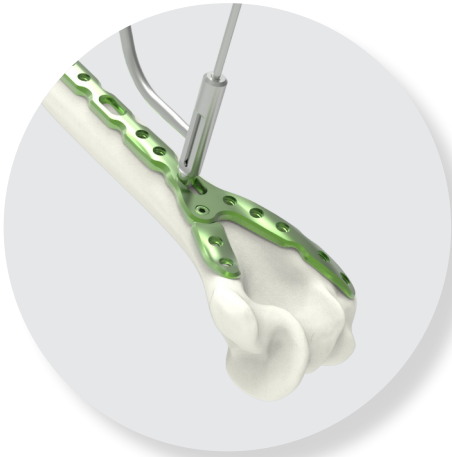
SCREWS (available in the ALIANS ELBOW kit)	
Ref.	Description
CT3.5Lxx*	Standard cortical screw - Ø3.5 mm Length: from 10 mm to 40 mm (2 mm increments)
SOT3.5Lxx**	Locking screw - Ø3.5 mm Length: from 10 mm to 60 mm (2 mm increments from 10 to 40 mm) (5 mm increments from 40 to 60 mm)

*Non anodized or light blue anodized for sterile screws.

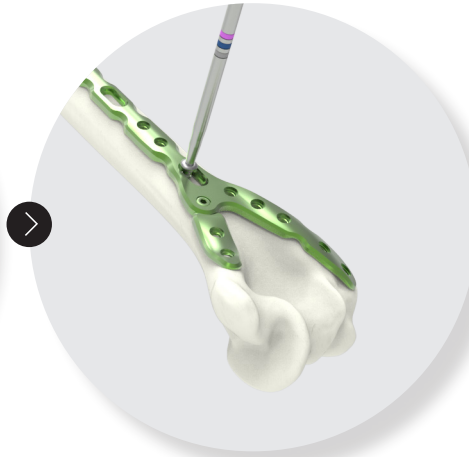
**Blue anodized.

NB : The Alians Elbow - distal Y plates are available as complement to the Alians Elbow kit, on request. The Alians Elbow - distal humerus Y plates cannot be sold separately.

SURGICALE TECHNIQUE



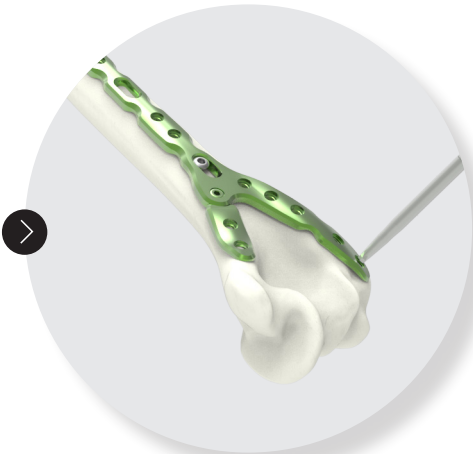
1. Drill (Ø2.7 mm) (ANC089C). The screw length can be directly read on the Ø2.7 mm non threaded bent guide gauge (ANC191).



2. Insert a Ø3.5 mm cortical screw (CT3.5Lxx) in the most distal oblong hole using the screwdriver part of the 2 in 1 instrument (ANC083C). For optimal positioning, slide the plate using the oblong hole and tighten the cortical screw (CT3.5Lxx).

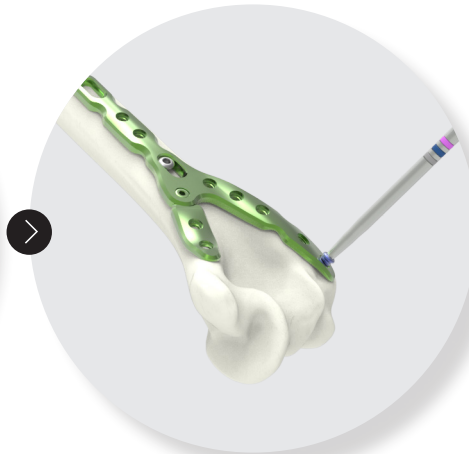


3. Drill (ANC089C) using the threaded guide gauge for Ø3.5 mm screws (ANC186) in the most distal hole of the lateral column. The screw length can be directly read on the threaded guide gauge (ANC186).

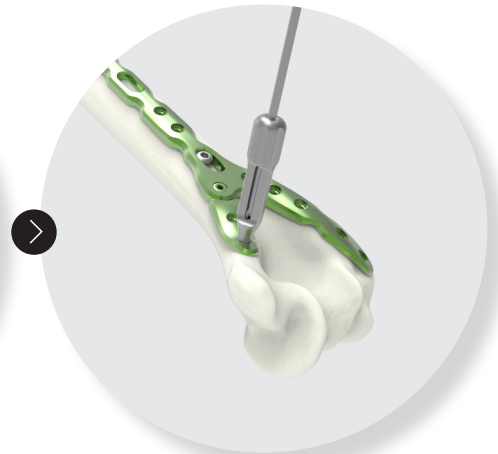


4. To ease the insertion of the Ø3.5 mm locking screws (SOT3.5Lxx), use the reamer part of the 2 in 1 instrument (ANC083C) to widen the first cortex previously drilled.

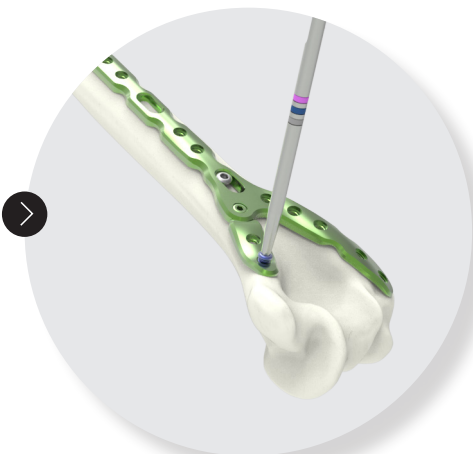
Remark: Use the reamer part of the 2 in 1 instrument (ANC083C) for the insertion of Ø3.5 mm locking screws (SOT3.5Lxx) and Ø3.5 mm non locking screws (QOT3.5Lxx).



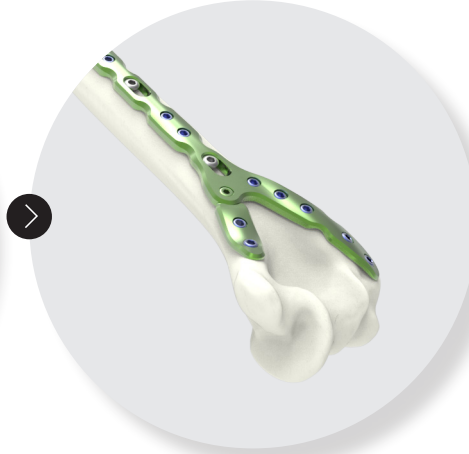
5. Insert a Ø3.5 mm locking screw (SOT3.5Lxx) using the screwdriver part of the 2 in 1 instrument (ANC083C).



6. Proceed similarly for the medial fixation. Drill (ANC089C) using the threaded guide gauge for Ø3.5 mm screws (ANC186) in the most distal hole of the medial column. The screw length can be directly read on the threaded guide gauge (ANC186).



7. Insert a Ø3.5 mm locking screw (SOT3.5Lxx) using the screwdriver part of the 2 in 1 instrument (ANC083C).



8. Complete the construct by inserting the remaining Ø3.5 mm screws.



FINAL RESULT

