

NEWCLIP-TECHNICS







- Distal humerus and olecranon plating system
- Polyaxial locking technology
- Precontoured implants

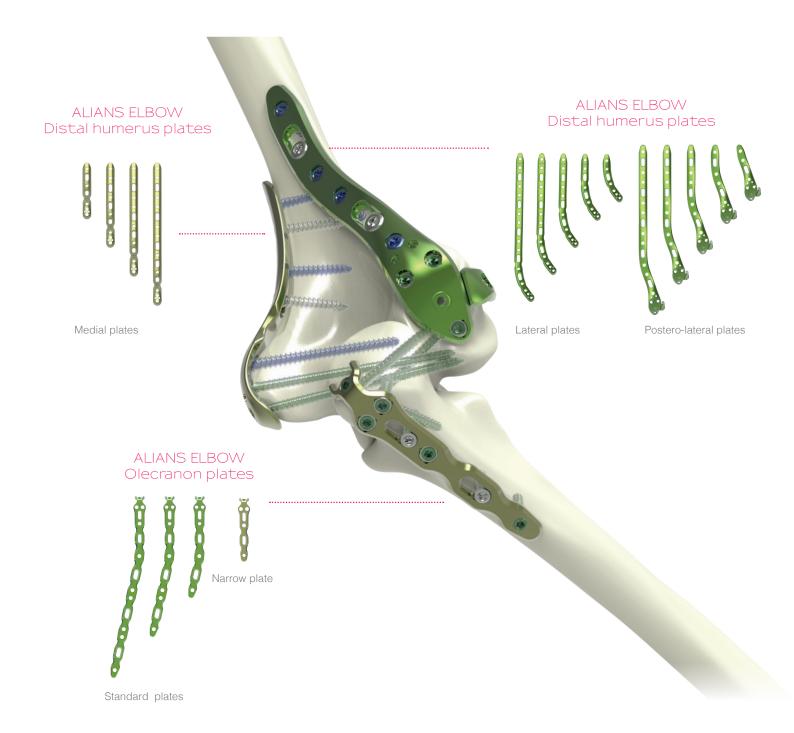
ALIANS ELBOW

Indications: the implants of the Alians Elbow range are intended for the fixation of fractures and osteotomies of the distal humerus and proximal ulna in adults

Contra-indications:

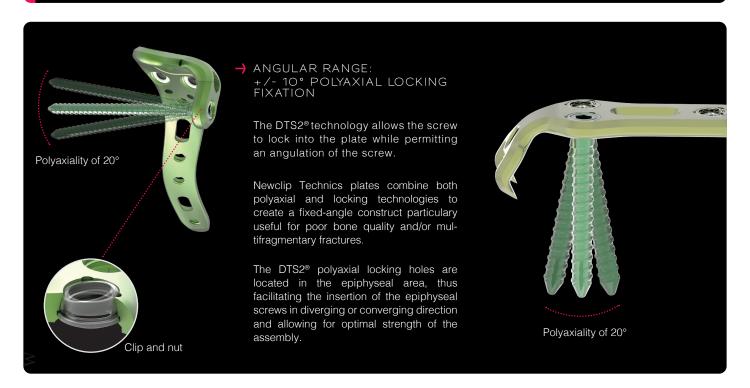
- Pregnancy.
- Acute or chronic local or systemic infections.
- Allergy to one of the materials used or sensitivity to foreign bodies.

ALIANS ELBOW RANGE



FIXATIONS : TECHNICAL FEATURES

ANGULAR RANGE: +/- 10° POLYAXIAL LOCKING RANGE

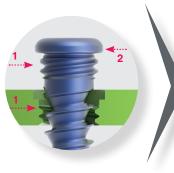


MONOAXIAL LOCKING SYSTEM

→ FEATURES

- The threaded sections under the screw head and inside the hole have strictly the same characteristics (1):
 - Cylindrical internal thread profile,
 Cylindrical external thread profile,
- Screw head cap (2),
- Plate and screw made from the same material: titanium alloy.

→ RESULTS





- Low profile construct:
 - The buried screw head thanks to the cap in the slot insuring the locking, (3),
 - The screw head is buried in the plate.
- Construct limiting cold welding risks for improved removal properties:
 - A perfect coaptation of both profiles when locking (4).

FIXATION SYSTEM

DTS2® polyaxial holes for Ø2.8 mm locking screws (TDT2.8Lxx) and Ø2.8 mm non locking screws (RDT2.8Lxx).

Oneclip® monoaxial hole for Ø2.8 mm locking screws ····· (TDT2.8Lxx) and Ø2.8 mm non locking screws (RDT2.8Lxx).



cortical compression screws (CT2.8Lxx).

Slotted holes for Ø3.5 mm cortical compression screws (CT3.5Lxx).

Oneclip® monoaxial holes for \emptyset 3.5 mm locking screws (SOT3.5Lxx) and \emptyset 3.5 mm non locking screws (QOT3.5Lxx).

DISTAL HUMERUS PLATES

PRECONTOURED IMPLANTS

The design of ALIANS ELBOW Distal humerus implants is the result of a proprietary state-of-the-art mapping technology to establish the maximum congruence between the plate and the bone.



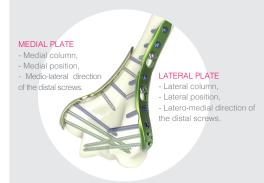
PLATE BENDING

Some plates from **ALIANS ELBOW** range (distal humerus and olecranon plates) offer bending areas. In certain cases, it is possible to bend the plate thanks to the bending irons (ANC452) following the instructions below:

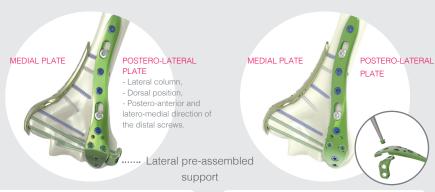
- > Bending is only possible in the areas intended for this purpose,
- > A bendable area should be bent only once and in one direction,
- > Bending should not be performed excessively,
- > The holes must be protected so as to avoid damaging the fixation. The oval-shaped distortion of the holes when bending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

3 TYPES OF CONSTRUCT

→ 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 long screws, from the lateral to the medial column of the distal humerus for extra stability and strength of the fixation.

Fixation without lateral support

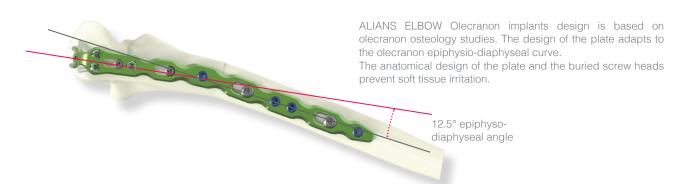
Distal humerus postero-lateral plates can be fitted to several types of fracture. In the case of partial articular fractures of the capitellum or very small humeri if the lateral support exceeds over the lateral epicondyl, it is possible to remove the lateral support. In this case, a Ø3.5 mm locking screw can be inserted in the cleared hole.

POLYAXIAL LOCKING FIXATION

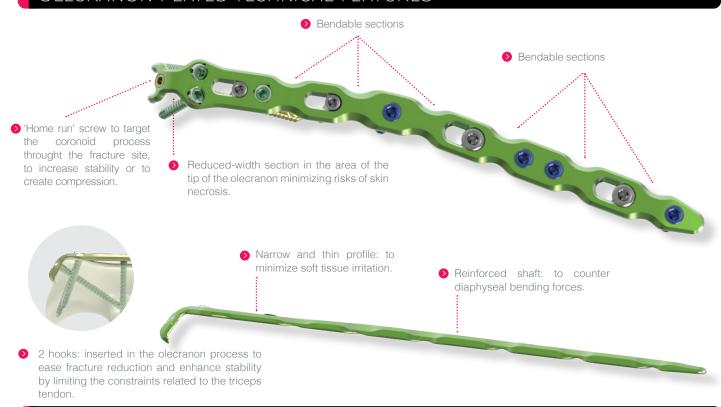


OLECRANON PLATES

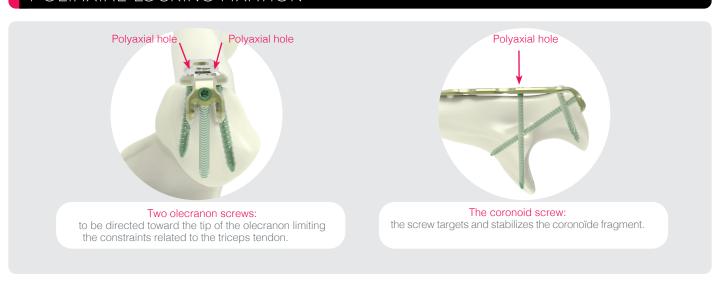
PRECONTOURED IMPLANTS



OLECRANON PLATES TECHNICAL FEATURES

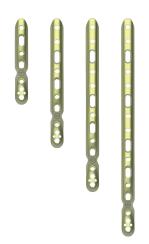


POLYAXIAL LOCKING FIXATION

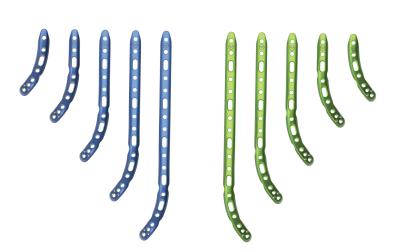


MPLANT REFERENCES

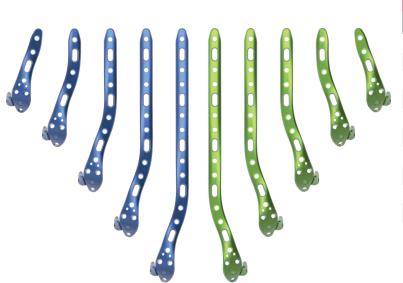
-) DISTAL HUMERUS PLATES



	MEDIAL PLATES
Ref.	Description
NTSM1	Medial distal humerus plate - Symmetrical - Size 1 - 7 holes - L76 mm
NTSM2	Medial distal humerus plate - Symmetrical - Size 2 - 10 holes - L113 mm
NTSM3	Medial distal humerus plate - Symmetrical - Size 3 - 13 holes - L150 mm
NTSM4	Medial distal humerus plate - Symmetrical - Size 4 - 16 holes - L187 mm



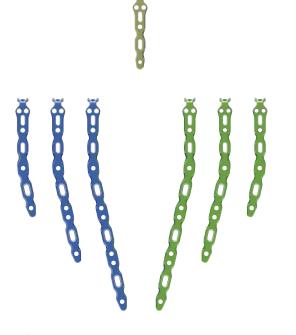
	LATERAL PLATES
Ref.	Description
NTGL1	Lateral distal humerus plate - Left - Size 1 - 7 holes - L70 mm
NTDL1	Lateral distal humerus plate - Right - Size 1 - 7 holes - L70 mm
NTGL2	Lateral distal humerus plate - Left - Size 2 - 9 holes - L93 mm
NTDL2	Lateral distal humerus plate - Right - Size 2 - 9 holes - L93 mm
NTGL3	Lateral distal humerus plate - Left - Size 3 -12 holes - L131 mm
NTDL3	Lateral distal humerus plate - Right - Size 3 - 12 holes - L131 mm
NTGL4	Lateral distal humerus plate - Left - Size 4 - 15 holes - L169 mm
NTDL4	Lateral distal humerus plate - Right - Size 4 - 15 holes - L169 mm
NTGL5	Lateral distal humerus plate - Left - Size 5 - 18 holes - L207 mm
NTDL5	Lateral distal humerus plate - Right - Size 5 - 18 holes - L207 mm



POSTERO-LATERAL PLATES			
Ref.	Description		
NTGQ1	Posterolateral distal humerus plate - Left - Size 1 - 9 holes - L72 mm		
NTDQ1	Posterolateral distal humerus plate - Right - Size 1 - 9 holes - L72 mm		
NTGQ2	Posterolateral distal humerus plate - Left - Size 2 - 11 holes - L99 mm		
NTDQ2	Posterolateral distal humerus plate - Right - Size 2 - 11 holes - L99 mm		
NTGQ3	Posterolateral distal humerus plate - Left - Size 3 - 14 holes - L137 mm		
NTDQ3	Posterolateral distal humerus plate - Right - Size 3 - 14 holes - L137 mm		
NTGQ4	Posterolateral distal humerus plate - Left - Size 4 - 17 holes - L175 mm		
NTDQ4	Posterolateral distal humerus plate - Right - Size 4 - 17 holes - L175 mm		
NTGQ5	Posterolateral distal humerus plate - Left - Size 5 - 20 holes - L213 mm		
NTDQ5	Posterolateral distal humerus plate - Right - Size 5 - 20 holes - L213 mm		

IMPLANT REFERENCES

-) OLECRANON PLATES



	NARROW PLATE
Ref.	Description
HTSPN1	Olecranon plate - Narrow - Symmetrical - Size 1 - 7 holes - L64 mm

	STANDARD PLATES
Ref.	Description
HTGPS1	Olecranon plate - Standard - Left - Size 1 - 9 holes - L102 mm
HTDPS1	Olecranon plate - Standard - Right - Size 1 - 9 holes - L102 mm
HTGPS2	Olecranon plate - Standard - Left - Size 2 - 12 holes - L141 mm
HTDPS2	Olecranon plate - Standard - Right - Size 2 - 12 holes - L141 mm
HTGPS3	Olecranon plate - Standard - Left - Size 3 - 15 holes - L182 mm
HTDPS3	Olecranon plate - Standard - Right - Size 3 - 15 holes - L182 mm

→ Ø2.8 MM SCREWS







Non anodized or pink anodized for sterile screws

→ Ø3.5 MM SCREWS





Fuchsia anodized



Non anodized or light blue anodized for sterile screws

Please note that all implants are also available in sterile packaging. The tube packaging is handy and easy to use. An "ST" code is added at the end of the reference, e.g. "SOT3.5L16-ST"

INSTRUMENT REFERENCES

ALIANS ELBOW INSTRUMENTS			
Ref.	Description	Qty	
ANC082E	2.0 mm quick coupling hexagonal prehensor screwdriver	2	
ANC083C	2.5 mm quick coupling hexagonal prehensor screwdriver	3	
ANC089C	Ø2.7 mm quick coupling drill bit - L125 mm	1	
ANC102L	Length gauge for Ø2.8 mm screws - Measures 10 - 60 mm	1	
ANC103	2.0 mm hexagonal non prehensor screwdriver	1	
ANC107	2.5 mm quick coupling hexagonal non prehensor screwdriver	1	
ANC124L	Length gauge for Ø3.5 mm screws - Measures 10 - 60 mm	1	
ANC160	Handle for fast drilling guide	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	
ANC256E	Ø2.7 mm quick coupling drill bit - L180 mm	2	
ANC259E	Ø2.7 mm threaded long guide gauge for Ø3.5 mm screws	2	
ANC261E	Ø2.7 mm non threaded bent long guide gauge for Ø3.5 mm screws	1	
ANC287	Ø2.3 mm quick coupling drill bit - L180 mm	2	
ANC305	Ø2.3 mm DTS2 drill guide	2	
ANC306	Ø2.3 mm non threaded guide gauge for Ø2.8 mm screws	1	
ANC309	Ø1.7 mm guide for Ø1.6 mm pin	1	
ANC313	Fast drilling guide for medial distal humerus plate - Symmetrical (NTSMx)	1	

	ALIANS ELBOW INSTRUMENTS	
Ref.	Description	Qty
ANC314	Fast drilling guide for lateral distal humerus plate - Left (NTGLx)	1
ANC315	Fast drilling guide for lateral distal humerus plate - Right (NTDLx)	1
ANC316	Fast drilling guide for posterolateral distal humerus plate - Left (NTGQx)	1
ANC317	Fast drilling guide for posterolateral distal humerus plate - Right (NTDQx)	1
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
ANC452	Bending iron	2
ANC463	Ø3.5 mm quick coupling countersink	2
ANC493	Ø2.3 mm non threaded bent guide gauge for Ø2.8 mm screws	1
ANC494	Ø2.3 mm threaded long guide gauge for Ø2.8 mm screws	1
ANC498	Ø2.3 mm quick coupling drill bit - L150 mm	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

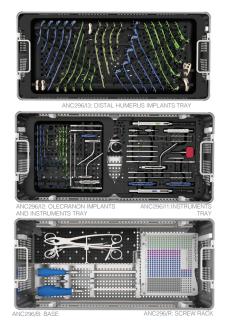
REMOVAL KIT

If you have to remove ALIANS ELBOW implants (distal humerus or olecranon implants), make sure to order the **Newclip Technics removal set** which includes the following instruments:

- ANC082E or ANC103: Screwdriver for Ø2.8 mm screws,
- ANC107 or ANC016: Screwdriver for Ø3.5 mm screws,
- ANC351: Ø4.5 mm AO quick coupling handle Size 2.

→ SET DESCRIPTION





The information presented in this brochure is intended to demonstrate a NEWCLIP TECHNICS product. Always refer to the package insert, product label and/or user instructions before using any NEWCLIP TECHNICS product. Surgeons must always rely on their own clinical judgment when deciding which products and techniques to use with their patients. Products may not be available in all markets. 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.

newcliptechnics.com



