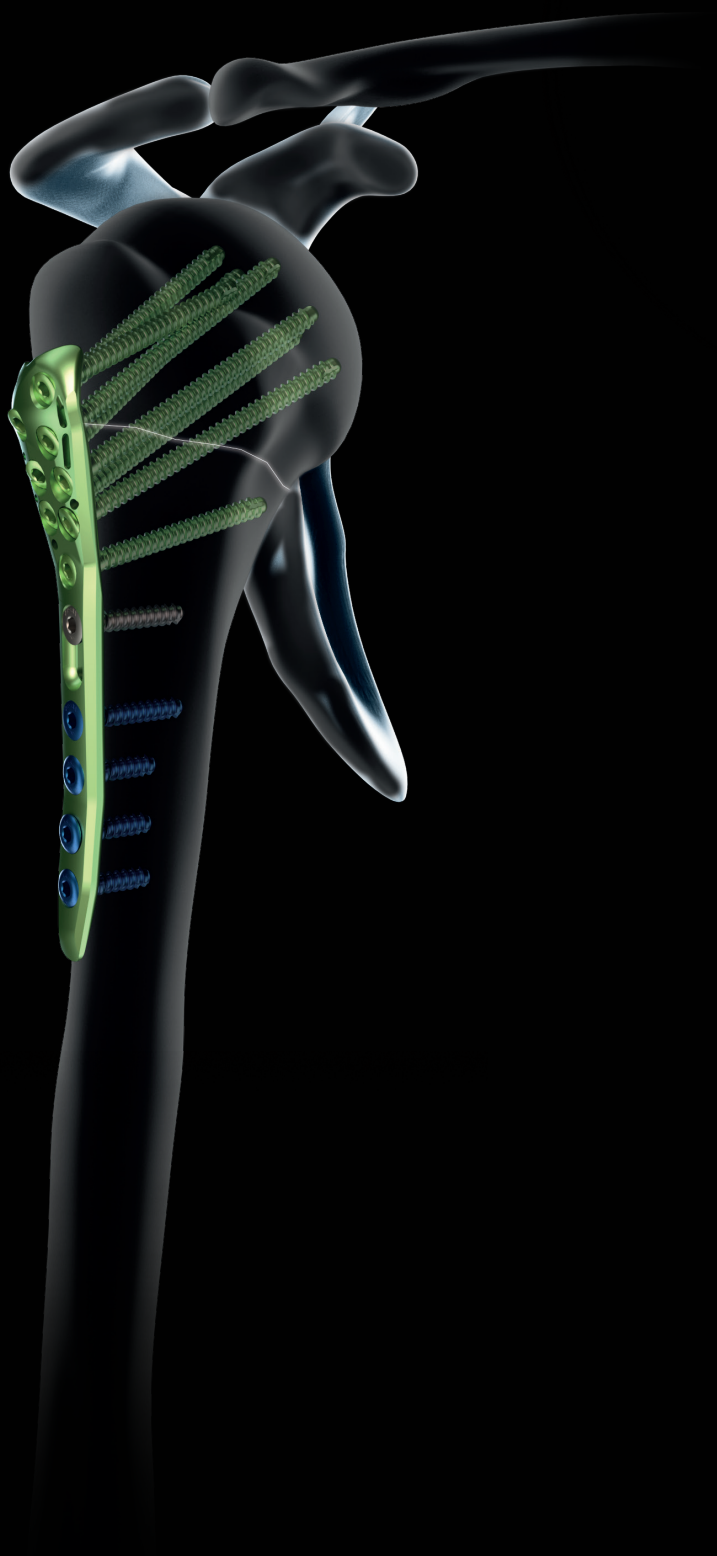
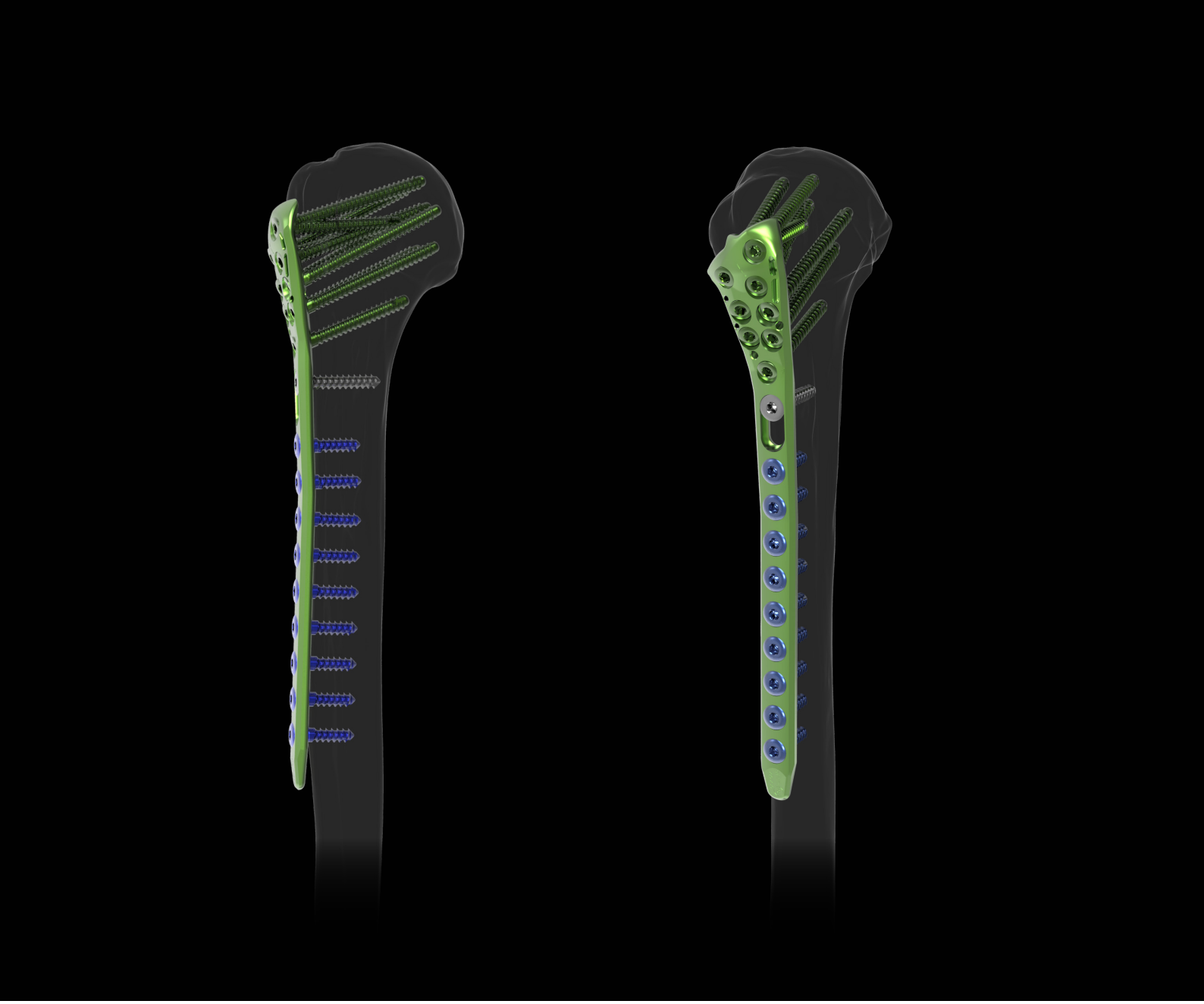
ALIANS PROXIMAL HUMERUS.



PROXIMAL HUMERUS
PLATING SYSTEM



Alians Proximal Humerus.

PROXIMAL HUMERUS PLATING SYSTEM

Intended purpose:
The implants of the Alians Proximal Humerus range are intended for osteosynthesis of fractures and fractures dislocations, osteotomies and non-unions of the proximal humerus 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.

ANATOMICALLY SHAPED PLATE

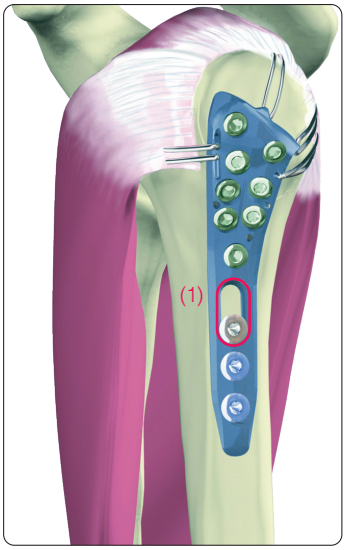


PLATE POSITIONNING

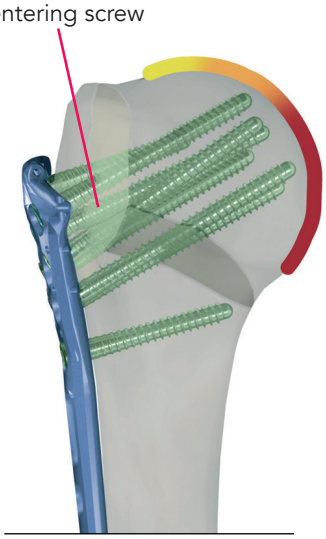
- 1.5 cm from the proximal edge of the greater tuberosity.
- Alongside the bicipital groove.
- Suture holes designed for use before or after fracture reduction.
- Oblong hole length allowing for adjustment of the plates height[(1)].

FIXATION SYSTEM AND SCREWS

BLUNT-TIPPED SCREWS

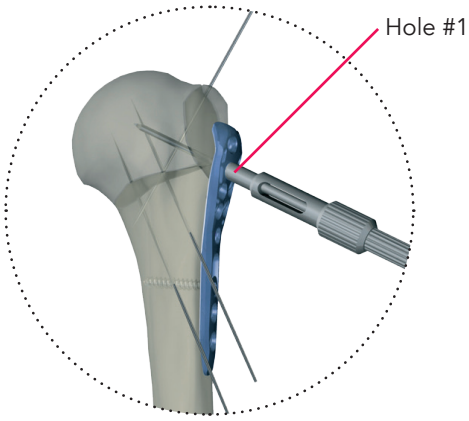
- Allow to be as close as possible to the articular surface.

Centering screw

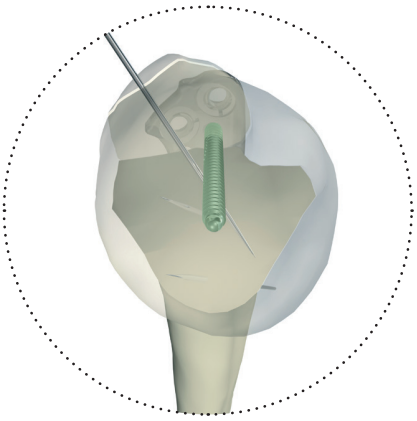


Screw diameter: 4.5 mm
Core diameter: 3.5 mm

DEDICATED CENTERING SCREW HOLE

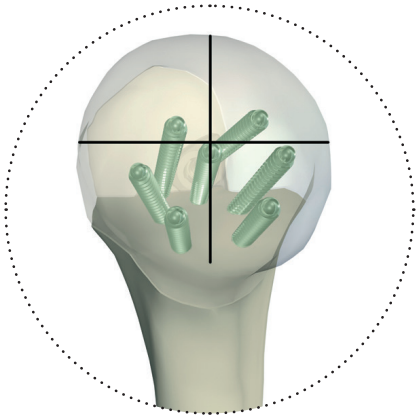


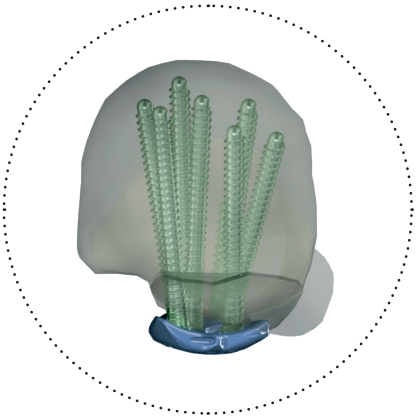
The drill guide (ANC131) and reductor (ANC147), with the Ø2.0 mm pin (33.0220.210), allow placement of a centering screw in the humeral head (hole marked #1).



The centering screw determines the plate positioning and the fixed-angle screw placement.

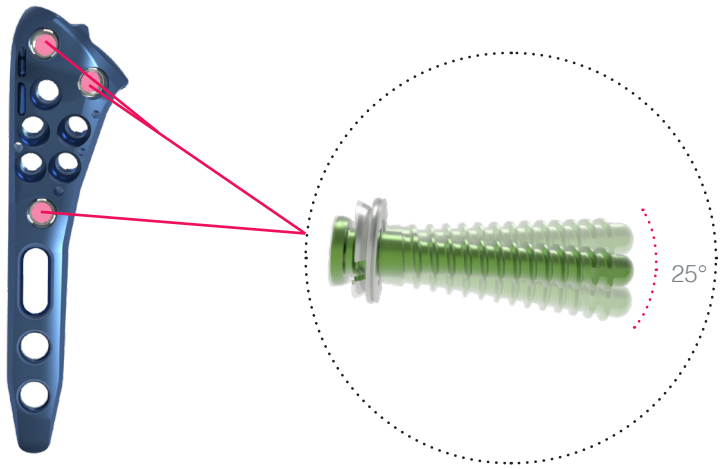
PROXIMAL SCREW POSITION





Divergent fixed-angle screws (targeting the inferior quadrants) and polyaxial locking screws allowing for position in the humeral head.

POLYAXIAL LOCKING SCREWS

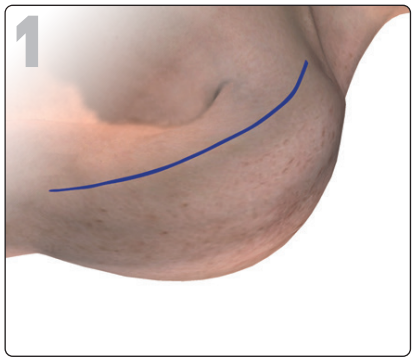


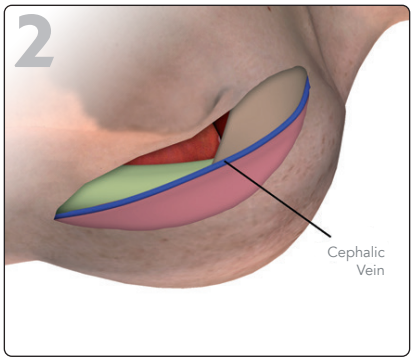
Three variable angle locking screws.

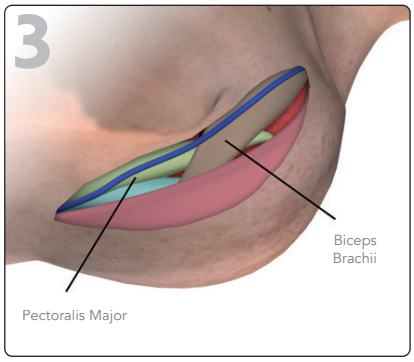
Surgical technique.

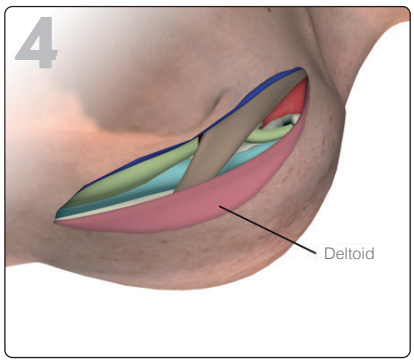
PROXIMAL HUMERUS PLATE (PAGE 1/3)

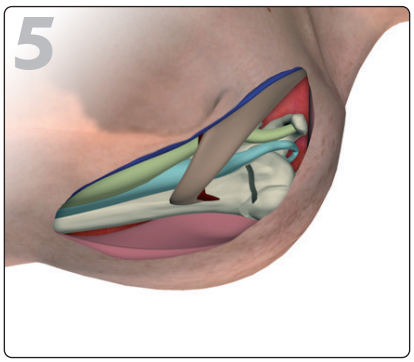
DELTOPECTORAL APPROACH EXAMPLE





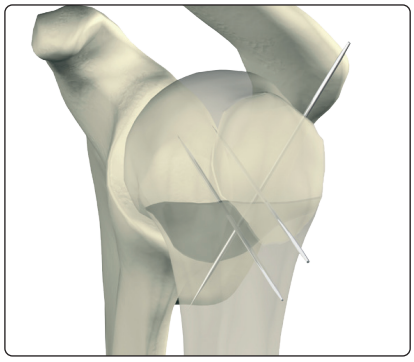






The patient is placed in the beach-chair position.
The deltopectoral or transdeltoid approaches can be used. For the deltopectoral approach, make sure to identify the cephalic vein. For the transdeltoid approach, make sure to identify the axillary nerve.

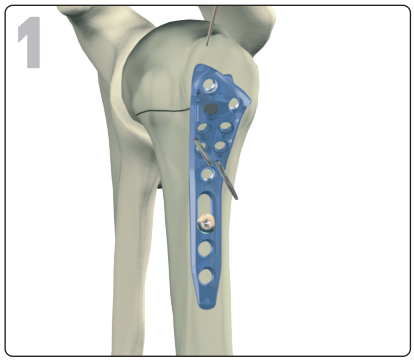
FRACTURE REDUCTION

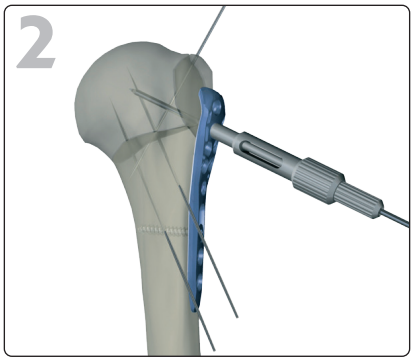


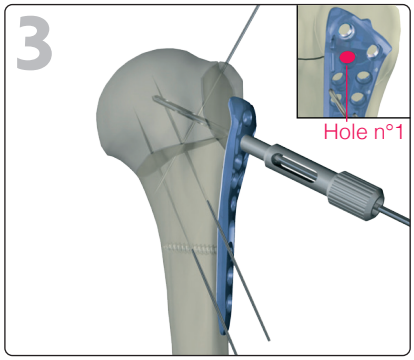
Reduce the fracture through traction and manipulation and provisionally stabilize the fracture fragments with pins (33.0220.210).
In valgus fracture patterns, the head must be elevated prior to provisional fixation.
The greater tuberosity is anatomically reduced and pinned to the shaft.
This is facilitated by manipulating the tuberosity with sutures placed through the substance of the infraspinatus. These sutures will later be used as supplemental fixation when they are secured to the plate.
Image intensification is necessary to confirm reduction.

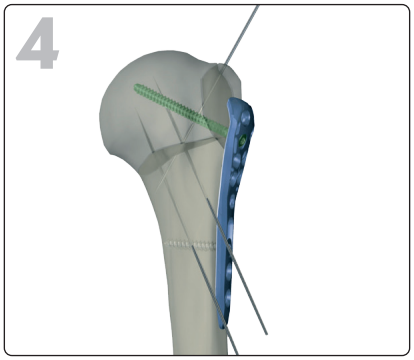
PROXIMAL HUMERUS PLATE (PAGE 2/3)

OSTEOSYNTHESIS PROCEDURE









CENTERING SCREW

Place the plate alongside the bicipital groove and approximately 1.5 cm distal from the top of the greater tuberosity.

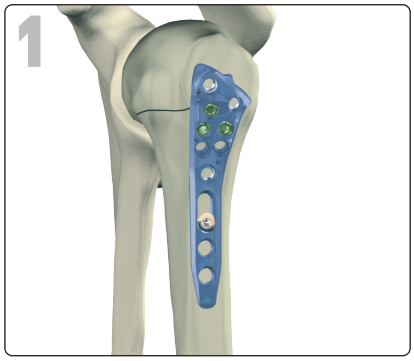
Insert a Ø4.5 mm non-locking screw (CT4.5Lxx) into the oblong hole and fasten the plate to the shaft. Provisionally secure the plate to the bone with Ø2.0 mm pins (33.0220.210).

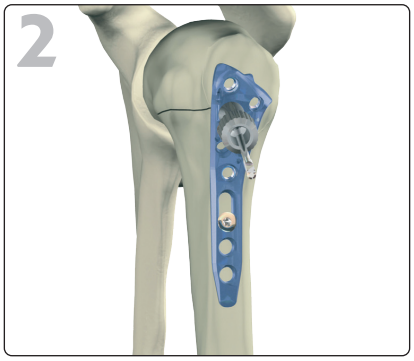
Insert the drill guide (ANC131) with its reductor (ANC147) through hole #1. Insert a Ø2.0 mm pin (33.0220.210) to target the center of the humeral head.

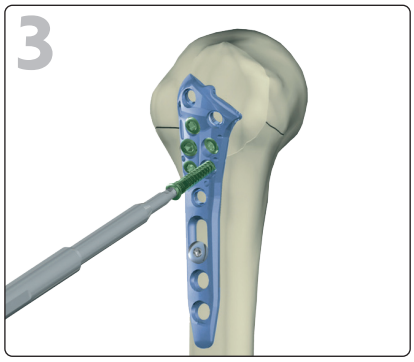
Check position and trajectory under fluoroscopy.

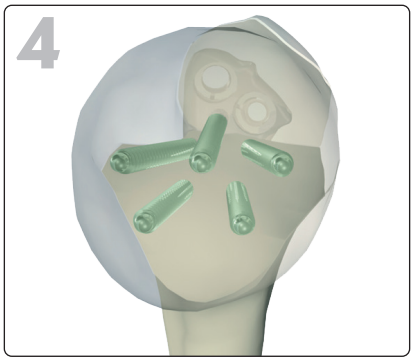
Remove the reductor and then drill using the Ø3.5 mm drill bit (ANC132) through the drill guide (ANC131). Determine the screw length directly at the rear of the drill guide (ANC131), or with the length gauge (ANC129). Insert the first Ø4.5 mm locking screw (PT4.5Lxx).


ANC131







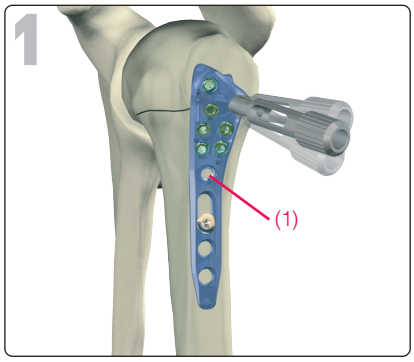


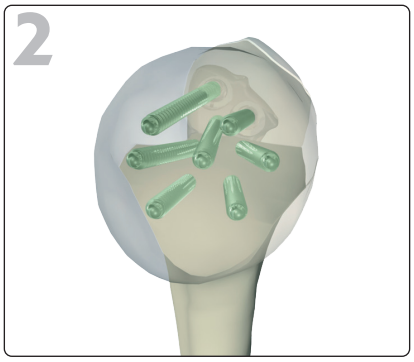
FIXED-ANGLE DIVERGENT SCREWS

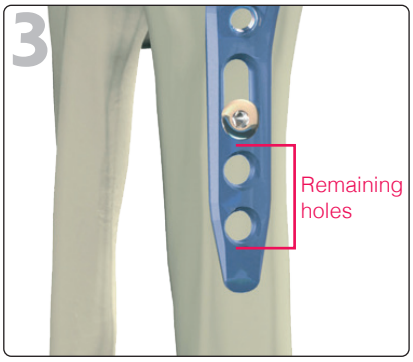
Use the Ø3.5 mm drill (ANC132) and drill guide (ANC131) in the 4 remaining monoaxial holes. Insert 4 divergent Ø4.5 mm fixed-angle screws (PT4.5Lxx).

PROXIMAL HUMERUS PLATE (PAGE 3/3)

OSTEOSYNTHESIS PROCEDURE





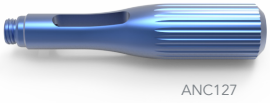


POLYAXIAL LOCKING SCREWS

Orientate and lock the first 2 proximal screws and the first metaphyseal screw[(1)] according to the fracture pattern, using the Ø3.5 mm drill guide (ANC131).

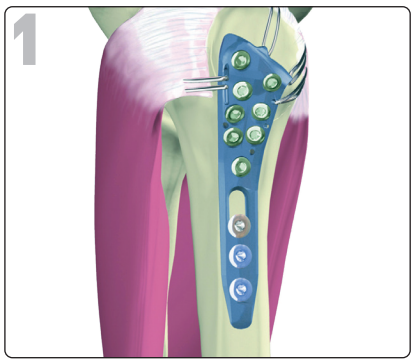
As the highest bone density is located in the inferior quadrants, every attempt should be made to keep the screws descending.

For the remaining holes, use the Ø3.5 mm drill guide (ANC127) and place the remaining distal, non-locking (CT4.5Lxx) or locking (VT4.5Lxx) screws at the surgeon's discretion.

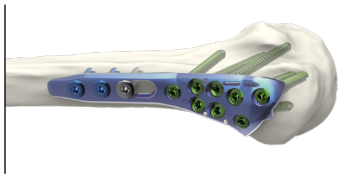


ANC127

SUTURE OF THE TUBEROSITIES



FINAL RESULT.



Repair and fasten the tuberosity to the plate through the suture holes.

Assess the final reduction under fluoroscopy.

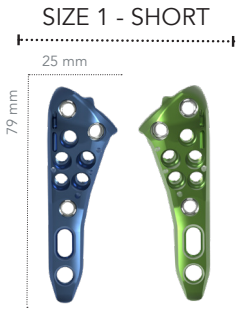
Suture holes for soft tissue fixation are compatible with Ø2.0 mm needles.

Implant references.

Alians Proximal Humerus plates

Ref.	Description
STGPSS1	Proximal humerus plate - Left - Size 1 - Short
STDPSS1	Proximal humerus plate - Right - Size 1 - Short
STGPS1	Proximal humerus plate - Left - Size 1
STDPS1	Proximal humerus plate - Right - Size 1
STGPS2	Proximal humerus plate - Left - Size 2
STDPS2	Proximal humerus plate - Right - Size 2
STGPS3	Proximal humerus plate - Left - Size 3
STDPS3	Proximal humerus plate - Right - Size 3
STGPS4-ST*	Proximal humerus plate - Left - Size 4 - STERILE
STDPS4-ST*	Proximal humerus plate - Right - Size 4 - STERILE
STGPS5-ST*	Proximal humerus plate - Left - Size 5 - STERILE
STDPS5-ST*	Proximal humerus plate - Right - Size 5 - STERILE

* Only available in sterile version on demand.



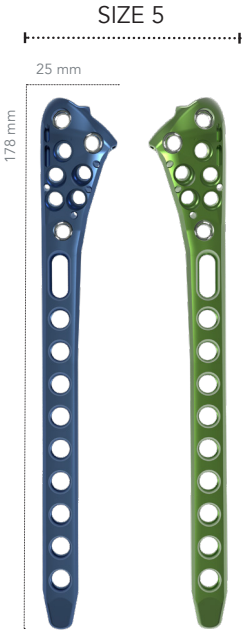
STxPSS1

STxPS1

STxPS2

STxPS3

STxPS4

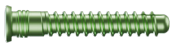


STxPS5

Ø4.5mm DTS® screws*

Ref.	Description
PT4.5L26 to PT4.5L60	Ø4.5 mm DTS locking screw - L26 to 60 mm (2mm increments)

*Green anodized



Ø4.5mm non-locking screws*

Ref.	Description
CT4.5L20 to CT4.5L40	Ø4.5 mm non-locking screw - L20 to 40 mm (2mm increments)

*Not anodized

Ø4.5mm lag screws*(1)

Ref.	Description
QT4.5L32 to QT4.5L44	Ø4.5 mm lag screw - L32 to 44 mm (4mm increments)

*Golden yellow anodized

(1)Only used in intraoperative situation for reduction before the insertion of a locking screw (PT4.5Lxx).

Ø4.5mm locking cortical screws*

Ref.	Description
VT4.5L20 to VT4.5L40	Ø4.5 mm locking cortical screw - L20 to 40 mm (2mm increments)

*Blue anodized

REMOVAL KIT

If you have to remove Alians Proximal Humerus implants, make sure to order the Newclip Technics removal set, which includes the following instrument:

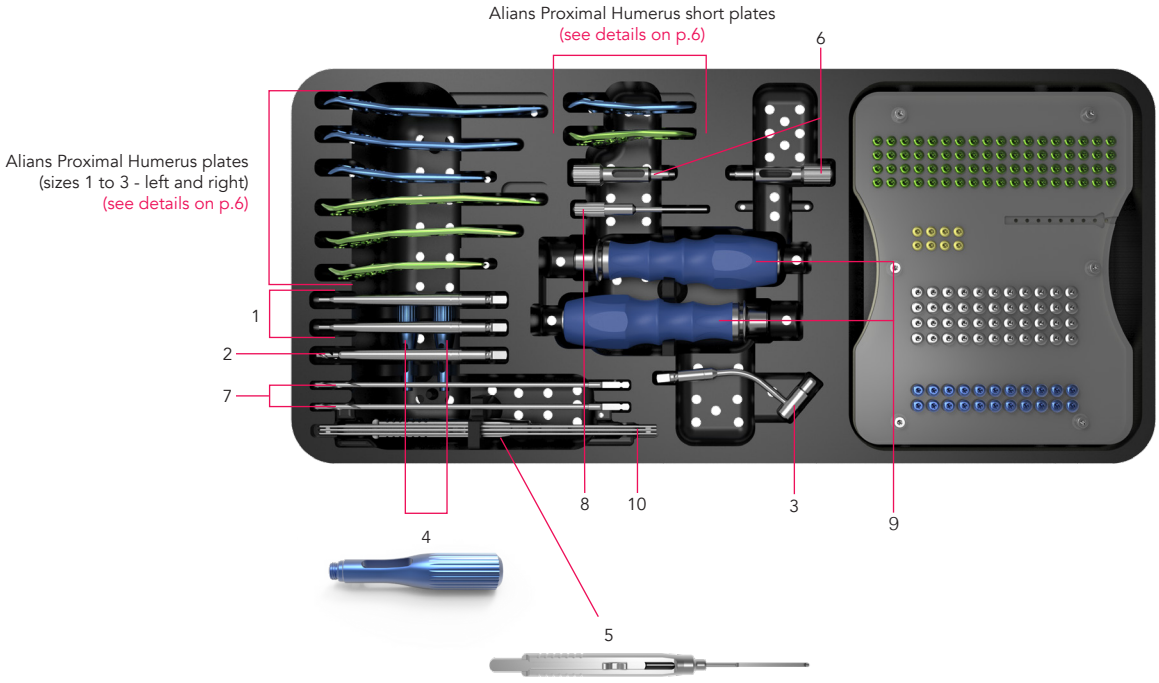
- ANC119-US: 3.0 mm quick coupling hexagonal screwdriver for Ø4.5 mm screws
- ANC352: Ø6 mm US quick coupling handle
- ANC042: Mini set - Base

To remove any of the Alians Proximal Humerus plates, first loosen all the screws without completely removing them (this prevents rotation of the plate when removing the last screw). Finally, completely remove all screws and the plate.

Instrument references.

#	Ref.	Description	Qty
1	ANC119-US	3.0 mm quick coupling hexagonal prehensor screwdriver	2
2	ANC120-US	Ø4.2 mm countersink with US quick coupling system	1
3	ANC121-US	Ø3.5 mm drill guide with US quick coupling system	1
4	ANC127	Ø3.5 mm drill guide for Ø4.5 mm screws	2
5	ANC129	Length gauge for Ø4.5 mm screws	1
6	ANC131	Ø3.5 mm drill guide for DTS® screws	2

#	Ref.	Description	Qty
7	ANC132	Ø3.5 mm quick coupling drill bit - L195 mm	2
8	ANC147	Reductor of drill guide DTS Shoulder for Ø2.0 mm pin	1
9	ANC352	Ø6 mm US quick coupling handle	2
10	33.0220.210	Pin Ø2.0 L210 mm	3



Compatible with patient-specific cutting guides (PSI)

Please contact your NEWCLIP TECHNICS representative if you have any questions about the availability of NEWCLIP TECHNICS products in your area.

PSI options

Ref.	Description
ANC042	Mini set - Base
ANC132	Ø3.5 mm quick coupling drill bit - L195 mm
ANC956	Patient specific wedge
ANC1132	Patient specific cutting guide for proximal humerus
ANC1134	Patient specific cutting guide for iliac graft
ANC1135	Patient specific cutting guide for synthetic graft
ANC1184	Patient specific cutting guide for femoral head
ANC1224	Patient specific realignment guide
33.0220.210	Pin Ø2.0 - L210 mm

Container references.

Ref.	Description
ANC133/B	Alians Shoulder set - Base
ANC133/C/NCT	Alians Shoulder set - Lid
ANC133/R	Alians Shoulder set - Screw rack
ANC042	Mini set - Base
ANC042/CB	Mini set - Cambered lid

This information is intended to demonstrate the Newclip Technics portfolio of medical devices. Always refer to the package insert, product label and/or user instructions including cleaning and sterilization before using any Newclip Technics product. These products must be handled and/or implanted by trained and qualified staff who have read the instructions before use. A surgeon must always rely on her or his own professional clinical judgement when deciding whether to use a particular product when treating a particular patient. 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. Manufacturer : Newclip Technics – Brochure - EN – ALIANS PROXIMAL HUMERUS – ED18 – 01/2026 - Medical device EC: class IIb – CE1639 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 pictures.
Newclip Technics - 45 rue des Garottières - 44115 Haute Goulaine, France. Our subsidiaries: Newclip USA - Newclip Australia - Newclip GMBH - Newclip Japan - Newclip Iberia - Newclip Belgium - Newclip Italia

newcliptechnics.com