

ACTIVMOTION

LATERAL OPENING WEDGE

DISTAL FEMORAL OSTEOTOMY



NEWCLIP
TECHNICS

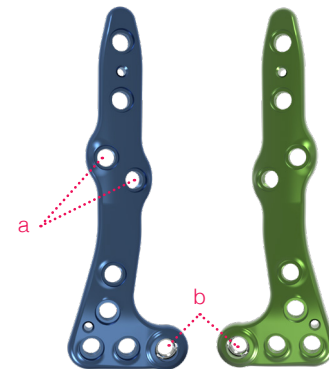
► **Indication:** The Activmotion range is intended for knee osteotomy in adults.

Contra-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

- **Anatomic asymmetrical implant** (green anodized for right plate and blue anodized for left plate),
- 2 offset screw holes above the osteotomy site improving the mechanical features of the assembly and preventing loss of angular correction (a),
- 8 **monoaxial locking screws** (Oneclip®),
- 1 **polyaxial locking screw** (DTS®) allowing to avoid the intercondylar notch, if necessary (b). Possible angulation of the screw before locking (25° locking range) thanks to the DTS® system.



REFERENCES

ACTIVMOTION INSTRUMENTS

Ref.	Description	Qty
ANC024	Handle for metallic wedge and cutting guide	2
ANC119-SK	3.0 mm quick coupling hexagonal non prehensor screwdriver	2
ANC120-US	Ø4.2 mm countersink with US quick coupling system	1
ANC210	Length gauge for Ø4.5 mm screws	1
ANC211	Ø4.0 mm quick coupling drill bit	2
ANC212	Ø4.0 mm DTS Trauma drill guide	2
ANC235	HTO Meary pliers	1
ANC240	Pliers for bending ACTIV plates	2
ANC312	3.0 mm quick coupling hexagonal screwdriver	1
ANC352	Ø6 mm US quick coupling handle	2
ANC785	Ø2.2 mm pin guide	1
33.0222.150	Pin Ø2.2 L150 mm	3

LATERAL OPENING WEDGE DFO PLATE

Ref.	Description
JATDL1-ST	Lateral opening wedge DFO plate - Right - Size 1 - STERILE
JATGL1-ST	Lateral opening wedge DFO plate - Left - Size 1 - STERILE

Ø4.5 MM SCREWS

Ref.	Description
ST4.5Lxx-ST	DTS® self-tapping screw - Ø4.5 mm - STERILE From L30 mm to L90 mm (5 mm increments)

METALLIC WEDGE FOR KNEE OSTEOTOMY

Ref.	Description	Qty
ANC019	Metallic wedge for knee osteotomy - 6 mm high	1
ANC020	Metallic wedge for knee osteotomy - 8 mm high	1
ANC021	Metallic wedge for knee osteotomy - 10 mm high	1
ANC022	Metallic wedge for knee osteotomy - 12 mm high	1
ANC023	Metallic wedge for knee osteotomy - 14 mm high	1
ANC025	Metallic wedge for knee osteotomy - 16 mm high	1
ANC860	Metallic wedge for knee osteotomy - 18 mm high	1

REMOVAL SET

If you have to remove ACTIVMOTION implants, make sure to order the **Newclip Technics removal set** which includes the following instruments:

- ANC119-SK: 3.0 mm quick coupling hexagonal non prehensor screwdriver,
- ANC312: 3.0 mm quick coupling hexagonal screwdriver,
- ANC352: Ø6 mm US quick coupling handle.

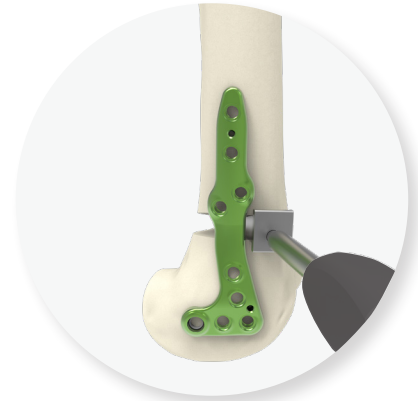
SURGICAL TECHNIQUE



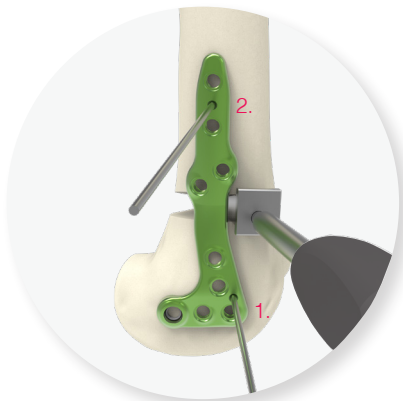
1. Perform the osteotomy using an oscillating saw: the cut starts 30 mm from the insertion of the lateral collateral ligament and ends at around 10 mm from medial cortex.



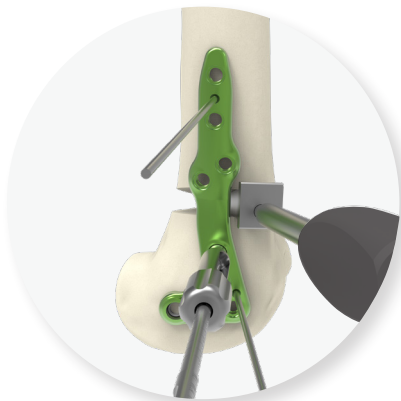
2. Insert wedges of increasing size until reaching the appropriate correction while maintaining the lateral surface of the femur. Once the appropriate wedge has been inserted, the angular correction is maintained during osteosynthesis.



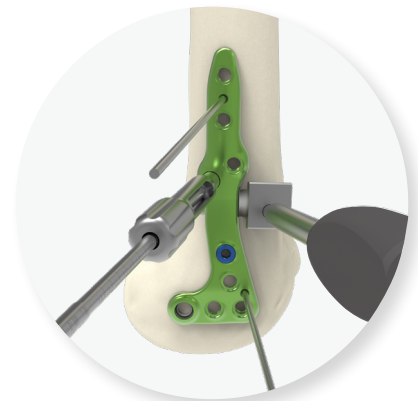
3. Position the plate onto the lateral surface of the distal femur. The polyaxial hole must be positioned at the level of the insertion of the lateral collateral ligament.



4. Stabilize the plate using the pins (33.0222.150). Insert the first pin (33.0222.150) on the distal part (1). Then insert the second pin (33.0222.150) on the proximal part (2) so that the plate is placed alongside the femoral diaphysis.



5. Lock the first Ø4.0 drill guide (ANC212) in the hole under the osteotomy cut, then start drilling using the Ø4.0 mm drill bit (ANC211). To ease the insertion of the Ø4.5 mm screws, use the countersink (ANC120-US) to widen the first cortex previously drilled. If the insertion of the screw is difficult, remove the screw, countersink, and insert again the screw. Then, insert the Ø4.5 mm screw using the screwdriver (ANC119-SK). The final tightening of the screws must be performed by hand.



6. Proceed similarly for the insertion of a Ø4.5 mm screw into the hole situated above the osteotomy cut. Then remove the 2 pins (33.0222.150).



7. Lock the Ø4.0 mm drill guide (ANC212) in the polyaxial hole. Adjust the drilling direction in order to avoid the intercondylar notch. Start drilling using the Ø4.0 mm drill bit (ANC211). To ease the insertion of the Ø4.5 mm screw, use the countersink (ANC120-US) to widen the first cortex previously drilled. Then, insert the Ø4.5 mm screw using the screwdriver (ANC119-SK).



8. Repeat previous steps to insert the remaining Ø4.5 mm screws.

The construct is complete when the metallic wedge is removed.



Final Result

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.

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