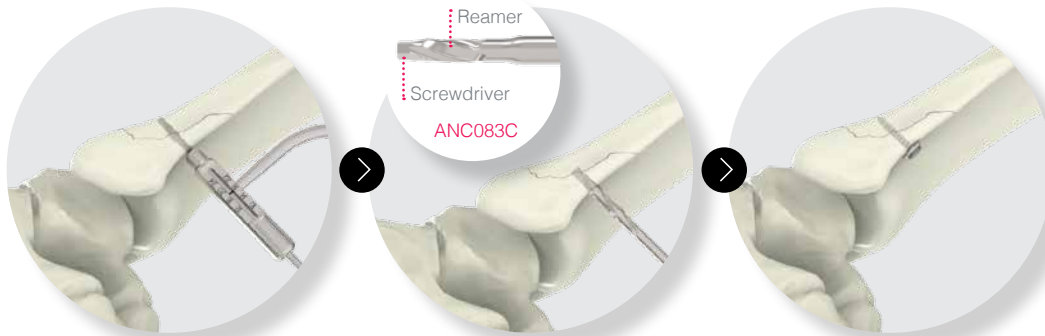


SURGICAL TECHNIQUE

PLACEMENT OF THE LATERAL PLATE

→ PRELIMINARY REDUCTION OF THE FRACTURE WITH A SCREW



Remark:

As an osteosynthesis screw used alone cannot bear weight and resist shear stresses, a plate should be used to allow early mobilization.

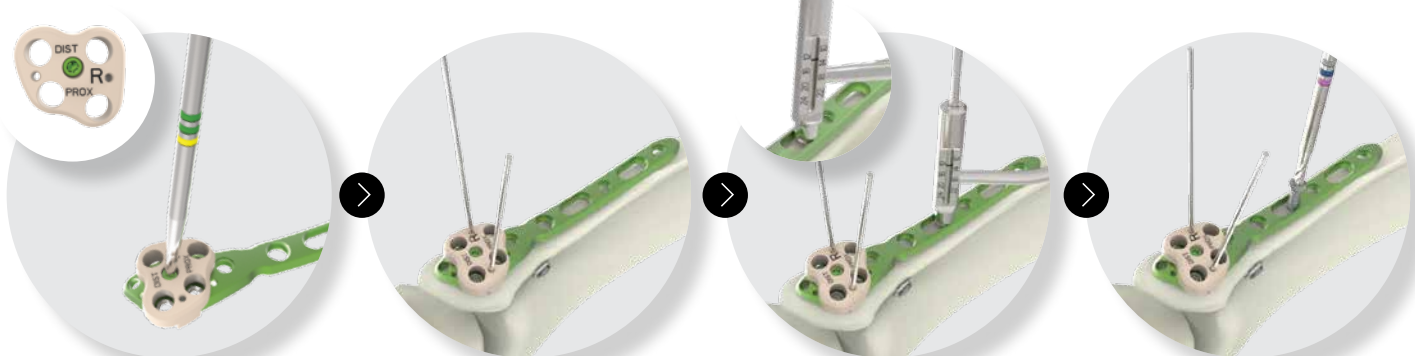
1. Reduce and temporarily maintain the fracture with bone reduction forceps (ANC504), making sure not to hinder the subsequent positioning of the screw. Drill with the Ø2.7 mm drill bit (ANC089C) using the guide gauge¹ (ANC191). The drilling should be perpendicular to the line of fracture.

2. When a lag effect is desired, over-drill the anterior cortex only by using the Ø3.5 mm drill bit (ANC542) according to the allowed compression principles. To simplify the procedure, it is also possible to use the reamer part of the 2-in-1 instrument (ANC083C).

3. Insert the Ø3.5 mm cortical screw (CT3.5Lxx) through the line of fracture using the screwdriver part of the 2-in-1 instrument (ANC083C). In the case of osteoporotic bone, a compression washer (WASH-T4) can be added under the screw head so as to obtain optimized compression.

(1) The screw length can be directly read on the guide gauge. Always ensure that the guide gauge sits flush against the bone surface.

→ PLACEMENT OF THE PLATE

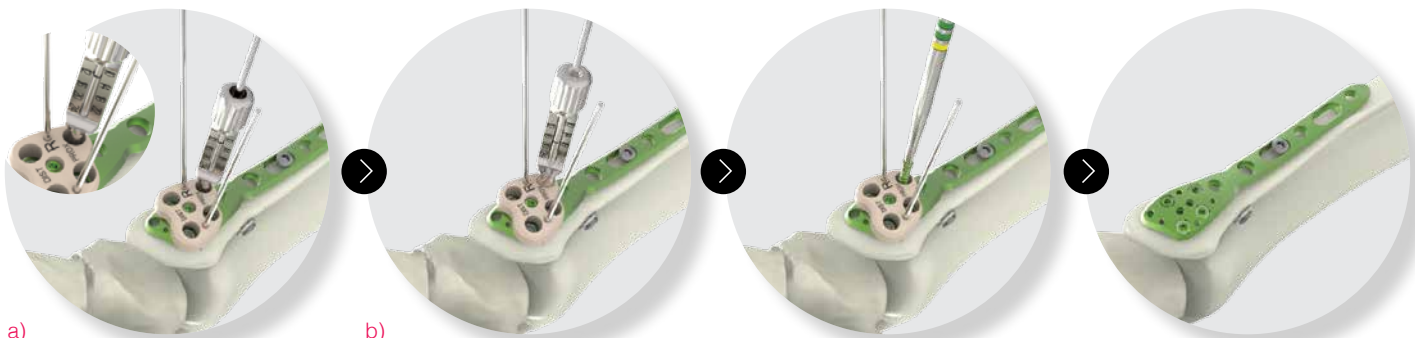


4. Check the positioning of the fast guide thanks to the 'DISTAL' and 'PROXIMAL' marks. Lock the fast guide onto the plate with the screwdriver (ANC082E).

5. The plate can be temporarily held in position with pins.

6. Drill (ANC089C) using the guide gauge (ANC191). The screw length can be directly read on the guide gauge.

7. Insert a Ø3.5 mm cortical screw (CT3.5Lxx) into the oblong hole with 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.



8. For the epiphyseal fixation, drill using the threaded guide gauge (ANC268C) for polyaxial fixation (a) or the non-threaded guide gauge (ANC046C) for monoaxial fixation (b) through the pre-angled fast guide. The screw length can be directly read on the guide gauge. For the monoaxial distal hole, drill (ANC088C) using the threaded guide gauge (ANC268C).

9. Insert a Ø2.8 mm locking screw (SDT2.8Lxx) through the fast guide using the screwdriver (ANC082E).

10. Repeat the whole procedure to insert the remaining distal Ø2.8 mm locking screws (SDT2.8Lxx) and remove the fast guide.

SURGICAL TECHNIQUE



11. For the diaphyseal fixation, drill using the guide gauge (ANC186) and insert the Ø3.5 mm locking screws (SOT3.5Lxx). For the Ø3.5 mm cortical screws (CT3.5Lxx) insertion, repeat this procedure using the guide gauge (ANC191)².

NB: 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.

FINAL RESULT

Remark:

The fixation steps remain unchanged for Narrow (RTSL-Nx) or Posterolateral plates (RTxQ1).

(2) In the case of a bicortical fixation, the drilling depth can be checked on the length gauge (ANC124).

SYNDESMOSIS FIXATION



1. Drill (ANC256M) through the holes designed for syndesmosis screws using the guide gauge (ANC261M). The screw length can be directly read on the guide gauge.

2. Insert (ANC083C) a syndesmosis screw: Ø3.5 mm solid cortical screw (CT3.5Lxx) or Ø4.0 mm solid lag screw (QT4.0Lxx) into the appropriate oblong hole and/or standard hole designed for that purpose.

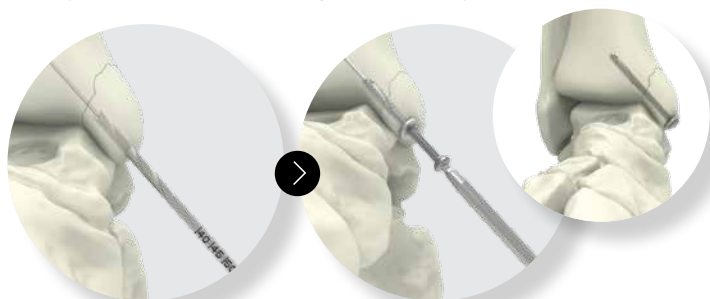
FINAL RESULT

Remark:

The syndesmosis screw must be removed (using the 'Safety Key' (ANC107)) once the syndesmosis has healed, usually after six to eight weeks.

MEDIAL MALLEOLUS FIXATION

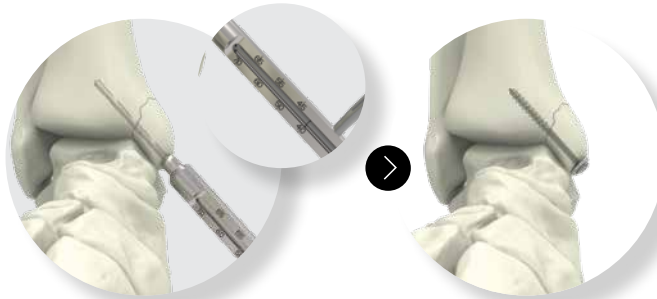
→ **OPTION 1: WITH A CANNULATED SCREW**
(Ø4.0 mm cannulated compressive screw)



1. Insert the guiding pin (33.0213.120). Then, introduce the Ø2.9 mm cannulated drill bit (ANC414M) onto the guiding pin and drill. Read the screw length on the drill bit.

2. Insert the Ø4.0 mm compressive cannulated screw (H1.4QT4.0Lxx) using the cannulated screwdriver (ANC388) then remove the pin.

→ **OPTION 2: WITH SOLID SCREW**
(Ø3.5 mm solid cortical screw / Ø4.0 mm solid lag screw)



1. Drill (ANC089C) using the guide gauge (ANC191). The screw length can be directly read on the guide gauge. Always ensure that the guide gauge sits flush against the bone surface.

2. Insert the Ø4.0 mm lag screw (QT4.0Lxx) or the Ø3.5 mm cortical screw (CT3.5Lxx) using the screwdriver part of the 2-in-1 instrument (ANC083C).

Remarks:

1. In the case of osteoporotic bone, add a compression washer (WASH-T4) under the screw head so as to obtain optimal compression (see above).
2. Follow the whole procedure for adding a second screw.