

BONEFIX LINEAR FIXATOR SYSTEM

SURGICAL TECHNIQUE



COVISION

medical technologies

1- Diaphyseal Fractures of the Femur

3 Schanz screws should be used for each clamp in order to ensure stability in femur at maximum level.

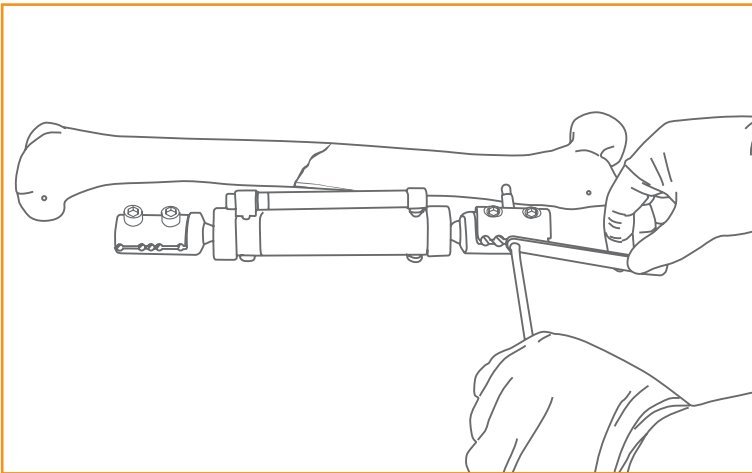


Figure 1:

When determining the place of the first screw, use the closest hole of the clamp to the fracture line. Through the hole, first pass the screw guide. Then using the trochar through the screw guide mark the bone for drilling.

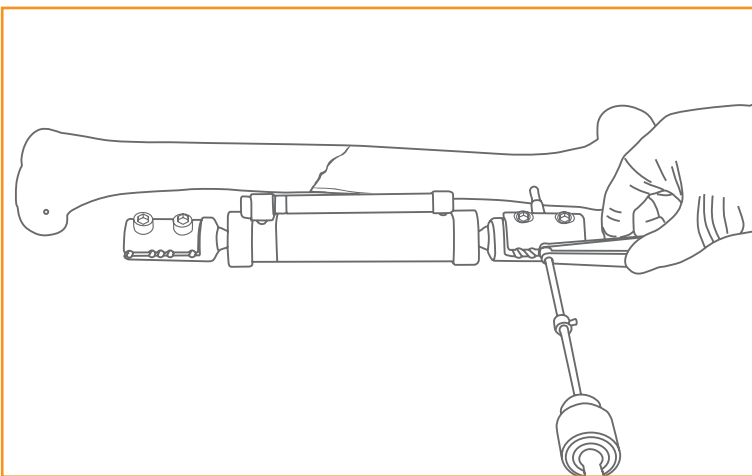


Figure 2:

Trochar is pulled through the screw guide, suitable drill guide is passed through the guide and the place for the first Schanz screw is opened.

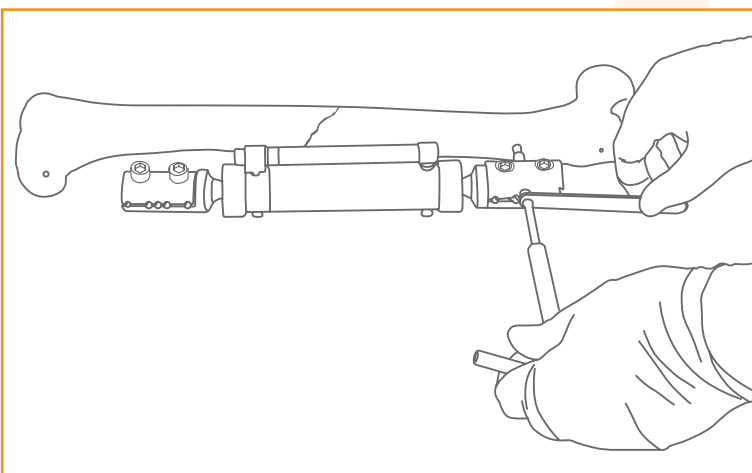


Figure 3:

Drill guide is pulled out and the suitable Schanz screw is sent to the bone through screw guide with the T-Handle. Attention should be paid that the tip of the Schanz screw should touch but not pass out of the cortex.

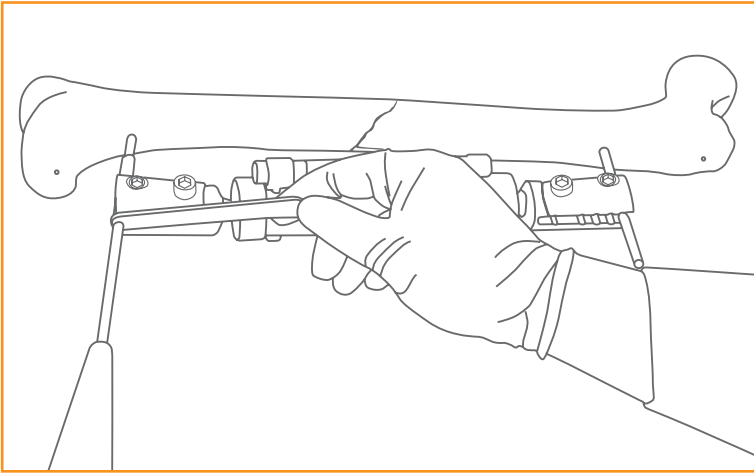


Figure 4:

When the other Schanz screws are sent for each clamp, the technique described before should be applied without any change.

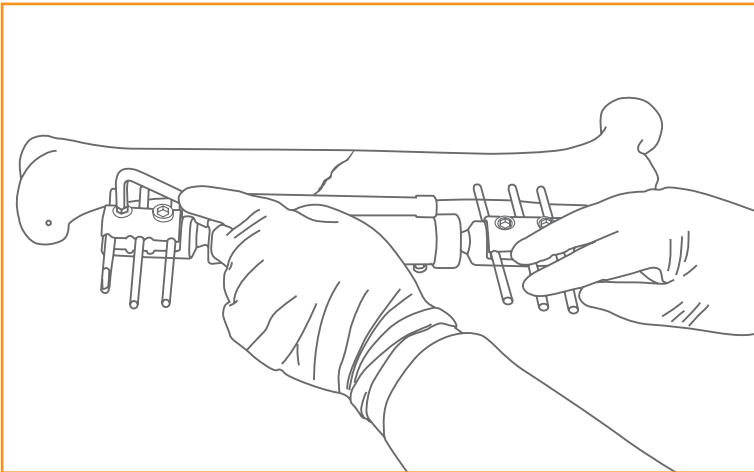


Figure 5:

The fixator should be placed at a distance of 1 cm from the surface of the skin since oedema may occur after the surgical operation. Locking screw on the fixing piece is tightened by using the Allen Wrench.

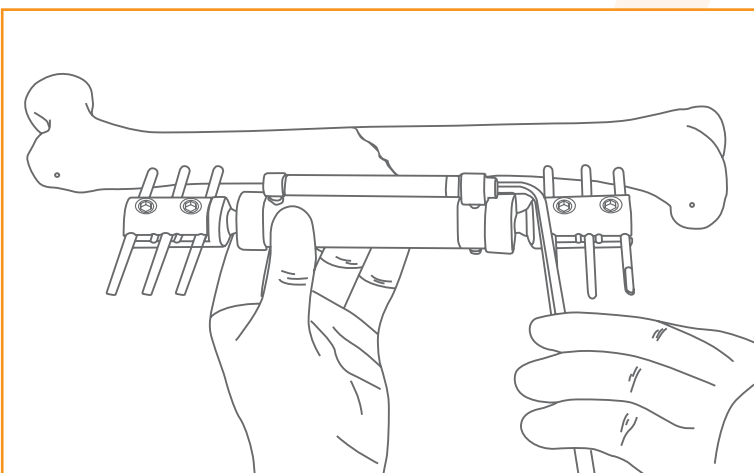


Figure 6:

In order to make the reduction stable the distraction rod is tightened by using the Allen Wrench.

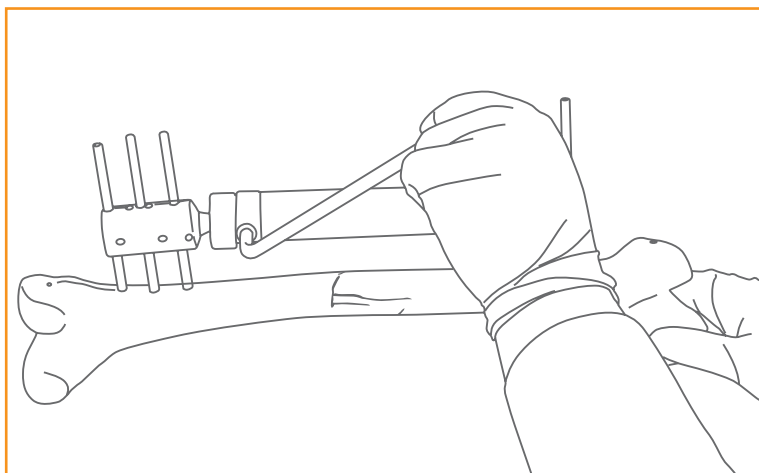


Figure 7:

In order to ensure compression or distraction, the screw placed on the back of the fixing piece should be tightened by using the Allen Wrench to ensure maximum stability.

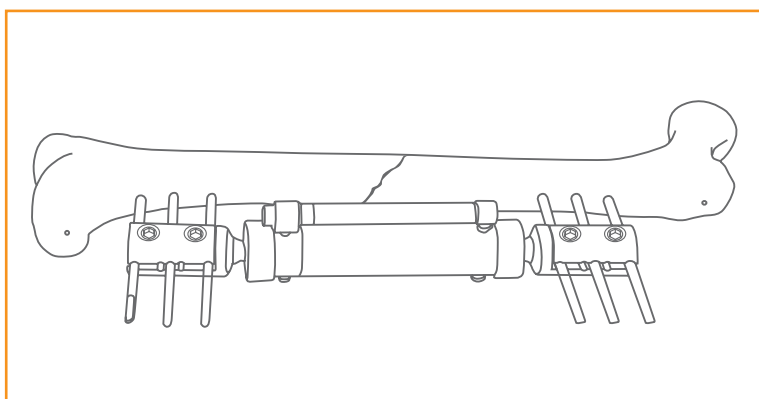
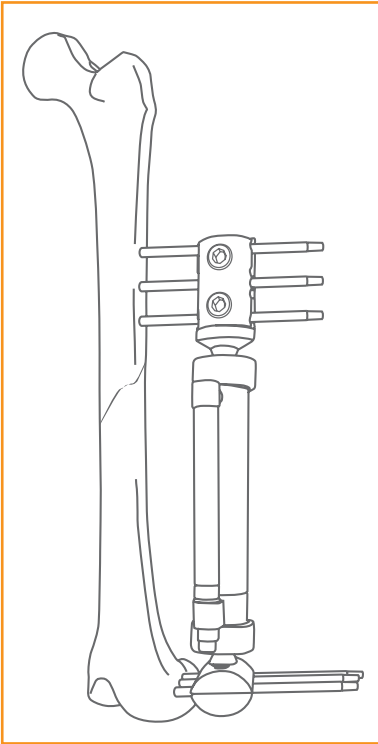


Figure 8:

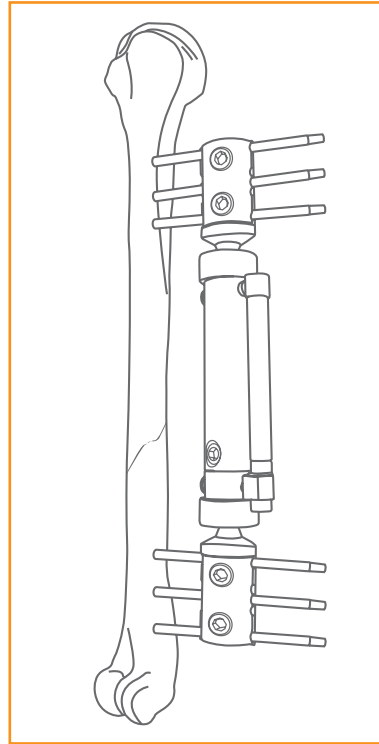
Control the final reduction.

2- Distal Femur Metaphyseal Fracture (T-clamp)



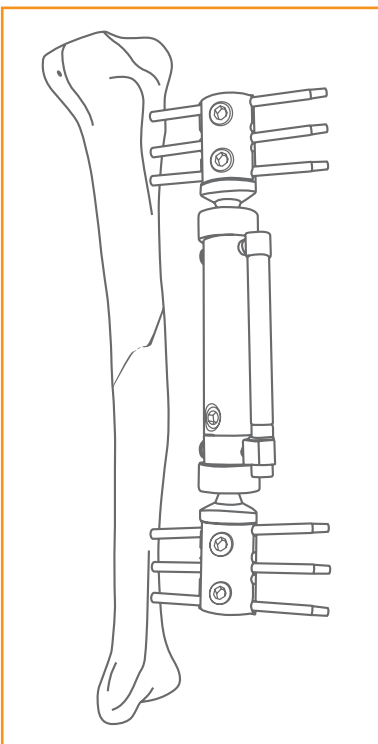
Place the T-clamp distally with the anterior pin 1 cm posterior to the anterior cortex and 1 cm proximal to the distal condyle.

3- Diaphyseal Fractures of the Humerus



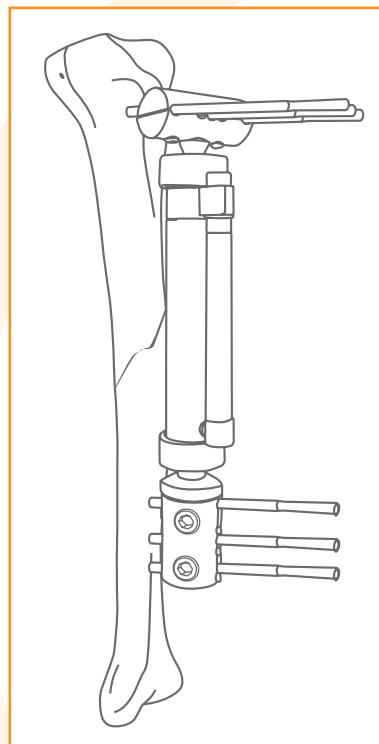
Place fixator laterally.

4- Diaphyseal Fractures of the Tibia



Place fixator along the anterior medial face of the tibia.

5- Proximal or Distal Tibia Metaphyseal Fracture (T-clamp)



Place the T-clamp proximally and anteromedially.



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