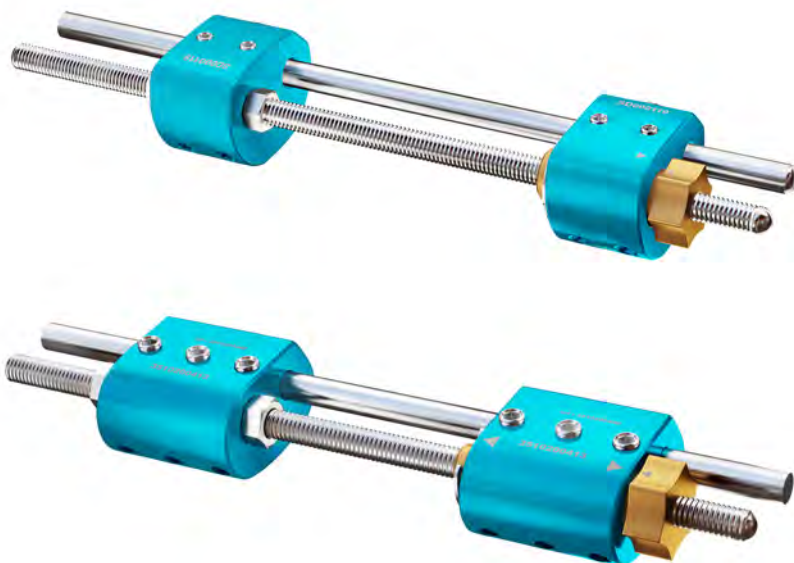


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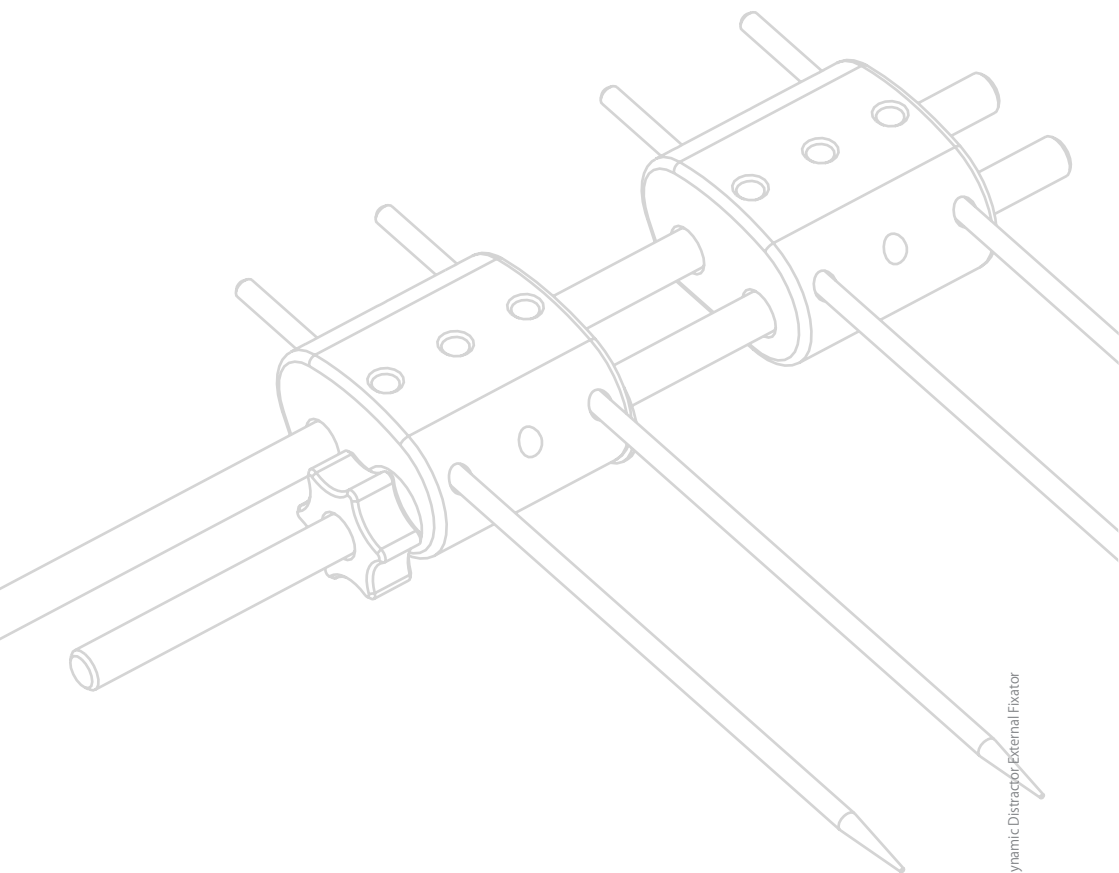
Dynamic Distractor External Fixator



## FIXODYN

Dynamic Distractor External Fixator

# Dynamic Distractor External Fixator



Dynamic Distractor External Fixator

## Information

Dynamic Distractor External Fixator is a medium-sized and small-sized external fixator. This device can be used for fingers, metacarpals, forearms, arms, and all long bones. It is designed for bone lengthening or joint distraction.

Other applications of this external fixator include treating open fractures, and conditions where internal fixation is not possible. This device is used externally and is indicated for bone lengthening and joint distraction.

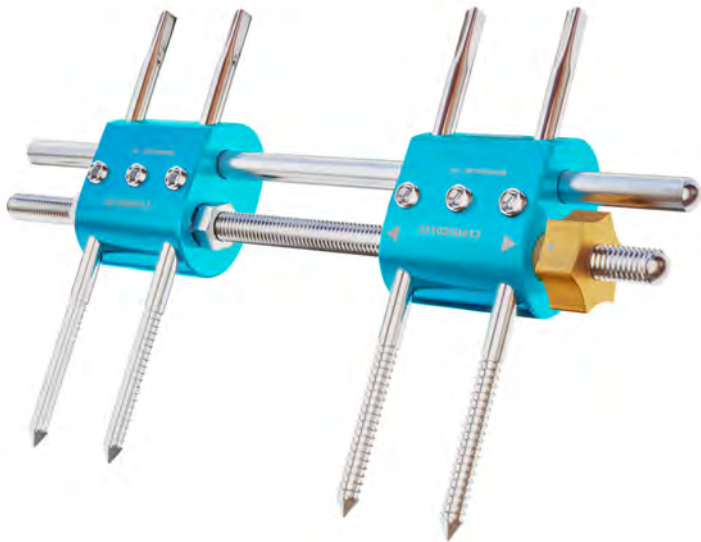
In summary, the product applications include:

- Bone lengthening and bone shortening
- Joint spanning, especially in old dislocations
- Treating open fractures and when internal fixation is impossible.



# Advantages

- User-friendly for both surgeon and patient
- Marked hand-operated distractor nut
- Low profile

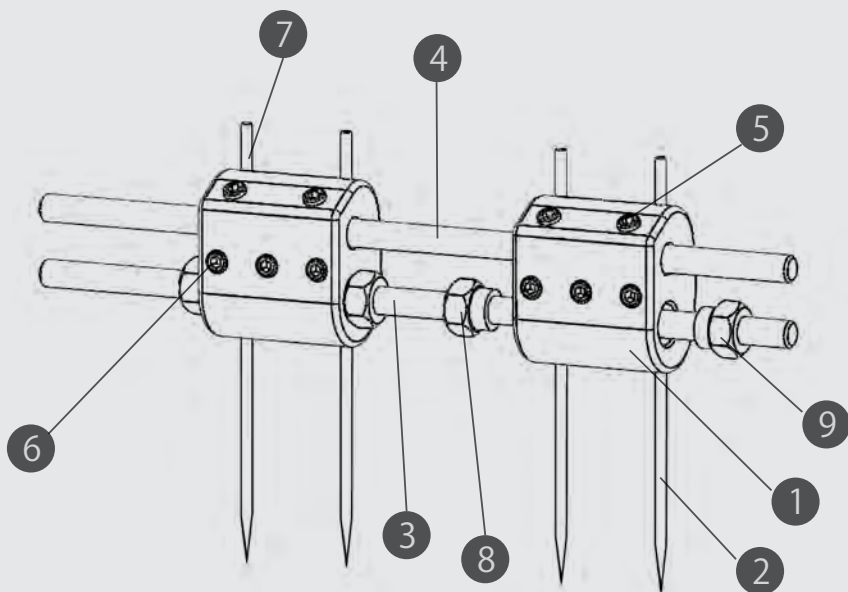


Dynamic Distractor External Fixator

# Tips and tricks

## Tips and tricks for application:

- It is mandatory to sterilize the External Fixator before surgery
- Four 2.5 x 150 mm Schanz screws, a perforator, and an insertion instrument set are necessary for the surgery
- Precautions for Schanz screw insertion, such as pre-drilling, are necessary
- Fluoroscopy is necessary to verify the operation

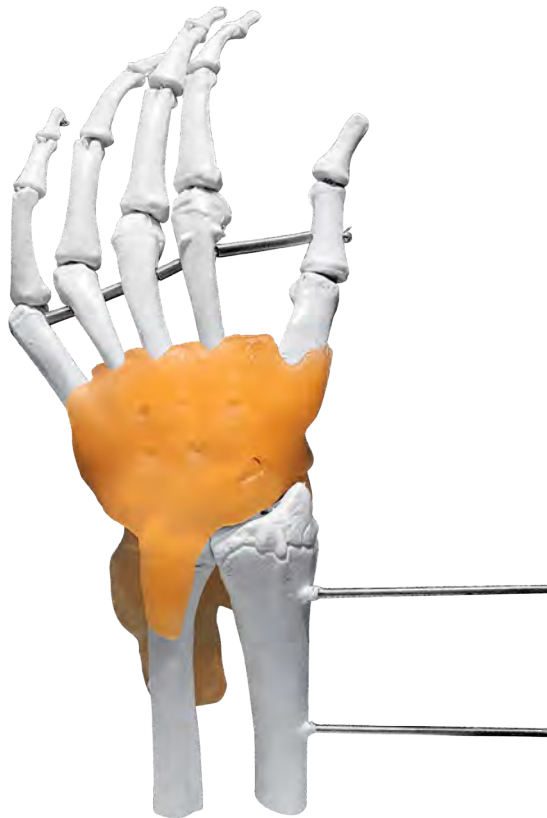


## Dynamic Distractor External Fixator components:

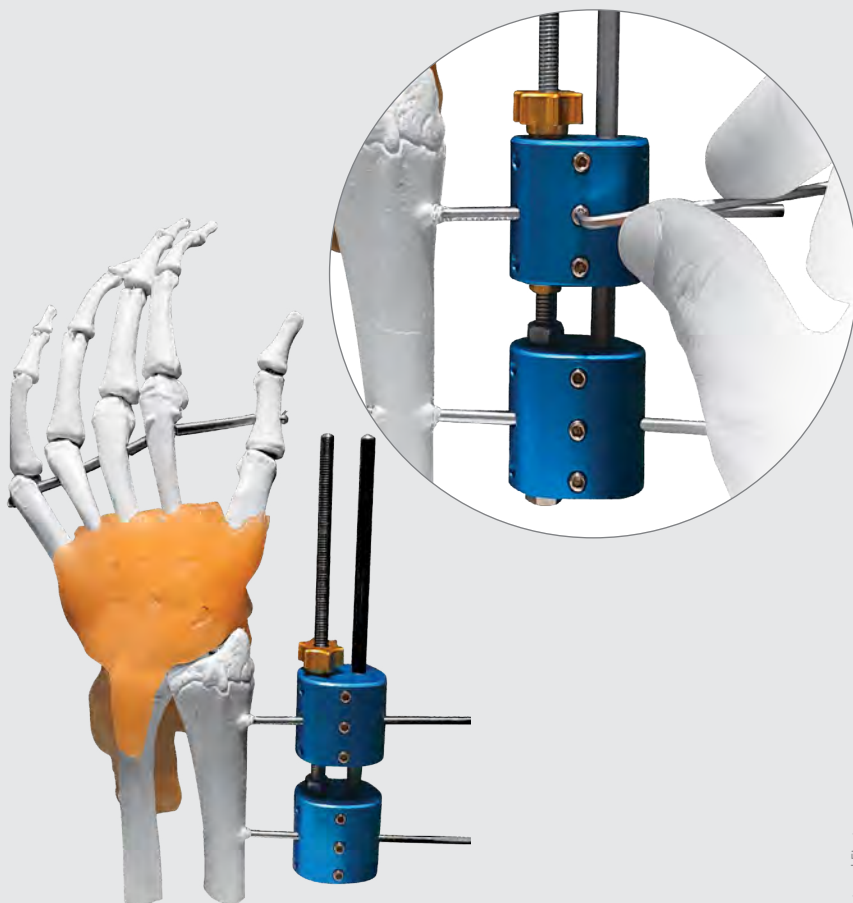
- |                         |                      |
|-------------------------|----------------------|
| 1. Clamp                | 6. Schanz set screw  |
| 2. Schanzes             | 7. Schanz Inlet hole |
| 3. Threaded rod         | 8. Distracting nut   |
| 4. Non-threaded rod     | 9. Clamp fixing nut  |
| 5. Non-threaded rod set |                      |

### Product placement:

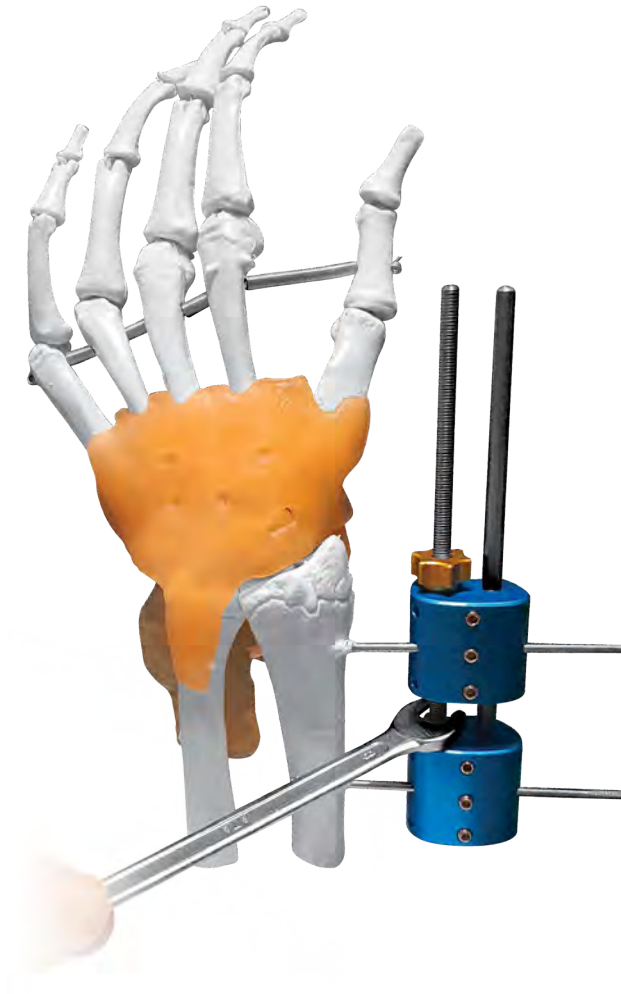
First, insert two Schanz screws parallel to each other, passing through both cortices at the shortest possible distance from the osteotomy site (approximately 2 cm away from the site of the osteotomy). This placement should affect both cortices.



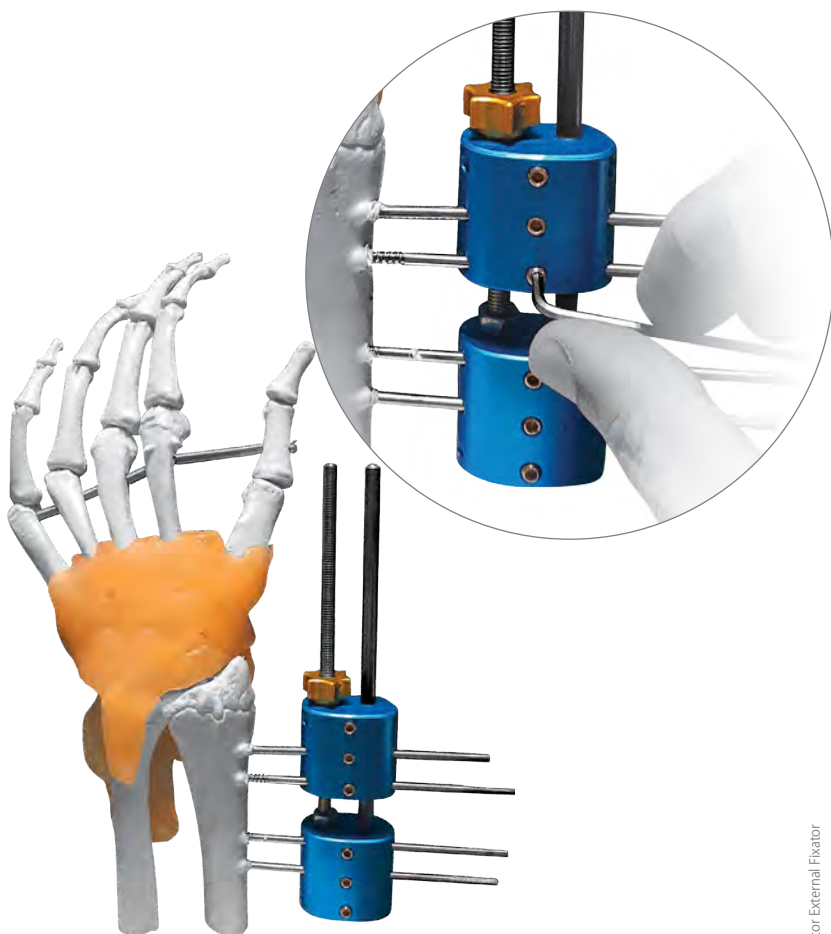
Insert the Schanz screws through the inner inlet of the distal and proximal clamps. Adjust the span between the two clamps using the distracting nut and clamp fixing nut. Secure the Schanz screws 2 cm from the skin using the Schanz set screws.



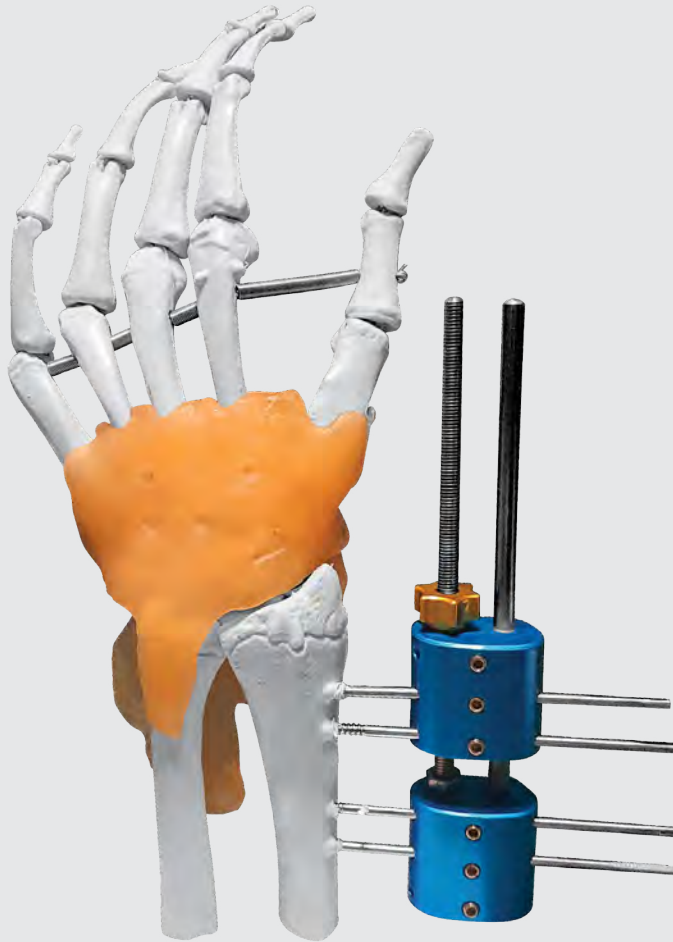
Tighten the nuts of the fix clamp.



With respect to the bone and the location of the osteotomy, add at least one additional Schanz screw to each clamp.



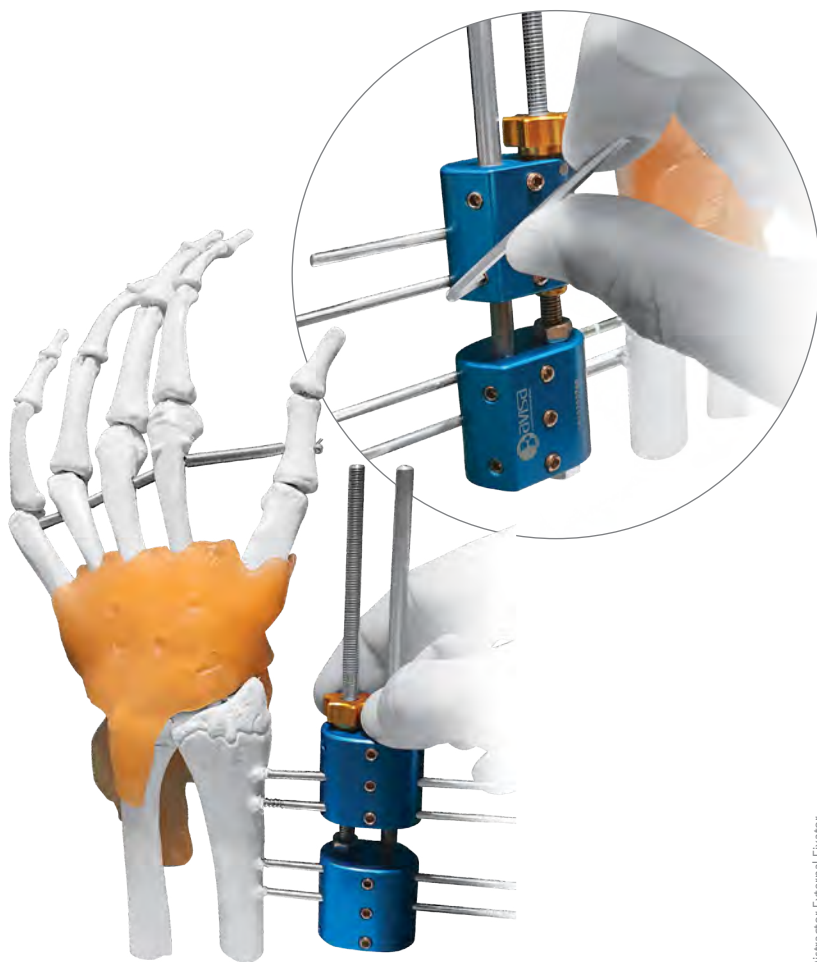
Then, perform the osteotomy

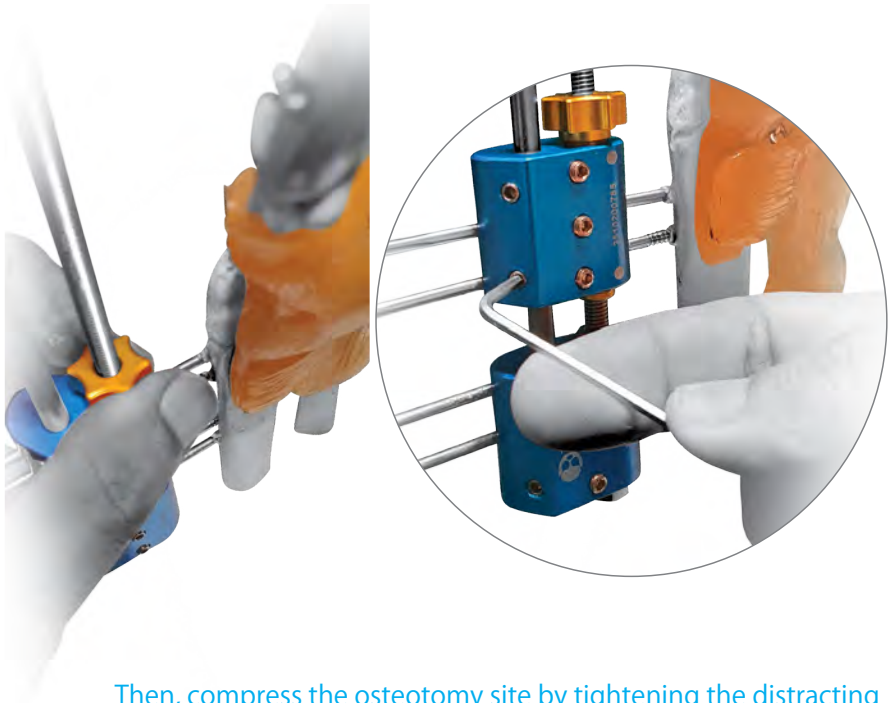


Dynamic Distractor External Fixator



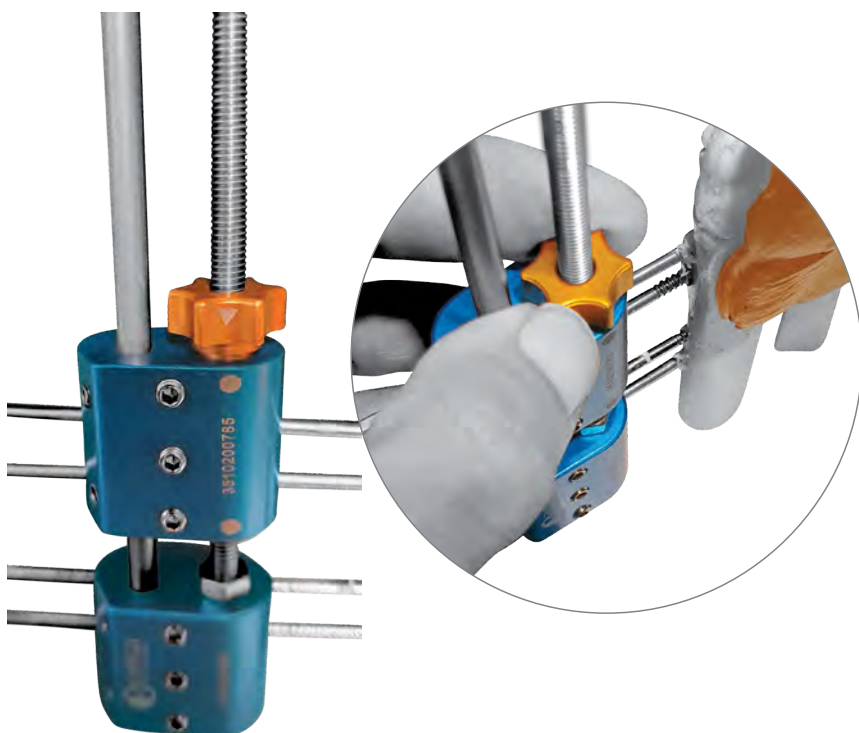
Loosen the clamp fixing nut a few turns, then tighten the distracting nut to ensure that the osteotomy site is distracting. One to two weeks after the osteotomy, for daily distraction, first loosen the non-threaded rod set screw.





Then, compress the osteotomy site by tightening the distracting nut. Afterward, tighten the non-threaded rod set screw. Tighten the non-threaded rod set screw and continue the above routine daily until optimal distraction is achieved.

Turn the distracting nut until the clamp marker and the distracting nut marker are aligned with each other.





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