

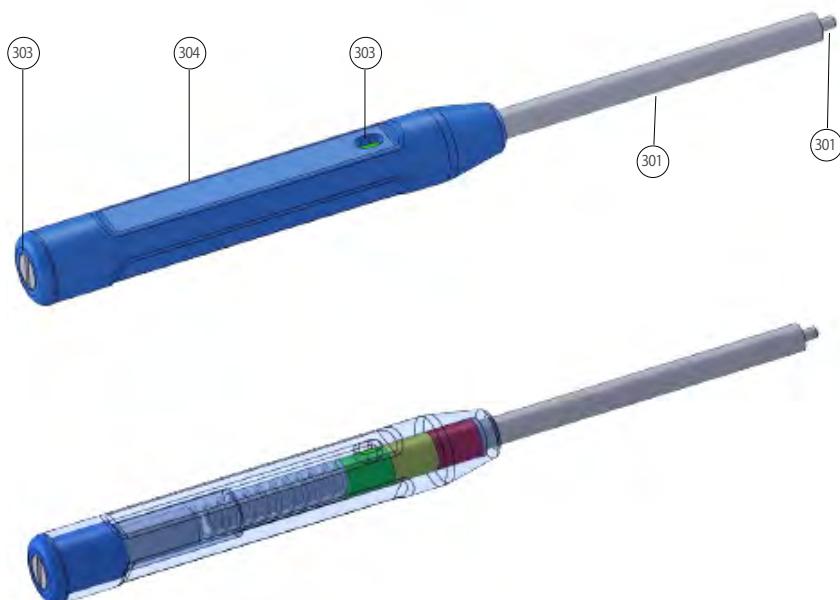
Dynamometer
Monitors the distraction force

- Over-distraction may result in increased tension over tendons, particularly extensor tendons, leading to stiffness and diminished fingers' range of motion.
- The Dynamometer for the Distal Radius Dynamic External Fixator enables us to control the amount of force applied and prevent over-distraction injuries.
- The surgeon confirms the appropriate amount of distraction force applied after the surgery, as well as during each patient's follow-up visit



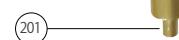
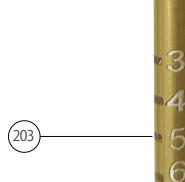
We have two types of tensioners: 1. Quantitatively scaled, which displays the exact force measurement, and 2. Color-scaled, with green, yellow, and red colors indicating increasing force levels, respectively. This type should be set to the yellow color, and if the force increases to the red color, it indicates over-distraction and a reduction in force is necessary.

- 301: Inserting head
- 302: Tension rod
- 303: Color Scale
- 304: Handle
- 305: Screw for adjustment

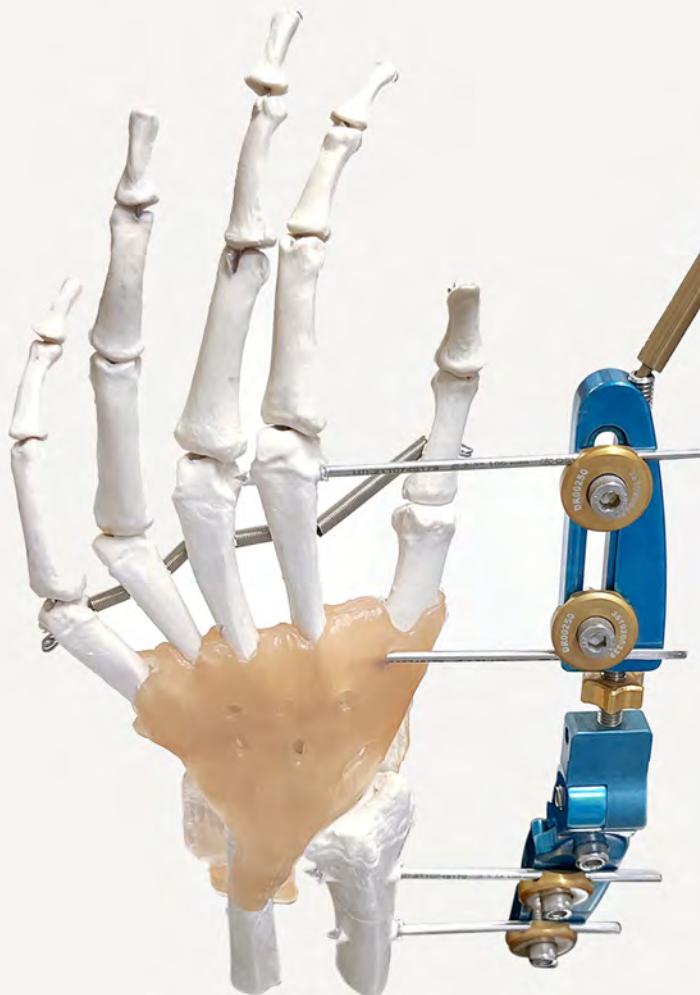




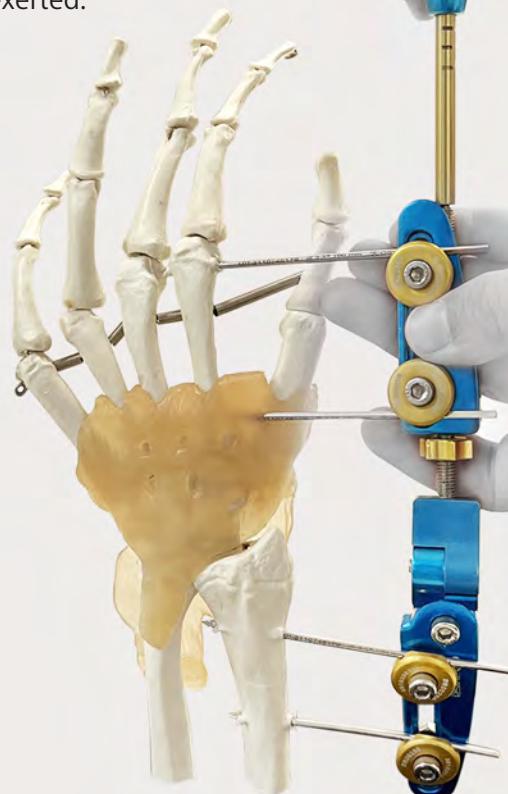
- 201: Inserting head
- 202: Tension rod
- 203: Numeric Scale
- 204: Handle
- 205: Screw for adjustment

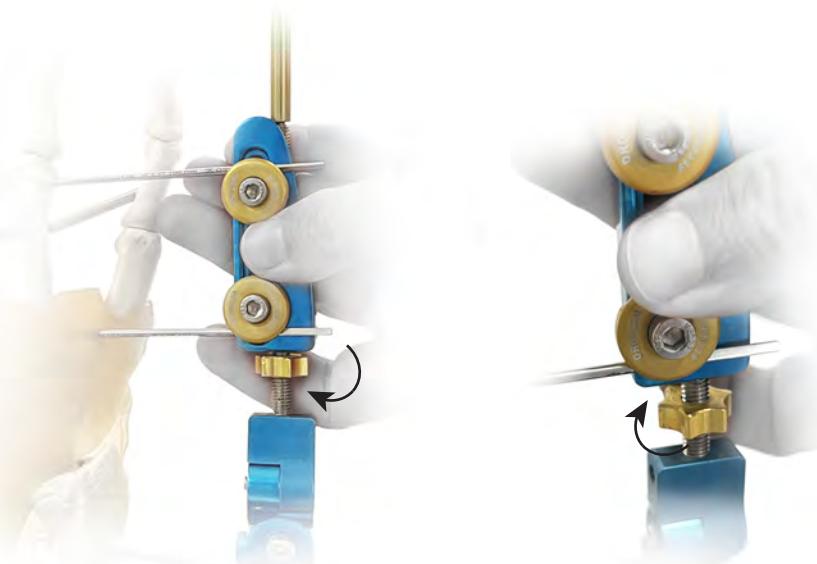


First, insert the tensioner head into the Distal Radius External Fixator rod hole and secure it.



While the tensioner is aligned with the external fixator rod, apply the appropriate force, typically between 2 to 3 kg. The tensioner is equipped with a scale, allowing us to monitor the force exerted.





Once you have reached and maintained the desired distraction force, we turn the nut clockwise, using our index finger to touch the proximal border of the metacarpal plate.

Finally, you can double-check and confirm the proper amount of force applied by gently moving the tensioner and turning the nut.



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