



Surgical Technique Manual

The ElbowLOC® Arm Positioning System

The world's first complete distal upper extremity positioning system

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The world's first complete distal upper extremity positioning system.

The ElbowLOC® Arm Positioning System is a surgeon-designed upper extremity positioning device specifically for surgery from the mid-humerus to the fingers in one self-contained sterile system. It's easy to assemble, intuitive to use, incredibly functional and durable.

The System offers the surgeon the choice of supine, lateral, or supine suspended positioning for elbow surgery as well as a wrist tower traction system for wrist and hand surgery.

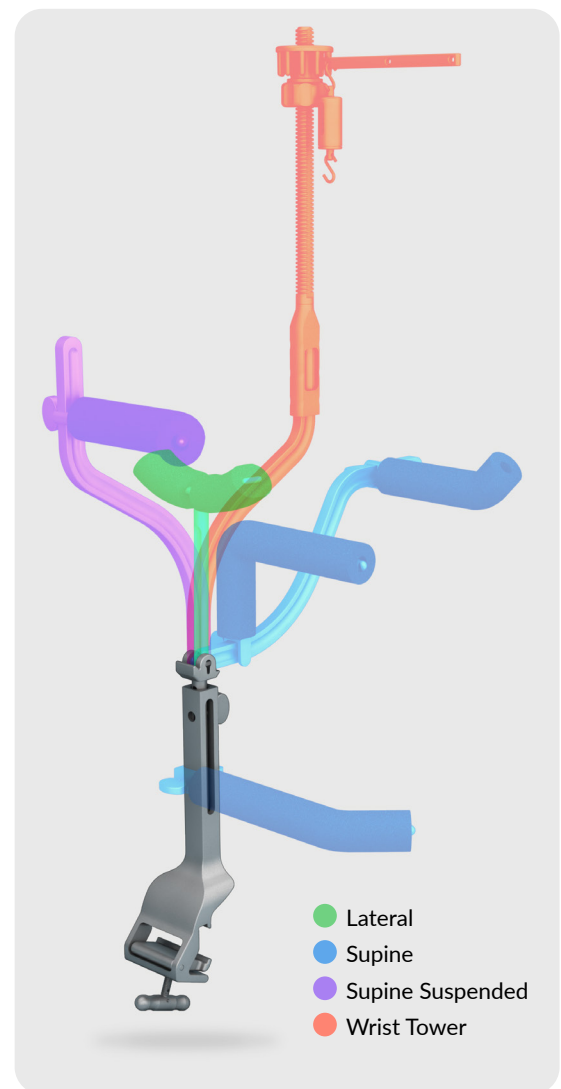
The ElbowLOC® Arm Positioning System meets all your distal upper extremity positioning needs including:

- Arthroscopy of the elbow and wrist
- Periarticular fractures about the elbow and wrist
- Distal humerus fractures
- Instability procedures of the elbow and wrist
- Ulna fractures proximal, diaphyseal, and distal
- Total elbow arthroplasty
- Ulnar nerve surgery
- Triceps repairs
- Olecranon bursa excisions
- And many more

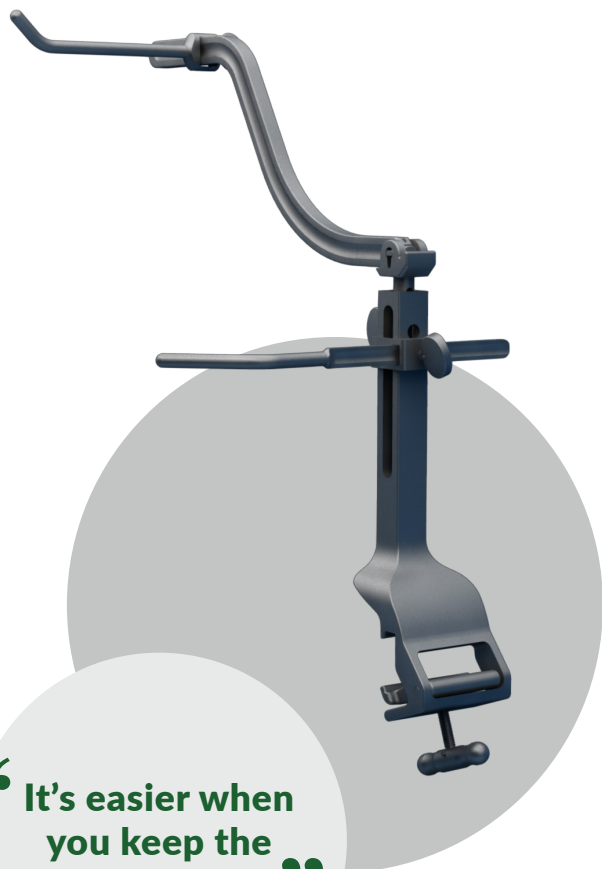
The ElbowLOC® Arm Positioning System Features:

- Entire four positioner system contained in one autoclavable case
- Intuitive to use and easy to assemble
- Supine, lateral, or supine suspended positioning for elbow surgery
- Rigid wrist tower fixation
- Enables surgical traction across the elbow or wrist
- Unhindered intraoperative elbow motion and forearm manipulation
- All assemblies applied sterile over drapes to standard OR table railing
- Sterile disposable field kits for elbow procedures
- Nylon double finger traps for wrist surgery
- Carbon fiber Surgical Hand Table custom designed for The ElbowLOC® Arm Positioning System

“Why not make surgery easier?”



The ElbowLOC® Supine Positioner Assembly Technique



“It’s easier when you keep the forearm free.”



1

Position the patient supine on the OR table with the shoulder of the operative arm slightly overhanging the lateral margin of the mattress. Prepare the arm in the usual sterile manner.



2

Secure the Base Support to the OR table railing just cephalad to the patient’s shoulder. Firmly tighten the “T” handle. Ensure the rail clamp is fully seated onto the railing and the Base Support fully vertical. Apply the disposable patient protector pads contained in The ElbowLOC® Arm Positioning System Sterile Field Kit onto the Humeral Support, Wrist Support, and Reducer/Distractor components.



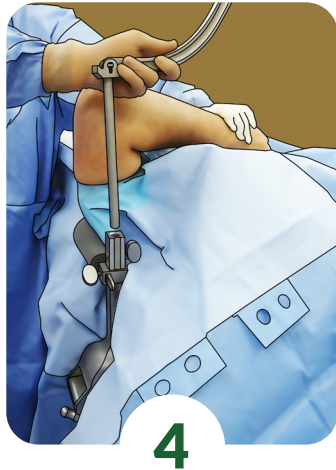
3

Load the Humeral Collet onto the Base Support and advance the Humeral Support into the Collet. Tighten the Collet locking screw at the desired width and height.

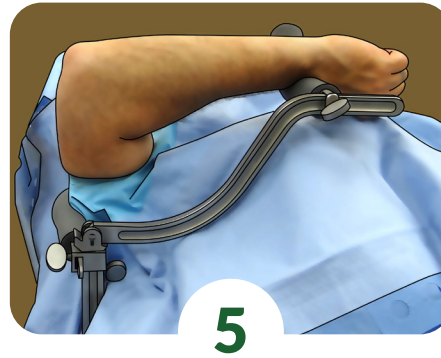
The ElbowLOC® Supine Positioner Assembly Technique (continued)

4 Positioners.
11 Components.
1 Case.

Incredible
functionality!



Load the Supine Positioner into the Base Support and firmly tighten the locking screw on the inner face of the Base Support at the desired Positioner height.



Slide the Wrist Support over the distal aspect of the Supine Positioner and secure at the desired position. Place the patient's wrist on the padded Support.



The Reducer/Distractor component may be applied to the concavity of the Supine Positioner and oriented as desired to provide countertraction to the distal humerus or proximal forearm as needed for fracture reduction or distraction. In taller patients, the Reducer/Distractor may also serve as an elevated Wrist Support.

Elbow joint extension is adjusted by changing the height of the Supine Positioner, via the thumbscrew on the inner face of the Base Support. Elbow hyperflexion is achieved by removing the patient's wrist from the Wrist Support, allowing it to rest on the patient's chest.

The foam strap included in The ElbowLOC® Arm Positioning System Sterile Field Kit may be passed through the slot in the exposed Supine Positioner base and wrapped around the humerus for further stability in taller patients. It may also be used to stabilize the patient's wrist to the Wrist Support at the surgeon's discretion.

Warning: Avoid fully disengaging the Supine or Lateral Positioner from the Base Support during a surgical procedure. The laser mark on the distal aspect of the Positioner posts can be seen through the window of the Base Support and serves as a warning to the surgeon for the upper limits of device height.

The ElbowLOC® Lateral Positioner Assembly Technique



Position and prepare the patient per your usual lateral decubitus routine.

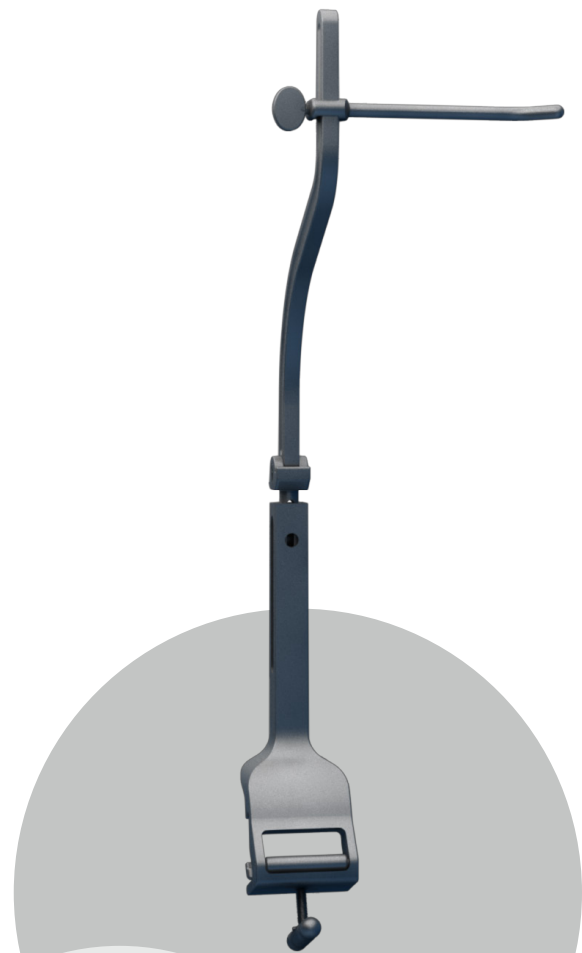
Secure the Base Support to the OR table railing at the level of the patient's operative shoulder. Apply the Sterile Field Kit patient protector pads to the arms of the Lateral Positioner and load it into the Base Support. Place the patient's arm into the padded cradle. Adjust Positioner height via the thumbscrew on the inner face of the Base Support. The foam strap included in the Sterile Field Kit may be used to further stabilize the humerus to the Lateral Positioner if desired.

Warning: Avoid fully disengaging the Supine or Lateral Positioner from the Base Support during a surgical procedure. The laser mark on the distal aspect of the Positioner posts can be seen through the window of the Base Support and serves as a warning to the surgeon for the upper limits of device height.



“Surgeon designed,
for Surgeons. Real,
practical innovation!”

The ElbowLOC® Supine Suspended Positioner Assembly Technique

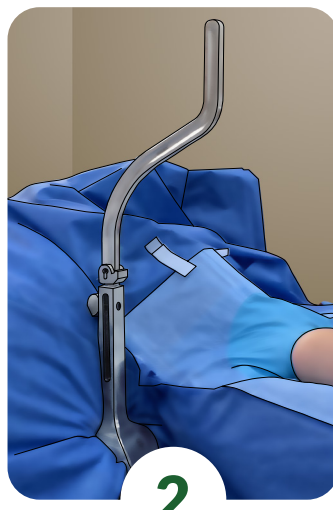


“The only positioning device you’ll ever need for the humerus to the hand.”

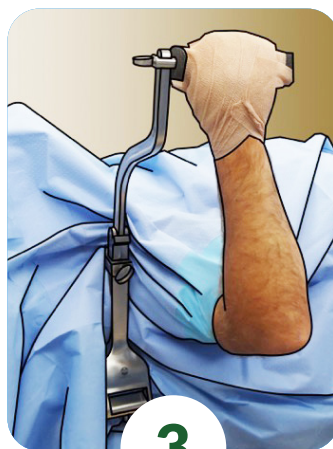


Position the patient supine on the OR table and prepare the arm in the usual sterile manner.

Apply the Base Support to the OR table railing adjacent to the patient’s shoulder and firmly tighten the “T” handle. Ensure the rail clamp is fully seated onto the railing and the Base Support fully vertical.



Load the Supine Positioner into the Base Support and rotate/lock the Supine Positioner into its extended or vertical position. Secure the Supine Positioner into place at the chosen height via the thumbscrew on the inner face of the Base Support.



Load the padded Wrist Support onto the end of the Supine Positioner and secure the patient’s gripped hand to the padded Support with 6” cohesive bandage.

Elbow flexion and extension are achieved by adjusting the height of the Supine Positioner in the Base Support.

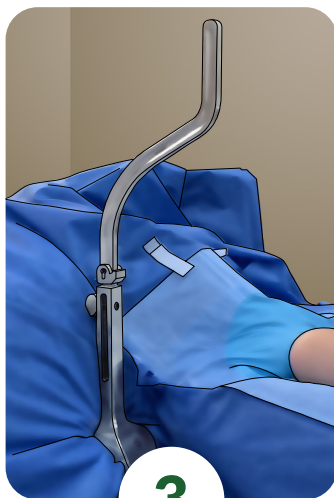
The ElbowLOC® Wrist Tower Assembly Technique



Apply The ElbowLOC® Arm Positioning System Surgical Hand Table to the OR table railing, **centering it on the patient's shoulder**. Secure the patient's upper arm to the padded table. Non-sterile 6" cohesive bandage is typically wrapped around the table and the patient's upper arm (as shown). Prepare and drape the arm in your usual manner.



Secure the Base Support to the OR table railing immediately distal to the table mounting bracket (as shown) and firmly tighten the "T" handle. Ensure the Base Support is fully seated onto the railing. (The surgeon will typically be seated cephalad to the shoulder for wrist arthroscopy).



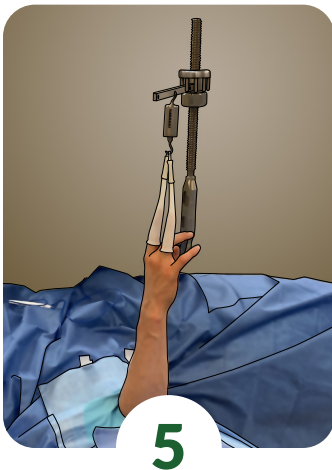
Seat the Supine Positioner into the Base Support and rotate/lock the Supine Positioner into its extended or vertical position. Secure the Supine Positioner via the thumbscrew on the inner face of the Base Support.

“Simple to assemble,
intuitive to use.”

The Elbow LOC[®] Wrist Tower Assembly Technique (continued)

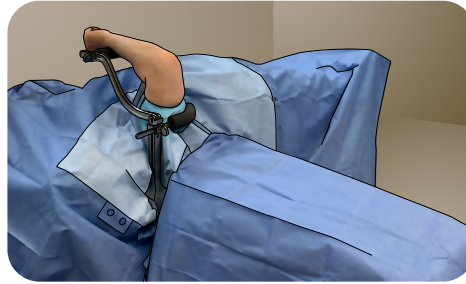
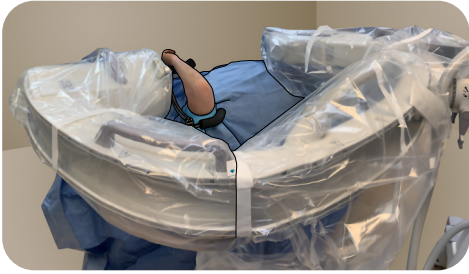


Advance the Distraction Nut onto the Wrist Tower and fully seat the Wrist Tower onto the Supine Positioner.



Load the Wrist Tower Traction Bar onto the Wrist Tower and allow it to sit flush on the flat surface of the Distraction Nut. Place the Traction Gauge at the chosen location on the Traction Bar. Apply the appropriate size ElbowLOC[®] Arm Positioning System double fingertrap onto the selected digits and hook the traps onto the traction gauge as shown. Traction is indicated on the gauge and adjusted by advancing the Distraction Nut along the Wrist Tower or by adjusting the height of the Supine Positioner within the Base Support. The Traction Bar Capture may be placed over the Traction Bar housing to eliminate Bar rotation, if desired.

Imaging



Leave the operative arm engaged in any of The ElbowLOC® Arm Positioning System Positioners or Wrist Tower and place sterile drapes around either end of a standard or mini C arm. Orient the fluoroscopy unit as necessary for the desired imaging.

OR

When using The ElbowLOC® Arm Positioning System Supine Positioner in conjunction with The ElbowLOC® Surgical Hand Table, remove the Humeral Support and rest the arm on the hand table for imaging.

Cleaning/ Sterilization/ Storage:

All components of the ElbowLOC® Arm Positioning System are Stainless Steel and are contained within one autoclavable container case. IFU's providing detailed instructions for cleaning, sterilization, and storage for The ElbowLOC® Arm Positioning System, our fingertraps, and our Surgical Hand Table are available at www.huntermed.net.

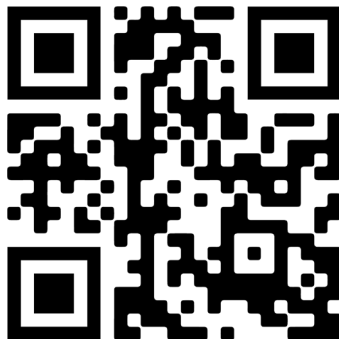
Why Struggle?

Hunter Medical Product List

Part #	Description
22187-2700	ElbowLOC® Arm Positioning System
22187-1000	BASE SUPPORT
22187-1100	SUPINE POSITIONER
22187-1200	LATERAL POSITIONER
22187-1300	WRIST SUPPORT
22187-1400	HUMERAL SUPPORT
22187-1403	HUMERAL SUPPORT COLLET
22187-1500	REDUCER/DISTRACTOR
22187-1800	WRIST TOWER
22187-1900	WRIST TOWER TRACTION BAR
22187-2000	WRIST TOWER TRACTION BAR CAPTURE
22187-2100	WRIST TOWER TRACTION GAUGE
22187-2200	WRIST TOWER DISTRACTION NUT
22187-1700	SYSTEM CASE
22187-2600	ElbowLOC® System
22187-1000	BASE SUPPORT
22187-1100	SUPINE POSITIONER
22187-1200	WRIST TOWER
22187-1300	WRIST TOWER TRACTION BAR
22187-1400	WRIST TOWER TRACTION BAR CAPTURE
22187-1403	WRIST TOWER TRACTION GAUGE
22187-1500	WRIST TOWER DISTRACTION NUT
22187-1700	SYSTEM CASE
22187-2800	ElbowLOC® Wrist Tower System
22187-1000	BASE SUPPORT
22187-1100	SUPINE POSITIONER
22187-1800	WRIST TOWER
22187-1900	WRIST TOWER TRACTION BAR
22187-2000	WRIST TOWER TRACTION BAR CAPTURE
22187-2100	WRIST TOWER TRACTION GAUGE
22187-2200	WRIST TOWER DISTRACTION NUT
22187-1700	SYSTEM CASE
22187-2850	ElbowLOC® Wrist Tower Components
	Disposables
22187-1600	ElbowLOC® Sterile FIELD KIT (Case of 8 Kits)
	Accessories
22187-2401	ElbowLOC® FINGER TRAPS SIZE SMALL
22187-2402	ElbowLOC® FINGER TRAPS SIZE MEDIUM
22187-2403	ElbowLOC® FINGER TRAPS SIZE LARGE
22187-2404	ElbowLOC® FINGER TRAPS SIZE EXTRA LARGE
22187-2500	6" COHESIVE BANDAGE
22187-2300	CARBON FIBER SURGICAL HAND TABLE
	Reprocessed Equipment
22187-2900	ElbowLOC® System

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