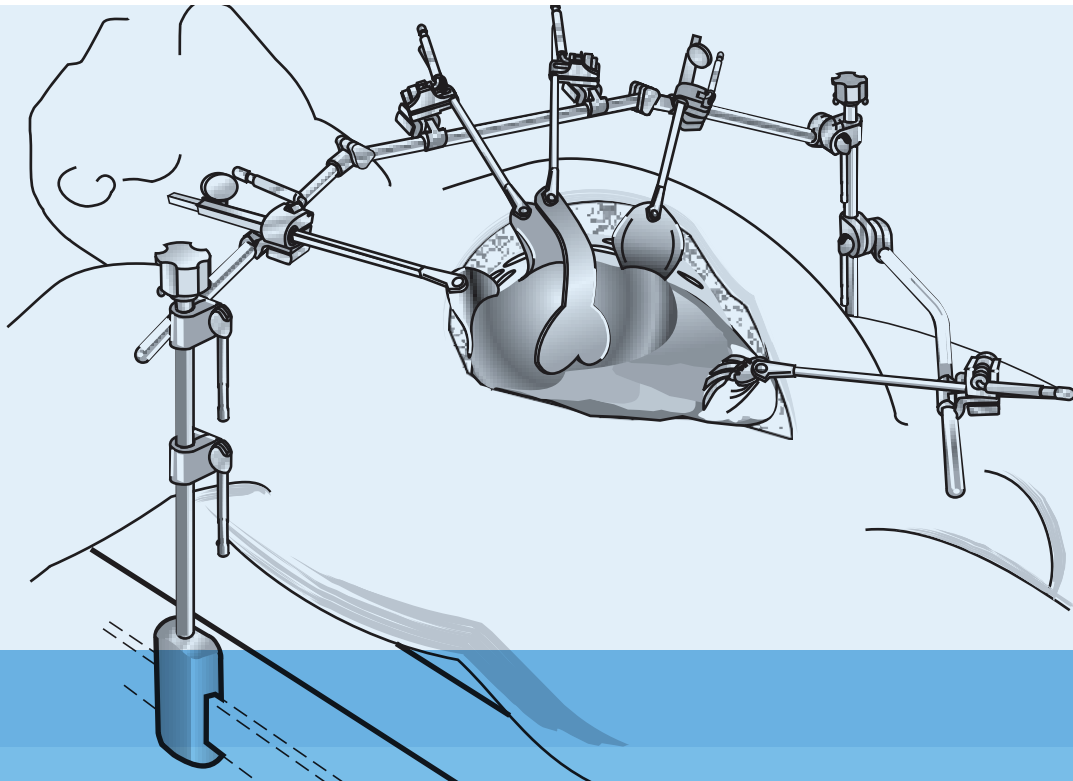


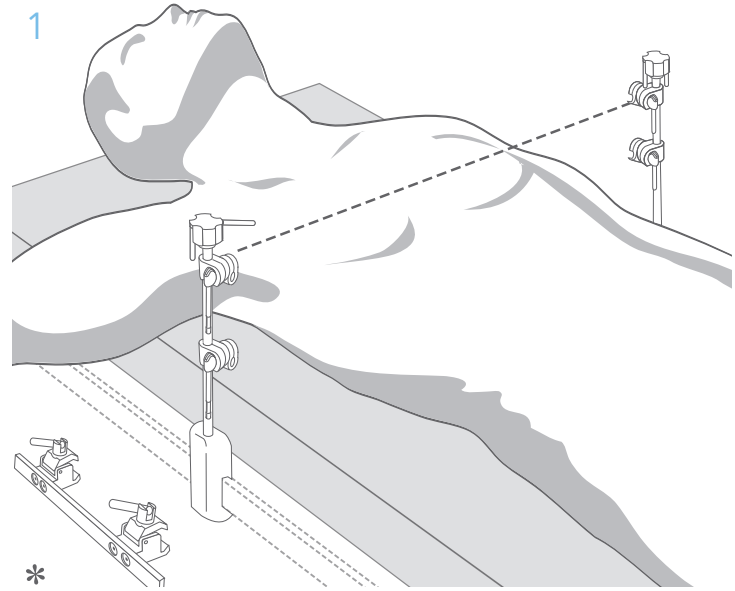
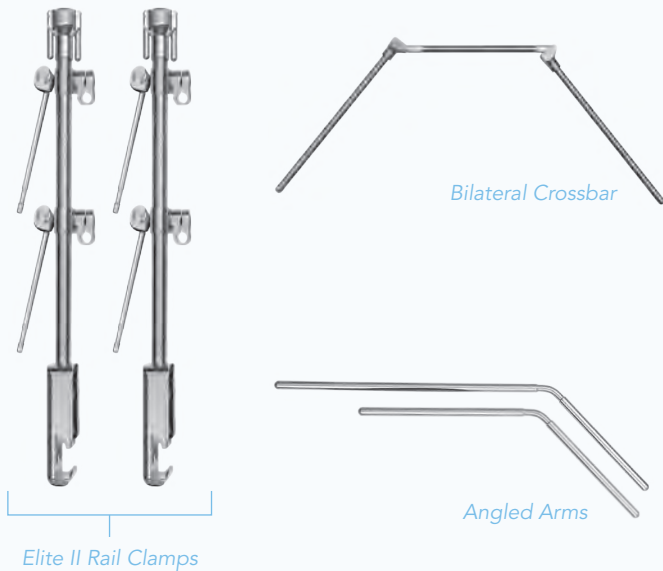
Bilateral System User Manual

Thompson Retractor 



- OBESITY
- LIVER RESECTION
- LIVER TRANSPLANT

Uncompromised Exposure.

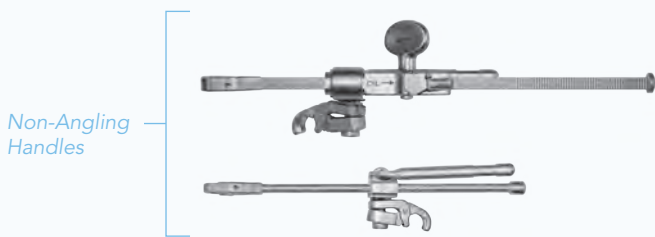
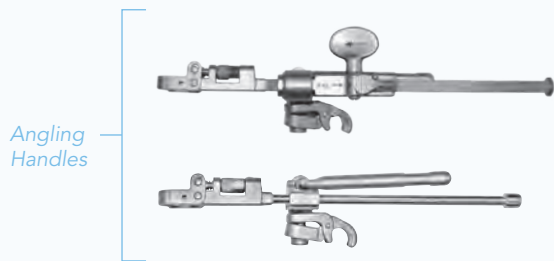


Secure the Elite II Rail Clamp to the table rail over the sterile drape.

CAUTION:

If the patient is obese, avoid compressing the ulnar nerve.

When necessary, use a wider OR table or add 2 1/2" to the width of the table by using our Rail Extender 41917.



CLEAN ALL COMPONENTS

Do not allow blood to dry on components. Ultrasonic cleaning is recommended; however, hand washing with a brush is acceptable.

LUBRICATE ALL THREADED AND CAM COMPONENTS BEFORE AUTOCLAVING

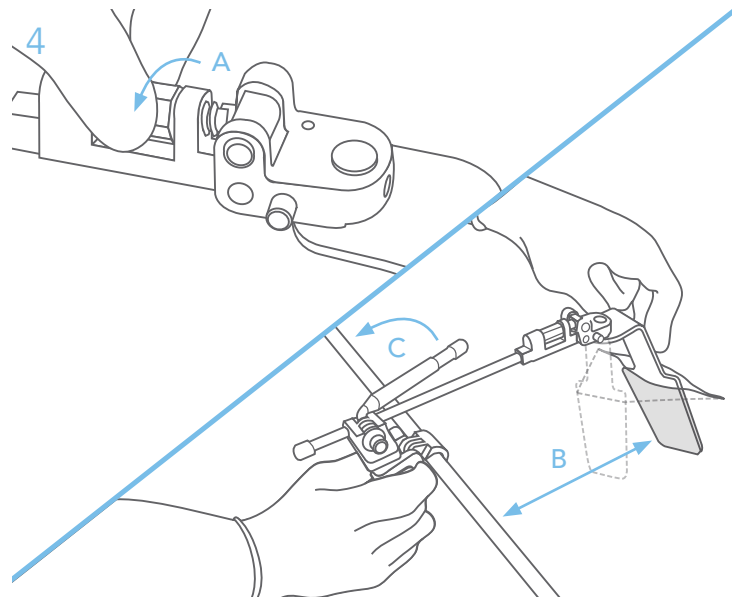
Be certain that all Cam Joints are in FULL OPEN POSITION during autoclaving.

STERILIZE:

- GRAVITY STEAM (Wrapped)
30 minutes 121°C (250°F) @ 1.1kg/cm²
- HIGH SPEED GRAVITY (FLASH)
5 minutes 132°C (270°F) @ 30psi or 132° @ 2kg/cm²
- PREVACUUM STEAM (Wrapped)
4 minutes @132°C (270°F)

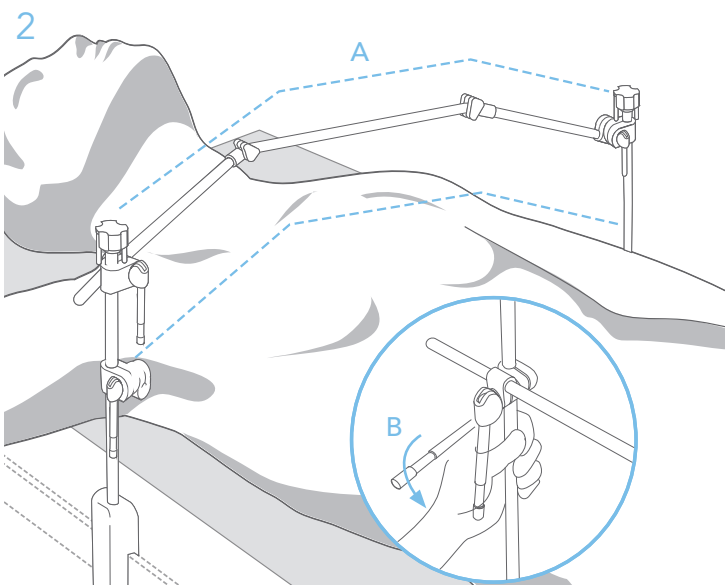
CAUTION:

Relax retractors periodically to ensure proper blood flow.



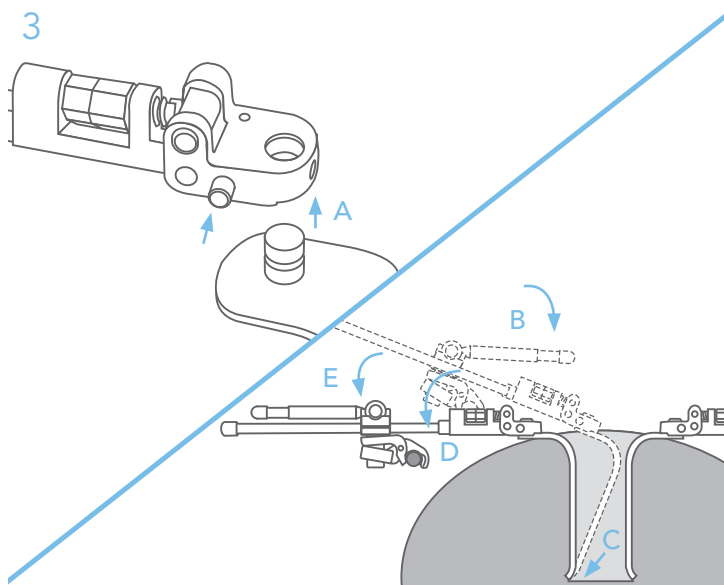
TIPS:

- A Adjust angle of retractor handle blade before applying retraction.
 - B Compress the arm toward the incision while simultaneously retracting the blade.
 - C Have assistant lock joint.
- Spring of frame holds retractor in place.



A Position the crossbar (41900H) in the rail clamp's universal joints and adjust its height 8 to 10cm over the patient's chest.

B Lock the bar in the joints with a flip of the cam handle (grasp the upright arm for leverage).



ADD RETRACTORS:

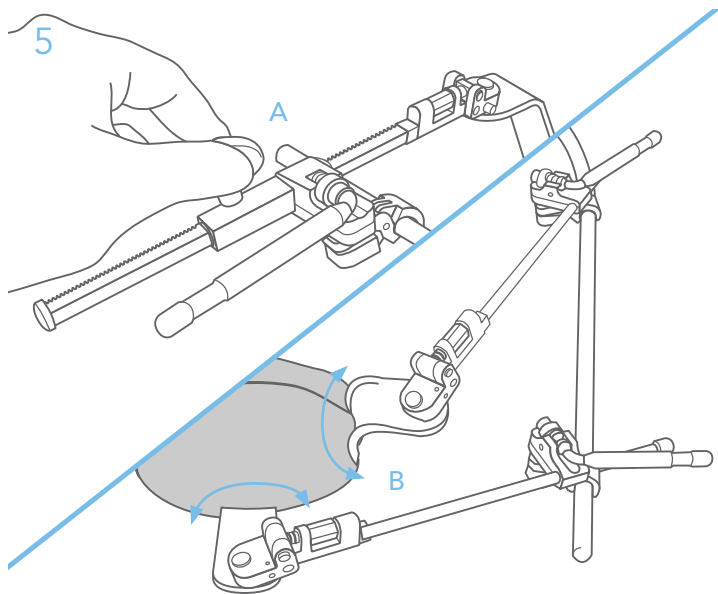
A Press the plunger and insert blade into the handle.

B Cam should be in "unlock" position

C Place blade in site

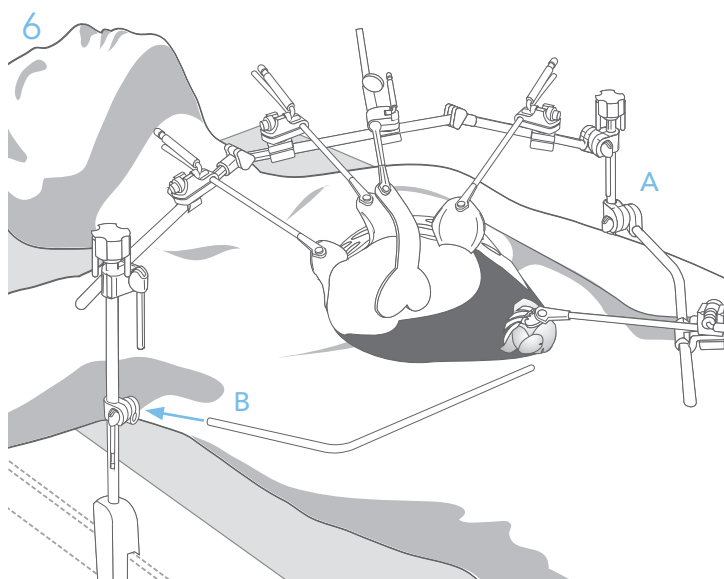
D Clip joint onto arm

E Retract and "lock" joint



A Turn knob to fine tune retraction.

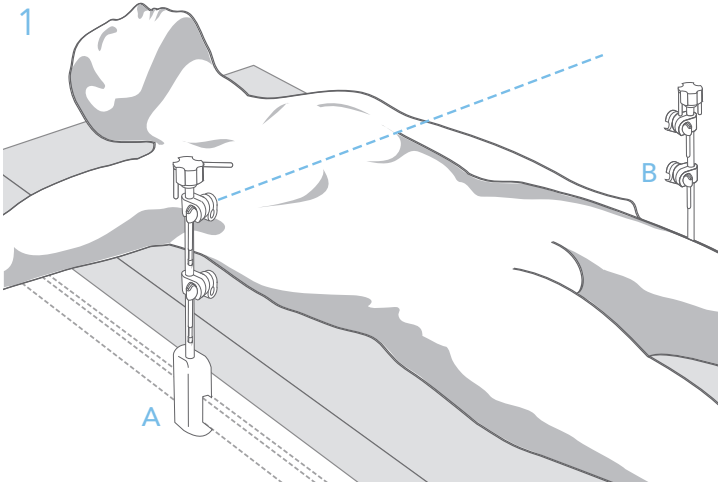
B Use the swivel feature to position handles out of the team's way, and to retract where there are no framing arms.



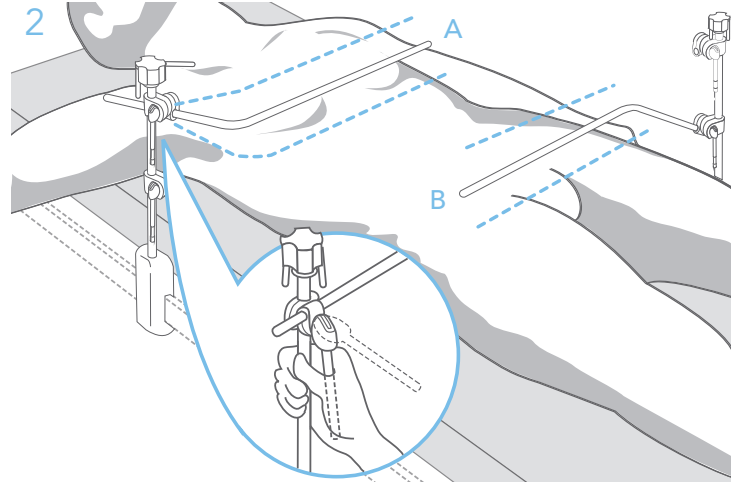
A Secure extension arms in the second joint on the rail clamps. Add retractors as needed.

B Secure an additional extension arm if needed. Ensure the extension arms are positioned low and wide to efficiently retract.

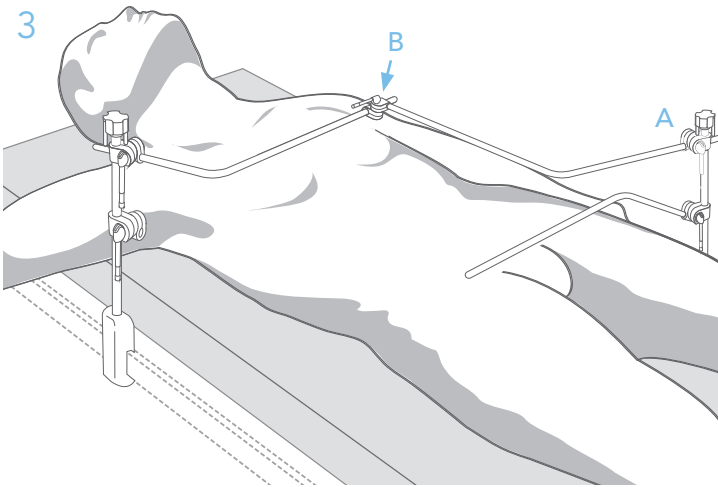
WE RECOMMEND RELAXING TENSION ON RETRACTORS EVERY 20 MINUTES TO ENSURE PROPER BLOOD FLOW.



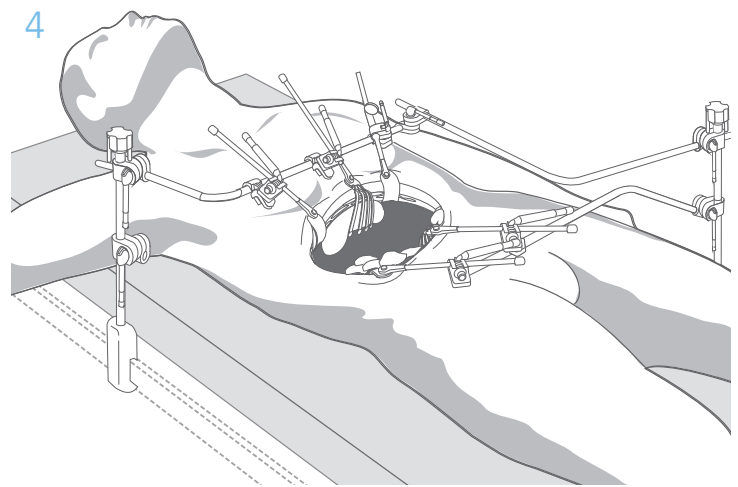
- A Attach an Elite II Rail Clamp to the patient's right side of the table.
- B Add a rail clamp to the opposite side at the patient's thigh.



- A Position the upper abdominal crossbar in the rail clamp's universal joint and secure it 8 to 10cm (depending on desired elevation of the costal margin) above the patient's chest.
- B Position the lower abdominal crossbar in the rail clamp's lower universal joint and position it just above the patient's pubic bone.



- A Place the lateral arm in the top joint of the lower abdominal rail clamp.
- B Interconnect its distal end with that of the upper abdominal's crossbar, using 1/2" x 1/2" framing joint (42110C).



Add retractors as needed.

WE RECOMMEND RELAXING TENSION ON RETRACTORS EVERY 20 MINUTES TO ENSURE PROPER BLOOD FLOW.



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