

# MEDSOURCE

## MedSource Traction Leg Splint User Manual

INSTRUCTIONS FOR:  
MS-TLS-1  
MS-TLS-2  
MS-TLS-3

### INSTRUCTIONS

#### 1. Apply manual stabilization

Apply manual stabilization to the leg above and below the injury site. This is designed to stabilize the bone ends and reduce further injury.

#### 2. Remove the clothing from the area

Remove the clothing to expose the entire leg. Remove the shoe and sock from the effected extremity.

#### 3. Apply the ankle hitch

Apply the ankle hitch. After the ankle hitch is in place, take over manual stabilization via the ankle hitch and elevate the leg while supporting the ankle.

#### 4. Measure the traction splint

Adjust the traction leg splint to the proper length. The non-injured leg should be used to measure the length of the traction splint. The traction splint should be adjusted to 12 inches longer than the non-injured leg.

#### 5. Apply the traction splint

Slide the traction splint under the patient's injured leg, elevate the leg and continue manual traction via the ankle hitch. The ischial ring of the traction splint must be against the bony prominence of the buttocks (ischial tuberosity). Extend the traction kickstand once the traction splint is in place. Pad the groin and gently, but securely apply the ischial strap and the patient's thigh to prevent over tightening.

#### 6. Apply mechanical traction

Attach the mechanical traction device to the ankle hitch while rescuer continuing to maintain manual traction via the ankle hitch. Begin to apply the mechanical traction. Release manual traction when patient feels the mechanical traction has taken over. Sufficient mechanical traction is used when it equals the amount of manual traction that was maintained. Avoid using too much traction, which may overstretch the leg, but use enough traction to maintain limb alignment.

#### 7. Secure the leg to the traction splint

Stabilize the injured leg by positioning patient's hands on top of the lower leg to prevent movement. Fasten the support straps. One strap should be just above the ankle hitch, one strap just below the knee, one strap just above the knee, and one strap at the top of the thigh just below the ischial strap. Do not fasten a strap directly over the injury site. Excess straps should be secured underneath the splint to provide additional support.

#### 8. Prepare the patient for transport

The patient should now be secured to a long backboard to provide further immobilization of the hip. The traction splint should be secured to the long backboard to prevent excessive movement.

The shelf life of the traction leg splint is 5 years.

MSL-REG-LQR-8421, REV. 02

Decontamination Process

Wipe with a 3% chlorine solution.  
Air dry.

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