



FARETEC INC
RESPONDER PRODUCTS

EMERGENCY CARE | ADULT | PEDIATRIC

QD-4 / QD-3 HARE TRACTION LEG SPLINTS

INSTRUCTIONS FOR USE & PRODUCT GUIDE

Pre-hospital support and traction for mid-shaft femur fractures



01 QD-4: ADULT + PEDIATRIC
QD-3: PEDIATRIC

02 HEX LOCK ADJUSTMENT
Rapid length positioning

03 INLINE TRACTION
Integrated ratchet system

04 FIELD READY
Pre-hospital care and transport

BUILT FOR RAPID FIELD APPLICATION

QD-4 / QD-3 traction splint system

FDA REGISTERED

CE MDR
2017/745

ISO 13485
2016

QD-IFU-EN-V2.0

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INTENDED USE & PATIENT SELECTION



Use the QD system for the injury location and patient group defined in the current FareTec IFU.



INTENDED USE

The QD Leg Traction Splint is intended to provide support and traction to mid-shaft femur fractures during pre-hospital care and patient transport.



INDICATIONS

Mid-shaft femur fractures.



INTENDED PATIENT GROUP

Adults and children with shaft fractures of the femur not involving the knee joint. QD-3 model: children only.



INTENDED USER

Healthcare professionals and trained non-medical staff.

PATIENT SELECTION MATTERS

Confirm the suspected fracture site, assess circulation and follow local clinical protocols before applying traction.



INDICATED INJURY LOCATION



MID-SHAFT FEMUR FRACTURE
Indicated injury location

Confirm injury location before application.

CONTRAINDICATIONS

Do not use a traction splint for:



NECK OF FEMUR FRACTURES

Injury located at the proximal femur / femoral neck.



KNEE FRACTURE OR DISLOCATION

Fracture and/or dislocation involving the knee.



FRACTURED ANKLE

Do not apply when an ankle fracture is present.



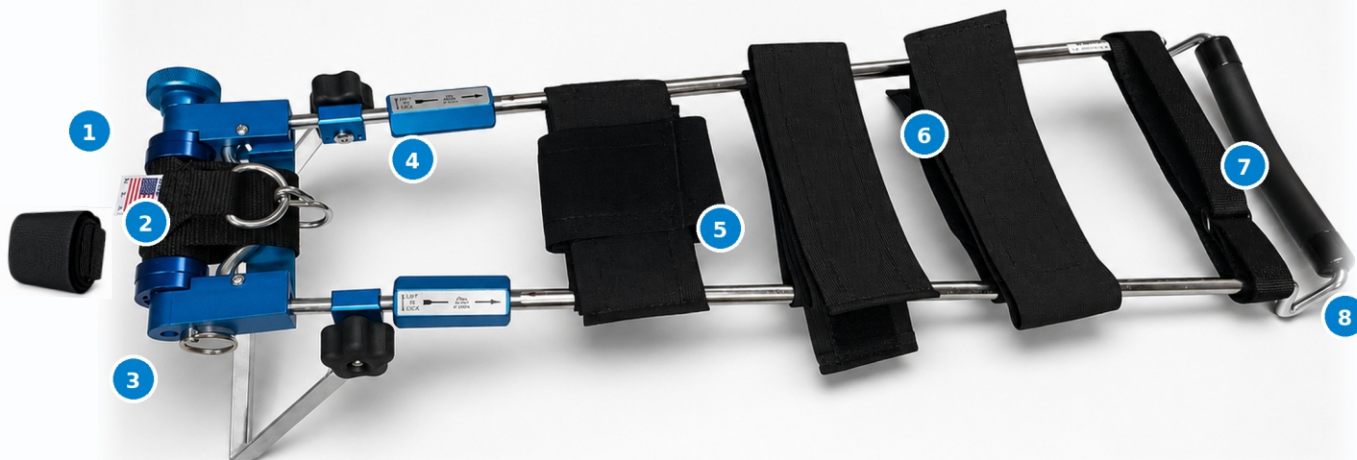
PRODUCT ANATOMY

A visual guide to the primary components of the QD traction splint system.



FOOT / DISTAL END

UPPER-THIGH / PROXIMAL END



Numbered markers correspond to the component key below.

1 RATCHET TRACTION ASSEMBLY

Applies controlled inline traction through the ankle-hitch connection.

2 ANKLE HITCH & CONNECTION RINGS

Secures the distal extremity and links the ankle hitch to the ratchet system.

3 HEEL STAND

Elevates the heel and helps maintain clear positioning of the foot end.

4 HEX LOCK ADJUSTERS

Align arrows to adjust frame length; rotate the hex body to lock.

5 TRACTION FRAME RAILS

Adjustable structural rails that support the splint assembly.

6 LEG SUPPORT SLINGS (4)

Elastic support slings cradle and support the injured extremity.

7 ISCHIAL STRAP

Secures the proximal end around the upper thigh.

8 ISCHIAL PAD / PROXIMAL SUPPORT

Positions against the ischial region to stabilize the upper end of the splint.



APPLICATION STEPS

PREPARE, POSITION & CONNECT

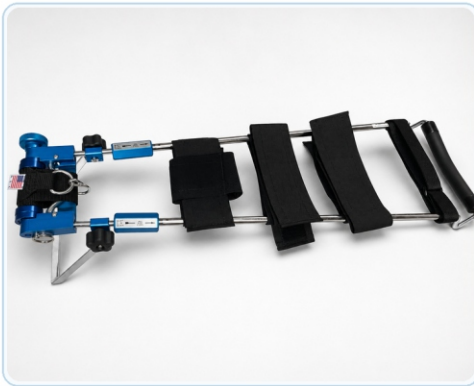


BEFORE APPLICATION



Stabilize the injured leg manually. If possible, expose the leg and remove the shoe. Check distal circulation. Extend the splint approximately 10 in (25 cm) beyond the foot and open the support slings.

1



POSITION THE SPLINT

Elevate the injured leg and slide the splint beneath it. Position the proximal pad firmly against the sitting bone (ischial tuberosity).

Maintain manual stabilization while positioning the splint.

2



SECURE THE UPPER-THIGH STRAP

Fasten the top ischial or groin strap securely around the upper thigh so the proximal end of the splint remains seated in position.

Keep the strap flat and confirm that the pad remains correctly positioned.

3



CONNECT THE ANKLE HITCH

Secure the ankle hitch around the ankle, leaving the strap approximately 1 in (2.5 cm) beyond the foot. Connect the hitch to the metal hook or rings on the ratchet assembly.

Confirm the ankle hitch is centered and the connection is fully engaged.



APPLICATION STEPS

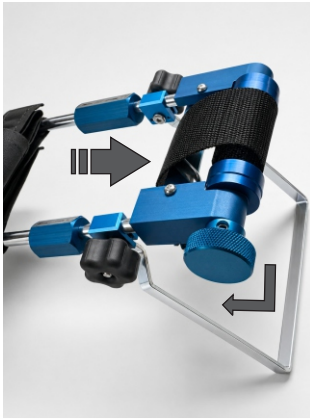
APPLY TRACTION, SECURE & REASSESS



CONTINUE ONLY AFTER THE PROXIMAL STRAP AND ANKLE HITCH ARE SECURE.

Apply traction gradually and follow the current FareTec IFU and local clinical protocol.

4



APPLY FIRM, GENTLE TRACTION

Turn the ratchet handle gradually to apply inline traction. Continue according to local protocol until the desired clinical endpoint is reached, such as reduced pain or muscle spasm and restoration toward the length of the uninjured leg.

Apply traction smoothly. Do not force the mechanism or exceed local protocol.

5



SECURE THE REMAINING LEG STRAPS

Fasten the remaining support straps above and below the knee. Keep each strap flat and secure, and do not place a strap directly over the suspected fracture site.

Use the support slings to cradle the leg without covering the injury location.

6



RECHECK DISTAL NEUROVASCULAR STATUS

Reassess pulse, movement and sensation in the foot. Confirm traction, alignment and strap security before transfer and transport.

Document findings before and after application; continue monitoring during transport.

CLINICAL CHECKPOINT

Pulse • Movement • Sensation • Alignment • Strap Security



INSPECTION, CLEANING & MAINTENANCE



A practical after-use guide for keeping the QD traction splint clean, functional and ready for service.



AFTER EVERY USE

Perform a full inspection before the splint is stored or returned to service.

FULL SYSTEM INSPECTION

Inspect each functional area shown below.



FRAME & LOCKS



SLINGS & HITCH



RATCHET & STRAP

1 INSPECT

- Check the traction frame for contamination, corrosion or damage.
- Confirm both Hex Lock adjusters hold the selected length firmly.

2 CLEAN

- Clean the frame with soap and water.
- Dry thoroughly with a disposable towel before storage.

3 SERVICE

- Replace worn or contaminated straps, slings or ankle-hitch parts.
- Lubricate the ratchet assembly as needed with lightweight penetrating oil.

COMPONENT CHECKLIST



TRACTION FRAME

Free of contamination and corrosion; clean with soap and water.



HEX LOCK ADJUSTERS

Hold the splint firmly at the selected length; inspect for corrosion or damage.



LEG SUPPORT SLINGS

Clean and elastic; replace if worn, contaminated or no longer resilient.



ANKLE HITCH

Inspect for wear; replace if contaminated or damaged.



RATCHET ASSEMBLY

Inspect operation and strap condition; replace worn/contaminated strap and lubricate as needed.

REPLACE BEFORE REUSE

Do not return a component to service if it is worn, contaminated, corroded, damaged or unable to lock securely.