



The Traction Splint Unilateral Child EM0107 (VM-TSUP) is an aluminium-framed traction splint sized for large child patients, designed for pre-hospital emergency management of suspected femur fractures. The one-piece design with ratchet traction mechanism and "S" ring hook supports rapid deployment. Features include a heel stand with release pull ring, four leg support straps, ischial strap and pad, and an adjustable ankle strap. Product dimensions: 128×18×17cm. Collapsed: 86×7×18cm. Net weight: 1.8kg. Supplied with carry bag and user instruction manual. CE (EU) 2017/745 MDR certified. ISO 13485 quality system. 1-year carry-in warranty. Available in South Africa from Vital Medical.

Paediatric-Sized Traction for Femur Fracture Management in Large Children

The Traction Splint Unilateral Child EM0107 (VM-TSUP) is a pre-hospital traction splint designed and sized for large paediatric patients with suspected mid-shaft femur fractures. Femur fractures in children require the same principles of traction management as in adults — countering muscle spasm to reduce pain, restoring approximate limb length, and minimising vascular and neurological compromise during transport — but using adult-sized equipment creates incorrect traction vectors and inadequate fit, risking ineffective immobilisation or additional injury. The EM0107 provides a correctly dimensioned frame (128cm deployed) for large child anatomy, ensuring the ischial strap seats correctly at the pelvic bony prominence, the heel stand supports the limb at an anatomically appropriate level, and traction is applied along the long axis of the child's femur. The ratchet traction

device with "S" ring hook delivers controlled, adjustable longitudinal traction force without requiring sustained manual effort to maintain, allowing the attending paramedic or emergency clinician to focus on other clinical priorities during transport.

Ischial Strap, Leg Support, and One-Piece Deployment

The EM0107 includes an ischial strap and pad — the pelvic anchor against which traction is applied — ensuring the device seats correctly against the ischial tuberosity before traction is applied. Four leg support straps distribute support along the limb, maintaining alignment and preventing rotation during patient movement and transport. An adjustable ankle strap provides the distal attachment point for the traction mechanism. The one-piece aluminium frame eliminates assembly steps at scene, enabling application to be completed in minutes and reducing on-scene time. The collapsed profile (86×7×18cm) stores efficiently in ambulance and trauma kit configurations, and the included carry bag protects the device in storage and transit.

Construction, Compliance, and Clinical Deployment

The EM0107 is manufactured to ISO 13485 quality management system standards and certified CE to (EU) 2017/745 Medical Device Regulation. The aluminium frame with nylon webbing provides a rigid, lightweight structure at 1.8kg net weight. Each unit is supplied with a carry bag and user instruction manual. Functional inspection is required prior to each use, with annual preventative maintenance by an authorised service agent. 1-year carry-in warranty against faulty materials and workmanship. Available in South Africa from Vital Medical, the VM-TSUP is suited to emergency medical services, paediatric emergency departments, and trauma response teams requiring a correctly sized, CE-certified traction splint for large child patients.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Manufacturer Reference	EM0107
SKU	VM-TSUP
Type	Unilateral traction splint — large child
Frame Material	Aluminium
Webbing Material	Nylon
Traction Mechanism	Ratchet device with "S" ring hook
Leg Support Straps	4
Ischial Strap and Pad	Included
Ankle Strap	Adjustable
Heel Stand	Yes — with release pull ring
Product Dimensions	128×18×17cm
Collapsed Dimensions	86×7×18cm
Packing Dimensions	88×8×22cm
Net Weight	1.8kg
Gross Weight	2.8kg
Included Accessories	Carry bag, user instruction manual
Quality System	ISO 13485
Certification	CE — (EU) 2017/745 MDR
Maintenance Interval	Annual — authorised service agent
Warranty	1 year carry-in

SKU: VM-TSUP