



The Extrication Device Paediatric EM0110 (VM-KEDP) is a radiolucent spinal extrication device designed for paediatric patients requiring immobilisation of suspected spinal, rib, hip, or pelvic injuries during vehicle extrication. Manufactured from strengthened Oxford cloth with bamboo reinforcement, nylon webbing, and snap-lock buckles. Features sewn-in colour-coded securing straps, adjustable fold-back sides for chest access, two head straps, integrated carrying handles, and a pelvic/hip splint configuration by simple inversion. Adapts for use on small children and pregnant women. Radiolucent for X-ray. Product dimensions: 61×64×3cm. Folded: 61×22×10cm. Net weight: 2kg. Includes carry bag, 2×head straps, positioning pad, and instruction manual. CE (EU) 2017/745 MDR certified. ISO 13485. 1-year carry-in warranty. Available in South Africa from Vital Medical.

Radiolucent Paediatric Spinal Extrication and Immobilisation

The Extrication Device Paediatric EM0110 (VM-KEDP) is a Kendrick-type extrication device designed for immobilisation and safe extrication of paediatric patients from vehicles when spinal injury is suspected, or when rib, hip, or pelvic fractures are present. Vehicle extrication of a patient with a suspected spinal injury requires the spine to be held in neutral alignment throughout the movement from seated position to horizontal on a stretcher — an operation that cannot be safely achieved with a cervical collar alone. The KED device wraps around the patient's torso and head, securing the thoracic and lumbar spine, pelvis, and head as a single rigid unit before movement begins. The EM0110 is specifically sized for paediatric patients, addressing the anatomical differences between

children and adults that make adult extrication devices inappropriate for paediatric use. The device is constructed from strengthened Oxford cloth with bamboo reinforcement — a material combination that is radiolucent, enabling X-ray imaging of the thorax, spine, or pelvis without device removal upon arrival at hospital.

Colour-Coded Straps, Fold-Back Chest Access, and Pelvic Splint Configuration

The EM0110's sewn-in securing straps are colour-coded for rapid sequencing during application under stress, with snap-lock buckles that engage quickly and securely without fumbling. The adjustable, fold-back chest flap panels allow access to the patient's chest for cardiac monitoring electrode placement or defibrillation pad positioning without removing or repositioning the device — a clinically significant feature in paediatric trauma where concurrent cardiac assessment may be required. Two head straps secure the patient's head to the device, maintaining cervical spine alignment during extrication and transport. By simple inversion of the device, the EM0110 can be configured as a hip and pelvic splint — extending its clinical utility beyond vehicle extrication to ground-level and confined-space entrapment scenarios. The device can also be adapted for use on small children and pregnant women, providing a versatile paediatric and special-patient extrication solution within a single unit.

Construction, Accessories, and Clinical Deployment

The EM0110 is manufactured from strengthened Oxford cloth reinforced with bamboo slats, nylon webbing, and snap-lock buckles — materials selected for durability, flexibility under clinical handling, and radiolucency. Integrated carrying handles allow the device and secured patient to be gripped and moved safely during extrication. Each unit is supplied with a carry bag, user instruction manual, 2×head straps, and a positioning pad. Product dimensions are 61×64×3cm open and 61×22×10cm folded, with a net weight of 2kg. Manufactured to ISO 13485 quality management standards and certified CE to (EU) 2017/745 Medical Device Regulation. Functional inspection required prior to each use; annual preventative maintenance by authorised service agent. 1-year carry-in warranty. Available in South Africa from Vital Medical, the VM-KEDP is suited to emergency medical services, rescue services, paediatric trauma teams, and any clinical deployment where paediatric vehicle extrication or spinal immobilisation is required.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Manufacturer Reference	EM0110
SKU	VM-KEDP
Type	Paediatric extrication device (KED)
Material	Strengthened Oxford cloth, bamboo reinforcement, nylon webbing, snap-lock buckles
Radiolucent	Yes
Securing Straps	Sewn-in, colour-coded with snap-lock buckles
Head Straps	2 (included)
Chest Access	Adjustable fold-back sides
Hip/Pelvic Splint	Yes — by simple inversion
Carrying Handles	Integrated
Product Dimensions	61×64×3cm
Folded Dimensions	61×22×10cm
Packing Dimensions	65×25×10cm
Net Weight	2kg
Gross Weight	2.5kg
Included Accessories	Carry bag, user instruction manual, 2×head straps, 1×positioning pad
Quality System	ISO 13485
Certification	CE — (EU) 2017/745 MDR
Maintenance Interval	Annual — authorised service agent
Warranty	1 year carry-in

SKU: VM-KEDP