

Radial elbow & posterior knee immobilizer

Overview

Prefabricated immobilization belt for motion restriction and pain relief around the ankle and knee joints.



Posterior Shell For Elbow and
Knee

Designs & Components

- Proximal & distal velcro straps.
- Soft fabric outer and inner surfaces.
- Hard support bars/strands distributed from the inside.
- Soft sponge lining the inner surface and housing the support bars.

Principle and Gait Biomechanics

- Three-pressure-point (3PP) force system provides flexion motion restriction and varus/valgus control around the targeted joint.
- Less motion on the affected joint offers pain relief and promotes healing.
- The close-fit belt stimulates a kinesthetic reminder that helps the user be more engaged, careful and focused on the treatment goals.



Indications:

- Elbow/knee joints pain.
- Post-surgical muscle weakness.
- Elbow fractures and soft tissue injury.
- Ligaments instability of the elbow/knee joint.

Prerequisite for use:

- Mild to moderate instability of the elbow/knee joints.
- Upper limb power and dexterity on the contralateral side.
- Absence of knee/ elbow contracture exceeding 10 degrees.

