

“Mackie Hinge” Static Progressive Knee Brace

Important Patient Information

The Mackie hinge mechanism on Ortho Innovations’ “Mackie Hinge” Static Progressive Knee Brace is engineered for smooth and infinite positional settings to provide simplicity of function, strong construction, and superior patient comfort. This static-progressive approach to reduce contractures utilizes the concept of stress relaxation to achieve incremental tissue elongation. This encourages the soft tissues to adapt through the principle of plastic deformation. The patient progressively adjusts the orthosis to increase the end range of motion to approximate normal limits. Low-load, long duration stretch produces excellent results and encourages patient compliance.

Because of the variations of human physiology from individual to individual, the adjustability of the hinge enables the patient to determine how much force to apply to achieve an optimal result. This brace also has the ability to be used in both flexion and extension. This can avoid the added expense of a second device as many patients are compromised in both directions.



INDICATIONS

The “Mackie Hinge” Static Progressive Knee Brace provides static stretch for conservative treatment of soft tissue contractures that are less than six months from onset. In addition, the brace may be used for trauma, post-op adhesions, immobilization, muscle strength imbalance, arthritis, burns, cerebral palsy, stroke, traumatic brain injury, and post-operatively to maximize range of motion.

CARE

Straps—The straps of the “Mackie Hinge” Static Progressive Knee Brace can be hand washed in 30°C warm water using mild soap. Rinse thoroughly and air dry. If the straps are not rinsed thoroughly, residual soap may cause skin irritation and deteriorate the material.

Hinges—The hinges on the “Mackie Hinge” Static Progressive Knee Brace may be wiped clean using a nonabrasive cleaner or mild soap. **Do not allow liquid to enter the control knob.**

WARRANTY

The frame and “Mackie” hinge of your extension brace are covered by a one year limited warranty against defects in materials or craftsmanship (under normal conditions); while all soft goods are covered by a six month limited warranty.

PRODUCT DISCLAIMER

The “Mackie Hinge” Static Progressive Knee Brace is designed to stretch soft tissue contractures and return the maximum range of motion possible to the joint. This treatment is usually prescribed following surgery and in addition to other therapeutic measures.

Please be aware that the goal of this treatment is to accomplish a low stretching force maintained over a long period of time. This will safely and effectively stretch soft tissue contractures with lasting results. The patient should be sure to discuss the wearing schedule with the physician who prescribed the brace.

⚠ CAUTION

- If pain, swelling or numbness occur, contact your physician.
- Never attempt to stretch joint beyond normal limits.
- Follow your physician’s instructions if they are different from these guidelines.

⊗ This product is intended for use on a single patient.

Manufacturer:
 Ortho Innovations, Inc.
 121 23rd Avenue Southwest
 Rochester, Minnesota/USA 55902
 Tel: (877) 536-6107
 Fax: (507) 536-6124
www.orthoinnovations.com

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