

# Model #4405 Static-Pro® Knee Static Progressive Orthosis

Single Patient Use Only

Rx Only

### IMPORTANT

Please read all instructions, warnings and precautions before use.

### INTENDED USE

The DeRoyal Static-Pro® Knee Orthosis is designed for the treatment of joint stiffness and established soft tissue contractures, which may have resulted from trauma, immobilization or neurological disorders. The orthosis should only be used under the supervision of a qualified health care professional. Protocols for use vary depending on the diagnosis and should be determined after consulting with the patient's physician. The Static-Pro® Knee assists in either flexion or extension in one unit.

### CONTRAINDICATIONS

The Static-Pro® Knee Orthosis should not be used if any of the following conditions exist: Severe spasticity, severe osteoporosis and/or thrombophlebitis. If pain, numbness, swelling or skin irritation occurs while wearing the orthosis, it should be removed. The patient should be re-evaluated and appropriate adjustments made.

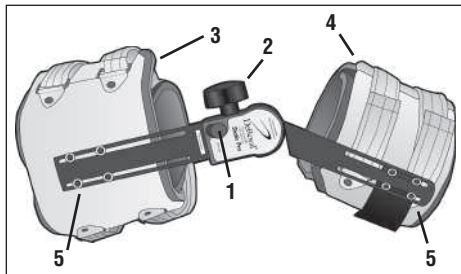
### PRECAUTION

Caution should be used if any of these conditions exist: peripheral vascular disease, healing skin wounds, mild spasticity, heterotrophic ossification and mild osteoporosis. Be careful not to apply excessive tension to patients with decreased sensation or feeling in the knee or leg.

### INSTRUCTIONS FOR USE

**CAUTION:** The DeRoyal Static-Pro® Knee Orthosis is a non-ambulation orthosis. The intended use is for the patient to be in a sitting or supine position. Ambulating while wearing the orthosis may cause it to migrate down the leg, making the unit ineffective.

**IMPORTANT:** Before applying the orthosis, disengage the gearing mechanism by pulling out the engagement knob (1) and at the same time pivot the position adjustment knob (2) back toward the hip. The hinge should move freely.



**1. Sizing and Molding the Thigh and Calf Cuffs:** Trim the panels of the middle thigh cuff (3) equally from each side so the cuffs

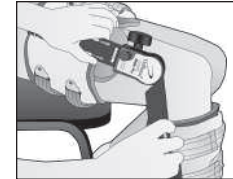


do not overlap when on the patient. Trim the calf cuff (4) so the sides of the cuff do not overlap when on the patient. **Note:** The blue foam liner should extend 1/2" beyond the white Wire-Foam™. Mold the cuffs around the patient's thigh and calf.



**2. Adjust Length of Thigh and Calf Cuffs:** Use supplied Allen wrench to loosen the screws (5) and adjust the cuffs to the patient's mid-calf and mid-thigh. Retighten the screws.

**3. Position the Knee:** Position the knee at its active end range of flexion or extension. The active end range is the extent to which the knee can be flexed or extended without help.



**4. Position the Unit:** With the gear mechanism disengaged, move the hinge of the splint so that the angle of the splint is aligned with the angle of the knee.



**5. Engage the Gear**

**Mechanism:** Pull out the engagement knob (1) and at the same time pivot the position adjustment knob (2) forward. To fully engage the gears, you may have to move the calf cuff slightly or rotate the adjustment knob (2) until the engagement knob snaps into place.

**6. Apply the Splint:** Unfasten thigh and calf straps. Place orthosis on the leg with the hinge on the lateral (outside) side of the leg. Position the axis of the hinge centered at the knee joint. Mold the thigh cuff and the calf cuff around the leg, and fasten the straps with the hook and loop closure for a snug, comfortable fit.

**7. Adjusting the Orthosis Position:** Rotate the position adjustment knob (2) until the joint's soft tissues are stretched to patient tolerance. **Note:** See Patient Protocol Card to determine the appropriate amount of tension and wearing time.



**8. Removing Orthosis:** Turn the position adjustment knob (2) to reduce the tension on the leg. Unfasten all straps and remove unit.

**9. Changing Softgoods:** Remove the four screws on the thigh plate (4) to remove the thigh cuff. Attach new thigh cuff. Remove the four screws on bottom (5) to remove the calf cuff. Attach new calf cuff.

### CARE INSTRUCTIONS

Clean Wire-Foam™ pads and exterior of hinge with non-abrasive cleaner. Straps and blue liner may be machine-washed. Air-dry orthosis, straps and liner prior to wearing.

Softgoods are for single patient use only.



**Manufacturer**  
DeRoyal  
200 DeBusk Lane, Powell, TN 37849 U.S.A.  
888.938.7828  
865.938.7828

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