

Custom Specialty Orthoses

From the elegant yet durable range of SpryStep AFOs, to custom knee braces and specialty KAFOs, Thuasne USA offers effective custom solutions for the most complex patients.



SpryStep®
Vector KAFO



SpryStep® Flex

SpryStep®

SpryStep® Plus

SpryStep® Custom

SUGGESTED L-CODE L1950/L1940/ L1945

A durable, effective, and elegant custom AFO that meets the individual needs of a diverse patient population. Customizable from calf to toe, the SpryStep® Custom's posterior lateral strut is strategically positioned to amplify energy return and fit comfortably into most shoes.

Recommended for: *Fatigueable footdrop / footslap / footdrop / excessive plantarflexion during swing phase / weakness of the pretibial muscles ≤3 / plantar flexor strength 4 / mild knee instability during stance phase / knee hyperextension / circumduction / vaulting / high knee gait / hip hiking / contralateral trunk lean*

Features

- Available in three models to treat a variety of patient indications
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort
- Proprietary posterior lateral position of the strut increases patient compliance and energy return for activity re-engagement
- Superior cosmetic finish

Sizing

- Custom from a cast (see page 71)

Options



Contoured Footplate

All versions available with molded arch and molded inner boot or contoured footplate with no inner boot



Pre Tibial Shell

Optional pre-tibial shell (SpryStep® and SpryStep® Flex)

SpryStep® Vector

PDAC APPROVED L1950

The SpryStep® Vector AFO is an elegant, durable, patient friendly custom composite AFO. All four models feature the signature posterior lateral spiral strut that offers biomechanical and fitting advantages. Each model also includes a molded inner boot.

Recommended for: *Plantar flexor strength 0 or 1 / mild, moderate, or pronounced knee instability during stance phase / mild, moderate, or pronounced quad weakness / plantarflexion contracture / high tone / inconsistent oedema / non-correctable triplanar instability.*

Features

- Malleable heat formable thermoplastic molded inner boot and calf cuff
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Device stiffness tuned for each individual patient
- Minimalistic trimlines using material only where force systems dictate, avoiding bony prominences
- Open heel design for greater comfort
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort

Sizing

- Custom from a cast (see page 71)



Pre-Tibial Shell & Coronal Correction

Available Models



Posterior Shell



Pre-Tibial Shell



Posterior Shell & Coronal Correction





SpryStep® Vector KAFO

CUSTOM FABRICATED ORTHOSIS

SUGGESTED L-CODE L2036

Durable, versatile and lightweight, the SpryStep® Vector KAFO combines the power of modern composite manufacturing with trusted Thuasne hinge motion. Featuring four shell configurations, a variety of joint options and two molded inner boot styles, the SpryStep® Vector KAFO is the comprehensive solution giving patients the confidence they need to lead active lives.

Recommended for: patients with varying neurological lower limb deficits including:

- Polio
- Post-polio
- Multiple sclerosis
- Incomplete spinal cord injury
- Paralysis
- Cerebral vascular accident
- Traumatic brain injuries
- Complications post-surgery
- Trauma affecting lower limb function

Knee alignment concerns

- Genu varum
- Genu valgum
- Genu recurvatum



Molded inner boot comes as standard to ensure optimal triplanar control



Optional coronal correction for increased control

Brace Configurations



Anterior



Posterior



Hyperextension Resist



Flexion Resist

Apply force patterns effectively with the brace configuration that's right for your patient

Joint Options



5 Bar Knee Component

- Option 1:** Free Motion
- Option 2:** Locking with manual triggers
- Option 3:** Locking with integrated cable and Twist Release



Single Pivot Knee Component

- Option 1:** Locking with manual triggers
- Option 2:** Locking with integrated cable and Twist Release



Twist Release Mechanism

Acts as a simple release lever that can also be used to provide free motion to a locked joint



Extension Assist

Extension assist bands available on all joint configurations



Custom Carbon Locking

SUGGESTED L-CODE L1846

Recommended for: Severe instabilities that require a locking orthosis.

Features

- Full shell provides maximum control
- Premier style provides open configuration
- Manual release trigger locks
- Cable release trigger locks
- Choice of three Becker Orthopedic locking knee joints (see page 74)

Ordering

- Custom from a cast or digital leg scan (see page 71)

Custom Carbon Polio Style Knee Braces

SUGGESTED L-CODE L1846

Recommended for: Post-polio patients or for patients who require hyperextension (genu recurvatum) control.

Features

- Anterior thigh, posterior calf construction
- Significant loading forces to help suspend the brace
- Exclusive Synergistic Suspension Strap
- 5 Bar knee joints
- Optional extension assist bands

Ordering

- Custom from a cast or digital leg scan (see page 71)

INFORMATION

Additional details and ordering options from Thuasne USA

Available at [ThuasneUSA.com](https://thuasneusa.com)



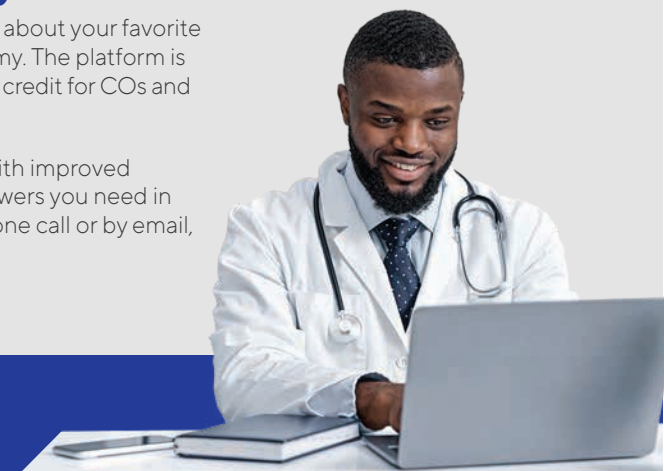
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No need to create an account or login, using only your account number you have instant access to your existing order information.

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