



THUASNE

SpryStep[®] Solutions

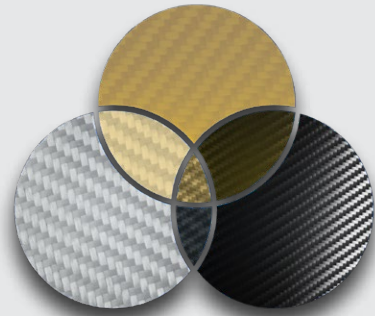
For premium OTS and
Custom AFO's and KAFO's,
SpryStep[®] has the solution.



SpryStep[®] Solutions

Advanced composite technology.

From off-the-shelf AFOs, to custom AFOs and KAFOs, the SpryStep[®] range gives clinicians the options to treat a diverse range of patient populations.



Proprietary Composite Materials

SpryStep[®] Vector

Customizable in shape and stiffness the SpryStep[®] Vector offers superior control for the most complex conditions and patients.



(available in four shell configurations)

Custom SpryStep[®]

Custom shape, molded inner boots and pre-tib shell options take the SpryStep[®], SpryStep[®] Flex, and SpryStep[®] Plus to the next level.



Flex



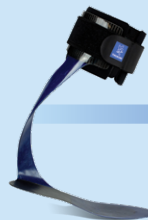
SpryStep



Plus

SpryStep[®] OTS

With four models available, the SpryStep[®] OTS range addresses a wide array of indications with variations in strut placement, ground reaction force, and stiffness.



Flex



SpryStep



Plus



Max

← Patient Activity Level (high to low)
Plantarflexor Muscle Strength MRC (high to low) →



LEVEL OF CONTROL

SPRYSTEP FEATURES



Proprietary Technology

Remarkable strength and beautiful cosmetic characteristics.



Spiral Lateral Strut

Uniquely positioned for amplified energy return, fits most shoes.



Customizable

The forefoot can be easily trimmed for a perfect fit.

SpryStep[®] OTS

PDAC Approved L1932 / L1951

Proven durability

The comprehensive range of off-the-shelf models are designed to address a wide array of indications with variations in strut placement, ground reaction force, and stiffness.



2 Million Cycles

SpryStep withstood bench testing of 2 million cycles



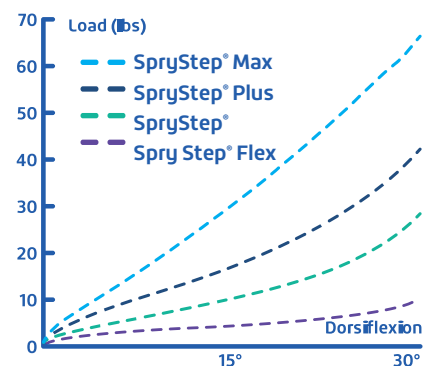
SpryStep[®] Max

Features

- Lightweight, durable composite construction
- Material diversity for strategic flexibility and stiffness
- Trimmable forefoot ensures a perfect fit
- Available in left or right
- Fits easily into most shoes



SELECTION GUIDE



Ordering:

Specify
Left or Right

SpryStep Flex & SpryStep

Size	Foot Length	Height
XS	8 ½ — 9 ⅝"	11 ¾"
SM	9 ⅞ — 10 ¼"	12 ⅝"
MD	9 ⅞ — 10 ⅞"	13 ⅜"
LG	10 ¼ — 11 ⅜"	14 ⅞"
XL	11 ⅜ — 12"	15"

SpryStep Plus

Size	Foot Length	Height to Tib Tuberosity	Calf circumference 1" below fibula head
XS	8 ½ — 9 ⅝"	13"	11 ½" — 14 ½"
SM	9 ⅞ — 10 ¼"	14 ½"	12 ¾" — 15 ¾"
MD	9 ⅞ — 10 ⅞"	15 ½"	13 ½" — 17 ½"
LG	10 ¼ — 11 ⅜"	16 ¾"	14 ¾" — 18 ¾"
XL	11 ⅜ — 12"	18"	15 ½" — 20 ½"

SpryStep Max

Size	Foot Length	Height
XS	7 ¾ — 8 ½"	13 ¼"
SM	8 ¼ — 9"	14 ½"
MD	9 — 10"	15 ½"
LG	10 — 10 ¾"	16 ½"
XL	10 ¾ — 11 ½"	16 ½"



SpryStep® Custom

Suggested L-Code L1940/L1945/L1950

Personalized Fit and Function

A durable, effective, and elegant custom AFO that meets the individual needs of each patient. 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.

Features

- Lightweight, durable composite construction prevents delamination and breakage
- Material diversity offers strategic flexibility and stiffness to enhance performance
- Fits comfortably into most shoes

Sizing: Custom from a cast or digital scan of the cast



SpryStep® Flex

The greater spiral curve of the strut and special material blend gives the SpryStep® Flex unmatched flexibility. Available Options: Molded Inner Boot, Pre-Tib Shell



SpryStep®

Launched in October, 2016, the SpryStep® is an elegant and effective solution that is incredibly durable.

Available Options: Molded Inner Boot, Pre-Tib Shell



SpryStep® Plus

An enhanced anterior ground reaction AFO with excellent dynamic properties and optimized durability

Available Options: Molded Inner Boot

Casting Instructions

Collaboration between clinician and fabricator creates the best custom AFO for a patient. That's why we're dedicated to offering clear casting guidelines as well as video instructions to help insure the process goes smoothly.

SPECIAL OFFER!

Complete SpryStep® Vector training and receive a free casting footplate/shoe caliper (one casting kit per location)



Casting Platform
(105-311)

Scan here to view our instructional **casting video** for ordering custom fabrication.



Casting Tools

Take the guesswork out of the casting process



Shoe Calipers

SpryStep® Vector

PDAC Approved L1950

Ultimate Customized Control

The SpryStep® Vector is an elegant, durable, patient friendly custom composite AFO. Featuring Thuasne USA's proprietary blend of composite materials, the SpryStep® Vector is designed to balance strength with flexibility for the perfect level of support and stability.

All four models feature Thuasne USA's signature posterior lateral strut that offers biomechanical and fitting advantages. Each model includes a molded inner boot.

Sizing: Custom from a cast or digital scan of the cast

Available in four shell configurations



Cheryl Hile

MS patient and marathon runner, Hile wears a SpryStep® Vector while she and her team runs to raise money in the fight against multiple sclerosis.

FEATURES

- Malleable heat formable thermoplastic molded inner boot
- Lightweight, durable composite construction engineered 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

ADDITIONS



* The SpryStep Vector was independently tested by mechanical engineers using a surrogate leg and a loaded cyclic testing device, achieving two million cycles with no structural deficits. Cycle testing performed by an independent lab under ISO10328 servo pneumatic test system. This standard is typically used to test prosthetic feet.

SpryStep® Vector KAFO

Suggested L-Code L2036

Performance Driven KAFO

Durable, versatile, and lightweight, the SpryStep® Vector KAFO combines the power of modern composite manufacturing with trusted Thuasne hinge technology. 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 incomplete spinal cord injury, paralysis, cerebral vascular accident, traumatic brain injuries, complications post-surgery, and trauma affecting lower limb function. Also addressing knee alignment conditions such as genu varum, genu valgum, genu recurvatum and knee flexion issues.

Sizing: Custom from a cast or digital scan of the cast

Molded inner boot comes standard to ensure optimal triplanar control



Proprietary pre-preg lamination process

Includes Thuasne's industry recognized hinge technology

Incorporates Thuasne USA's SpryStep® AFO technology

Optional coronal plane extension for increased knee control



JOINT OPTIONS



Five Bar Knee Component

Optional free motion, locking with manual triggers, or locking with integrated cable & twist release



Single Pivot Component

Optional locking with manual triggers, or locking with integrated cable and twist release



Twist Release Mechanism

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



Extension Assist

Extension assist bands available on all joint configurations



SpryStep[®] Pediatric

PDAC Approved L1951

A dynamic AFO for dynamic kids!

SpryStep[®] Pediatric



Features

- Lightweight, composite construction prevents delamination and breakage
- Trimmable toe, medial footplate, and calf cuff
- Increased flexibility for active kids
- Posterior lateral strut amplifies energy return
- Fits easily into most shoes

Recommended for: Footdrop / Idiopathic toe walking / mild knee hyperextension / mild foot and ankle tri-planar instability

Size	Foot Length Min	Max	Height Min	Max
XS	3 1/2"	5 3/4"	6 1/4"	7
SM	4 1/4"	6 1/4"	7 1/2"	8 1/4"
MD	5	7	8 3/4"	9 1/2"
LG	5 1/2"	7 1/2"	9 3/4"	10 1/2"
XL	6	8	11	11 3/4"

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



Anterior



Posterior



Hyperextension Resist



Flexion Resist

SpryStep[®] Carbon Footplate

Enhances natural gait!



- Integrated toe ramp
- Rigid carbon core for great energy return
- Trimmable for easy customization
- Fits comfortably in most footwear

Shoe Size	Woman's	Men's
SM	5 - 10	6 - 8 ½
MD	8 ¼ - 12	7 - 10
LG	11 - 15 ½	9 - 12
XL	—	11 - 14
2X	—	13 - 16

Advanced Composite Technology to Improve Clinical/Patient Outcomes

Wide-Ranging Solutions

Thuasne USA now offers five reliable OTS carbon AFOs along with an all-encompassing custom AFO and KAFO range, that allow you to address a wide variety of clinical presentations.

Proven Durability

For a diverse range of clinical indications and patient needs, you can rely on the performance, quality and durability of our growing range of composite AFOs. The SpryStep[®], Flex, Max, and Plus were independently tested by mechanical engineers using a surrogate leg and a loaded cyclic testing device, achieving two million cycles with no structural deficits.

Custom Coding Guide

Product	Add-ons						Weight limit
	Suggested Base Code	L2755 Carbon Graphite Lamination	L2820 Below Knee Padding	L2280 Molded Inner Boot	L2340 Pre-tib Shell	L2275 Coronal Correction	
SpryStep Flex, Contoured Footplate	L1940	✓	✓		Optional		300lbs
SpryStep Flex, Molded Inner Boot	L1950	✓	✓	✓	Optional		350lbs
SpryStep Contoured Footplate	L1940	✓	✓		Optional		300lbs
SpryStep Molded Inner Boot	L1950	✓	✓	✓	Optional		350lbs
SpryStep Plus, Contoured Footplate	L1945	✓					250lbs
SpryStep Plus, Molded Inner Boot	L1945	✓					300lbs
SpryStep Vector	L1950	✓	✓	✓	Optional	Optional	350lbs

Thuasne USA's suggested uses of Medicare billing codes are developed based on nationally accepted industry standards and billing practices, they do not ensure a specific device will be reimbursed. It is the responsibility of the provider to abide by lawful Medicare billing practices and Thuasne USA is not liable for the denial of reimbursements when it comes to the use of suggested billing codes.

**Cycle-testing performed by an independent lab under ISO10328 servo pneumatic test system. This standard is typically used to test prosthetic feet.*

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