

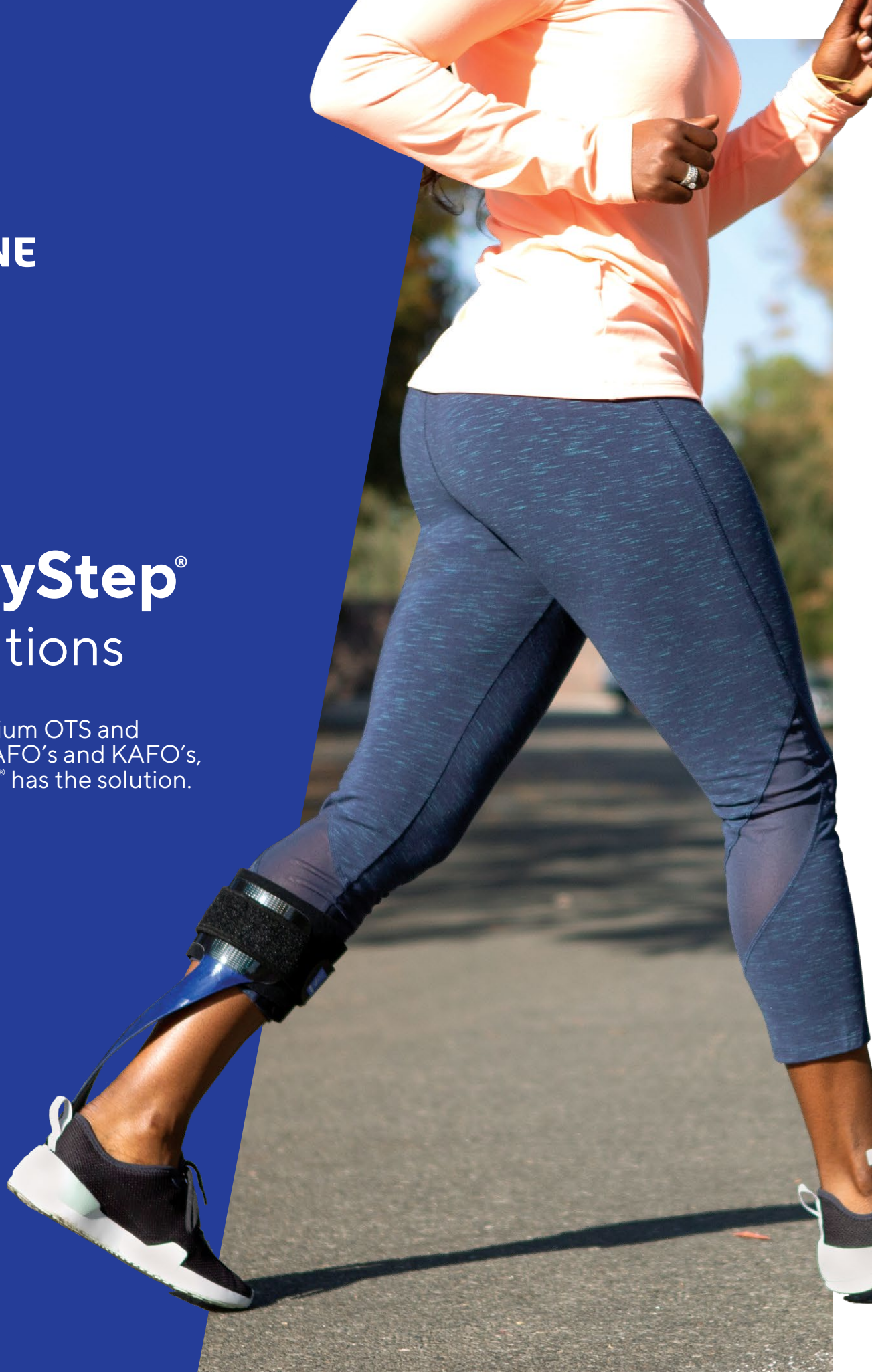


**THUASNE**

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# SpryStep<sup>®</sup> Solutions

For premium OTS and  
Custom AFO's and KAFO's,  
SpryStep<sup>®</sup> has the solution.

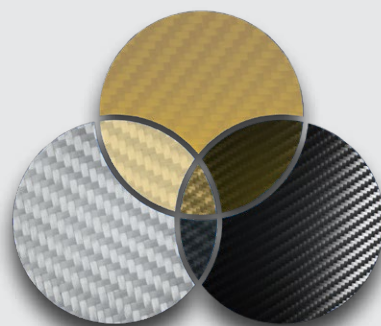




# SpryStep® Solutions

## 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.



*Vector (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



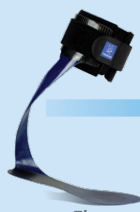
SpryStep



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



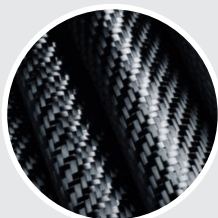
Max

Patient Activity Level (high to low)

Plantarflexor Muscle Strength MRC (high to low)

LEVEL OF CONTROL

## SPRYSTEP FEATURES



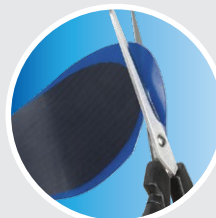
### Proprietary Technology

*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<sup>®</sup> OTS

PDAC Approved L1932 / L1951

## Proven durability.

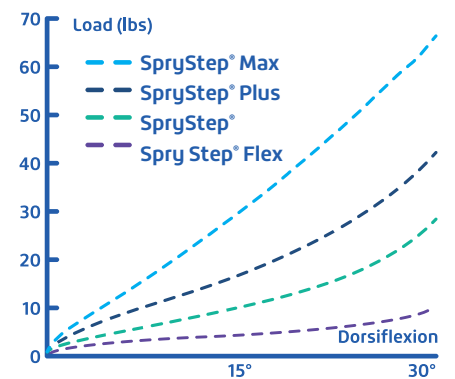
The comprehensive range of off-the-shelf models are designed to address a wide array of indications with variations in strut placement, ground reaction force and stiffness.



SpryStep<sup>®</sup> Max



## SELECTION GUIDE



## 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

## 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 ⅝ — 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 ⅝" — 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



### 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

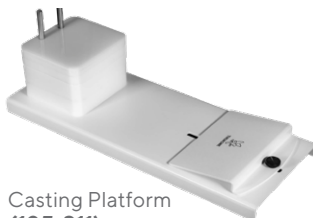
Collaboration between clinician and fabricator creates the best custom AFO for a patient. That's why we're dedicated to offering clear casting guidelines as well as video instructions to help insure the process goes smoothly.

Scan here to view our instructional **Casting Video** for ordering custom fabrication.



## SPECIAL OFFER!

With the completion the SpryStep Vector Training receive a free casting footplate/shoe caliper (one casting kit per location)



Casting Platform  
(105-311)

## 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



## Available In Four Shell Configurations



## FEATURES

- Malleable heat formable thermoplastic molded inner boot and calf cuff
- 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 Townsend 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

Proprietary pre-preg lamination process

Includes Townsend Design's industry recognized hinge technology

Incorporates Thuasne USA's SpryStep® AFO technology

Optional coronal plane extension for increased knee control

Molded inner boot comes standard to ensure optimal triplanar 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 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





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



PDAC Approved L1951

**SpryStep®  
Pediatric**

**Kid Tough AFO**

#### 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

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"

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

# SpryStep<sup>®</sup> Carbon Footplate

- 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 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<sup>®</sup>, SpryStep<sup>®</sup> Flex, SpryStep<sup>®</sup> Max, and SpryStep<sup>®</sup> 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.

### 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 Varus Correction	
<b>SpryStep Flex, Contoured Footplate</b>	L1940	✓	✓		Optional		300lbs
<b>SpryStep Flex, Molded Inner Boot</b>	L1950	✓	✓	✓	Optional		350lbs
<b>SpryStep Original, Contoured Footplate</b>	L1940	✓	✓		Optional		300lbs
<b>SpryStep Original, Molded Inner Boot</b>	L1950	✓	✓	✓	Optional		350lbs
<b>SpryStep Plus, Contoured Footplate</b>	L1945	✓					250lbs
<b>SpryStep Plus, Molded Inner Boot</b>	L1945	✓					300lbs
<b>SpryStep Vector</b>	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 reimbursement 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.

**Thuasne USA**  
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