



// Product Catalog



**THE SURESTEP STORY //** Surestep products have improved the quality of life for thousands of kids. But it all started with just one.

Orthotist and Surestep founder Bernie Veldman had a problem. To address his son's pronation, he faced two options: settle for the harsh orthotics of the day or create something better. He chose the latter. Through dozens of prototypes, the Surestep SMO was born. Since then it has revolutionized orthotic management for children with hypotonia.

Today, Surestep specializes in custom-made lower extremity devices for kids. But we've expanded to include knee, trunk, and even adult solutions.

- **CATALOG CONTENTS**
- Pediatric Custom Products
- Prefabricated Products
- Adult Products
- Central Fabrication

» Made from measurements

» Unique trim lines

» Compression method

» Flexible plastic

innovations

## Quick turnarounds

<b>SMOs</b>	
Measurements .....	2 Days
Cast/Scan.....	4 Days
<b>Big Shots &amp; AFOs</b>	
Measurements, Cast or Scan .....	4 Days
<b>TLSOs &amp; HEKOs</b>	
Measurements .....	4 Days
Cast/Scan.....	5 Days
<i>Based on Surestep's hours of operation</i>	

## Free shipping on custom orders!

- » Once manufacturing is complete, Surestep custom orders ship via UPS ground, free of charge. *Additional charges apply for upgraded shipping.*
- » Shipping will take between 1-5 business days depending on your location in respect to the Surestep manufacturing facility in South Bend, IN.

## Contact Information

**17530 Dugdale Drive, South Bend, IN 46615**  
Phone 877.462.0711 | Fax 866.700.7837

**Hours of Operation**  
Monday - Thursday 7:30 a.m. - 6:00 p.m. EST

Visit us at [surestep.net](http://surestep.net) for more information.

Surestep can make a really big difference in your child's life. They will be more confident and stable on their feet because of our products.

Bernie Veldman, CO, Founder of Surestep



# SMO & big shot

**SMO** // Surestep's dynamic SMO uses compression to stabilize the foot and ankle, allowing for the development of intrinsic muscles, muscle strategies, and movement patterns.

**BIG SHOT** // Designed with an inner boot for active children who still need the stability of an SMO. Cutouts allow for boney prominences.

**WEIGHT LIMITATIONS**  
SMO: Up to 80 lbs.  
Big Shot Lite: 50 - 90 lbs.  
Big Shot: Over 80 lbs.

Custom made to measurements. Casts and measurements required when #5 measurement exceeds 3".



Surestep SMO



Big Shot SMO

## modifications

Open Heel



Toe Walking  
Extended proximal height



Clubfoot  
Reverse trim lines & abducted forefoot



Metatarsus Adductus  
Reverse trim lines



### INDICATIONS

Pronation, hypotonia, triplanar instability in weight bearing, inability to stand independently, mild toe walking, *boney prominences (Big Shot only)*



### CONTRAINDICATIONS

Hypertonia, spasticity, severe toe walking

## Spotlight: Toe Walking

Instead of blocking plantarflexion, this modification facilitates a heel-toe gait pattern by using compression and adding a posterior tongue extension. This provides a kinesthetic reminder to stay down.



## Spotlight: Open Heel

This modification improves proprioception and anterior weight shifts. To avoid pinching, a thin molded inner boot is added.



## Customize Your Braces!

30+ fun, vibrant patterns for your patients to choose from. Check out our website to view all designs and be sure to download updated forms to stay current with our latest collection.



# AFO

Custom made to measurements. Casts and measurements required when #5 measurement exceeds 3".


## ADVANCED




**ADVANCED //** Fixed ankle AFO easily transitions to a standard Surestep SMO.

**MODIFICATIONS**  
Full foot plate, Surestep trim line

**WEIGHT LIMITATIONS**  
Patients up to 80 lbs.

 **INDICATIONS**  
Pronation, hypotonia, joint hypermobility, delayed standing, inability to stand for prolonged times

 **CONTRAINDICATIONS**  
Strong spasticity, significant contractures, significant foot deformities

## PULLOVER




**PULLOVER //** Articulating dorsiflexion assist AFO that can be converted to a SMO by removing the proximal strut. PF stop not available.

**MODIFICATION**  
South Bend Pullover (Removable SMO without attachment site for hinge)

**WEIGHT LIMITATIONS**  
Patients up to 80 lbs.

 **INDICATIONS**  
Pronation, hypotonia, mild-hemiplegia, drop foot, weakened dorsiflexors, sagittal plane instability

 **CONTRAINDICATIONS**  
Significant spasticity, tight heel cords, fixed deformities of the foot, tight peroneals


## HINGED




**HINGED //** An articulating AFO with free motion hinges or dorsiflexion assist hinges that has an adjustable plantar flexion stop.

**MODIFICATIONS**  
Dorsiflexion assist, molded inner boot

**WEIGHT LIMITATIONS**  
Patients up to 100 lbs.

 **INDICATIONS**  
Pronation, supination, triplanar instability, mild toe-walking, genu-recurvatum, mild foot drop

 **CONTRAINDICATIONS**  
Severe spastic involvement, ankle contracture restricting passive dorsiflexion, ROM beyond 90°


## BIG SHOT AFO



**BIG SHOT AFO //** Fixed ankle AFO that provides relief for bony prominences.

**MODIFICATION**  
Can include accommodations (wedges, posts, etc.) for reduced range of motion.

**WEIGHT LIMITATIONS**  
Patients over 80 lbs. (no upper weight limit)

 **INDICATIONS**  
Pronation, supination, hypotonia, hypertonia, limited weight bearing

 **CONTRAINDICATIONS**  
Significant ambulation



# indy 2

**INDY 2 STAGE** // Dynamic AFO/ SMO that provides triplanar stability without restricting usage of intrinsic musculature of the foot.

**WEIGHT LIMITATIONS**  
Patients up to 100 lbs.

Custom made to measurements. Casts and measurements required when #5 measurement exceeds 3".



Indy 2 Stage with Toe Walking SMO

## modifications

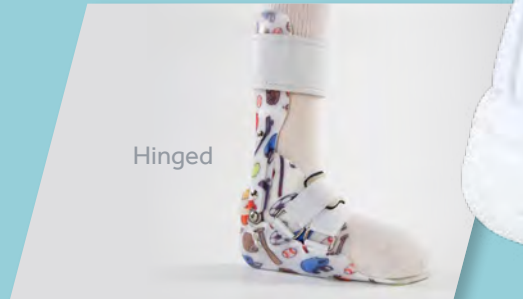
PLS



Solid Ankle



Hinged



### AFO

- » Articulated
- » Dual adjustable
- » PLS
- » Dorsiflexion assist
- » Solid
- » Floor reaction

### SMO

- » Toe walking
- » Open heel

Photo // Surestep Free Motion Hinge with Plantarflexion Stop

*Also available using Tamarack Free Motions or Tamarack Dorsi Assist*



### INDICATIONS

Hypotonia, hypertonia, flexible pronation or supination, poor proprioceptive awareness, difficulty with transitional skills, sagittal and/or frontal plane weakness or instability, mild to moderate spasticity



### CONTRAINDICATIONS

Significant ankle contracture, severe spastic involvement

## Earn Free CEUs From Your Computer

[surestepacademy.com](http://surestepacademy.com)

**ON DEMAND** // Our online, on-demand courses allow you to learn at your convenience. Browse a variety of topics.

**IN PERSON** // Certified and trained education consultants travel nationwide to teach O&P professionals as well as physical therapists.

**ONLINE** // Surestep webinars deliver the same educational content as in person courses, but in a more convenient format, live streamed to your computer! The interactive web interface has been designed to engage attendees and invites all to participate in the online classroom.



# knee & trunk

Custom made to measurements, casts or scans.

## HEKO



**HEKO //** Hyperextension knee orthosis with 4-axis hinge to stabilize the knee in all three planes while allowing full flexion and extension. Hinges can be sold separately.

### MODIFICATION

Can be fabricated using low-density polyethylene for a more pliable brace and a more compressive fit

### WEIGHT LIMITATIONS

Patients up to 100 lbs.



### INDICATIONS

Knee Instability, genu-recurvatum, flexible genu-valgum or genu-varum



### CONTRAINDICATIONS

Fluctuating edema

## TLSO



**TLSO //** Extremely flexible custom molded trunk stabilization orthosis.

### VARIATIONS

Early Intervention (.75mm), standard (1.25mm), adult (2mm)

### MODIFICATIONS

Gill modifications, anterior/posterior openings, G-tube/bac pumps, abdominal cutout



### INDICATIONS

Inability to control position in wheelchair, postural instabilities of the trunk, flexible kyphosis or lordosis



### CONTRAINDICATIONS

Fixed scoliotic curvatures, adolescent idiopathic scoliosis, severe respiratory limitations



## Shoes

Surestep shoes are custom-designed specifically for children who wear orthoses. Their low profile and highly functional design allow for adequate room and a comfortable fit. A special "cut-line" allows for easy shoe modifications.

Sizes range from 3T - 3Y (no half sizes)

[surestepshop.com](http://surestepshop.com)

Wide/deep heel, toe box and instep

Decreased number of eyelets for easier donning and doffing

Two removable insoles for perfect fit

Unique tread promotes intrinsic movement and flexibility

**YOUTH STYLES**  
Sizes 10-3Y

**TODDLER STYLES**  
Sizes 3T-9T



## NEW STYLES MORE SIZES

We have added four new, colorful designs to our line of footwear in addition to the original Surestep shoes.



## HEKO



**HEKO //** Integrating the same 4-axis knee hinge as our custom HEKO, this flexible version allows for even more adjustability.

**WEIGHT LIMITATIONS**  
Patients up to 50 lbs.

Sizes: S, M, L, XL  
Color options: Purple or Black



**INDICATIONS**  
Knee instability, genu-recurvatum, flexible genu-valgum or genu-varum



**CONTRAINDICATIONS**  
Fluctuating Edema

## CRISS CROSSERS



**CRISS CROSSERS //** Discourages w-sitting by using a unique audio cue to remind children to change their position. This design can be worn under most regular clothing and will fit most infants, and small children. The small sealed battery (similar to one found in a watch) and tone generator easily unplug to allow normal cleaning and care.

Sizes: XS, S, M, L



**INDICATIONS**  
W-Sitting



**CONTRAINDICATIONS**  
Significant genu-valgum, hearing impairment

## DEROTATION STRAPS



**DEROTATION STRAPS //** Dynamic control for mild femoral or tibial rotation. Latex-free elastic strap system attaches to shoelaces or to an orthoses. Low-profile design easily hides under clothing.

Custom Fit Sizes: Pediatric or Adult  
Can be custom made to measurements



**INDICATIONS**  
Flexible internal or external femoral or tibial rotation



**CONTRAINDICATIONS**  
Fixed rotational deformities



## Components

In addition to the Surestep product line, we offer a range of components sold separately for clinicians to utilize for in-house fabrication.

**DA HINGE //** Design allows AFOs to be fabricated with thin, light weight plastic. Easily adjusted for specific ROM.

**HEKO HINGE //** The only 4-axis pediatric hinge available. Perfect for use in KAFOs, knee orthoses and elbow orthoses. It is lightweight and low profile. Adjustable extension allows specific range of motion limitations. Available in adult and pediatric sizing.



**FREE MOTION HINGE //** Low profile, cost effective, and easy to use. No alignment rod or jig necessary. These hinges can be visually aligned, formed and pulled within minutes, saving valuable fabrication time.



## STABILIZER



**STABILIZER //** The Stabilizer facilitates triplanar stability through compression. It also allows clearance during swing phase for patients with drop foot. A molded inner boot provides consistent proprioceptive input through distribution of forces and circumferential compression.

*Custom made to measurements*



**INDICATIONS** Muscle weakness, ataxia, decreased balance response, gait abnormality, osteoarthritis (localized primarily in ankle/foot), arthropathy (ankle/foot), pain or instability of ankle/foot, mild drop foot, hemiplegia, MS



**CONTRAINDICATIONS** PTTD, Charcot foot, spasticity

## DCO



**DCO //** The Dynamic Cervical Orthosis is a solution offered for the treatment of head drop. It supports a neutral, midline position, while allowing normal movement. Resistance bands facilitate the strengthening of the musculature of the neck, while assisting with re-centering in midline.

*Prefab sizes: Infant, pediatric, adult  
Can be custom made to measurements*



**INDICATIONS** Neck weakness, head drop (ptosis), Parkinson's disease, Multiple sclerosis, myopathy, ALS, poor head control due to hypotonic cerebral palsy



**CONTRAINDICATIONS** Rigidity of neck musculature, fusion of cervical vertebrae, fixed neck position



## Solutions For All Ages!

### Gauntlet Series

Embrace the new standard of high performance. The Surestep Gauntlet Series excels in patient outcomes and offers a superior approach to traditional custom leather ankle support systems.

**DYNASTRIDE (MILD) //** Mild ankle arthritis or DJD, ankle, subtalar, or midtarsal instability, mild sprains

**DRG FLEX (MODERATE) //** Moderate PTTD, moderate ankle arthritis or DJD

**DRG (SEVERE) //** Severe PTTD, severe ankle arthritis or DJD



Dynastride (Mild)

DRG Flex (Moderate)

DRG (Severe)



## ➤ Go beyond our product line

Unique patients require unique solutions. We have you covered. With **Surestep Central Fabrication**, you get access to the experience and knowledge needed to create truly dynamic custom orthoses. Less time in the lab allows you to more easily manage your profitability, costs, and schedule.

**KAFO**



**AFO**



- // Quality fabrication
- // Personalized service
- // Quick turn-around time
- // Competitive pricing
- // Custom to measurements

➤ And for even **greater savings**, ask about our prep option!