



 **surestep**

// Product Catalog

grow with us

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



Quick turnarounds guaranteed!

SMOs

Measurements 2 Days

Cast 4 Days

Big Shots & AFOs (casts required)..... 4 Days

TLSOs & HEKOs

Measurements 4 Days

Cast 5 Days

Based on Surestep's hours of operation

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.

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

Contact Information

17530 Dugdale Drive, South Bend, IN 46615

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Hours of Operation

Monday - Thursday 7:30 a.m. - 6:00 p.m. EST

Visit us at surestep.net for more information.

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





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.



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



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.

VARIATIONS

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 with removable strut, allowing for use as an SMO as needed. PF stop not available.

MODIFICATION

Removable SMO

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.

VARIATIONS

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

variations

PLS



Solid Ankle



Articulated



AFO

- » Articulated
- » Dual action
- » 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 Dorsiassist



Earn Free CEUs From Your Computer

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.



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

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



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: 3T - 12Y (no half sizes)

Color options: White & blue trim, white & pink trim, solid black

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



prefabricated

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.

*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 and use of a carbon fiber strut. 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



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



**Not Just
For Kids!**



**Solutions For
All Ages!**

To learn more about
Surestep's adult solutions, call
877.462.0711 to speak with one
of our certified orthotists.

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



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

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

