



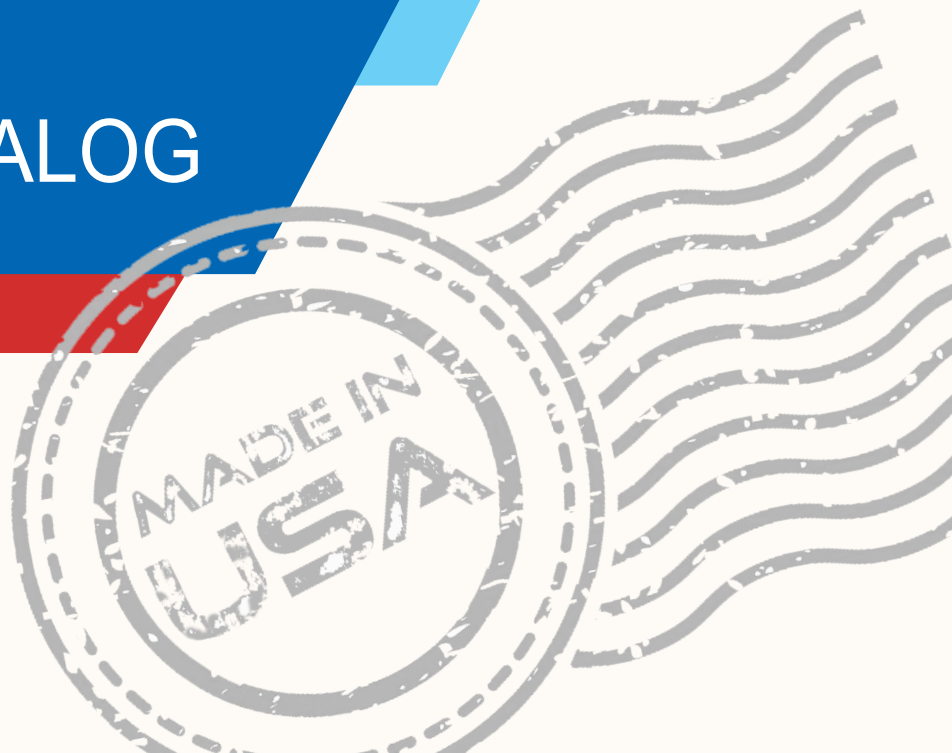
Together

**KINETIC
RESEARCH**

& You

The Next Generation of Carbon Fiber Orthoses & Prostheses

Summer 2021
PRODUCT CATALOG



ABOUT KINETIC RESEARCH



Kinetic Research supports practitioners and clinics around the world with devices that incorporate patented technology and proprietary designs making them lighter, stronger and more flexible than standard carbon fiber braces.

The key is the Dynamic Energy Return Strut (D.E.R.S.) providing flexibility that absorbs and releases kinetic energy. This patented design flexes and absorbs weight loads well past the point where standard carbon fiber braces fail and break.

Kinetic Research offers a variety of Prefabricated and Custom devices each with its own character and effect to meet the individual needs of the user. Our mobility-solution devices provide stability and support to the lower extremities for a wide range of temporary or permanent musculoskeletal disorders.

All products have a one-year warranty and are made in the USA with American labor and materials.

Some of you have been with us since we opened almost 30 years ago. Regardless of how long you have been a part of the Kinetic Research family, we appreciate you.

As we work to continuously enhance our product offerings, a small price increase will go into effect on July 1 for Prefabricated and Build-to-Order AFOs only.

We also want to remind and encourage you to take advantage of our Direct-to-Practitioner business model.



We've eliminated the distributor, so not only does it save you money, but it increases efficiency by giving you direct access to our manufacturing lab and our certified staff for design and features exclusive to your patient.

All of our products are crafted with your patient's height, weight and activity level in mind. By working together, we can help you achieve the desired fit and function the first time, avoiding additional charges and restocking fees.

We appreciate your continued loyalty and support. If you have any questions, please call.

Wade Bader
President & CPO

Together
**KINETIC
RESEARCH**
& You



MADE IN AMERICA



Wade Bader founded Kinetic Research in 1994. The newly built 30,000 square foot state-of-the-art manufacturing lab is located in Tampa, Florida, just 10 minutes from Tampa International Airport.



Kinetic Research offers a full line of composite orthotics, both custom and prefabricated for children and adults. All products have a one-year warranty and are made in the USA with American labor and materials.



From easy to fit prefabricated AFOs to highly customizable KAFOs, patients find increased comfort and gain greater confidence with our lightweight, dynamic designs.

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Noodle Family

- See pages 25-27 for available accessories and options
- To order use PREFAB, BUILD TO ORDER or CUSTOM NOODLE AFO ORDER FORM found online or in this catalog

Posterior Noodle AFO



Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	PNPXSL	7"	5 1/2"	\$ 235
	Right Lateral	PNPXSR	7"	5 1/2"	\$ 235
	Left Medial	PNPXSL-M	7"	5 1/2"	\$ 235
	Right Medial	PNPXSR-M	7"	5 1/2"	\$ 235
Small	Left Lateral	PNPSML	8"	6"	\$ 235
	Right Lateral	PNPSMR	8"	6"	\$ 235
	Left Medial	PNPSML-M	8"	6"	\$ 235
	Right Medial	PNPSMR-M	8"	6"	\$ 235
Medium	Left Lateral	PNPMDL	9"	6 1/2"	\$ 235
	Right Lateral	PNPMDR	9"	6 1/2"	\$ 235
	Left Medial	PNPMDL-M	9"	6 1/2"	\$ 235
	Right Medial	PNPMDR-M	9"	6 1/2"	\$ 235
Large	Left Lateral	PNPLGL	10"	7"	\$ 235
	Right Lateral	PNPLGR	10"	7"	\$ 235
	Left Medial	PNPLGL-M	10"	7"	\$ 235
	Right Medial	PNPLGR-M	10"	7"	\$ 235
X-Large	Left Lateral	PNPXLL	11"	8"	\$ 235
	Right Lateral	PNPXLR	11"	8"	\$ 235
	Left Medial	PNPXLL-M	11"	8"	\$ 235
	Right Medial	PNPXLR-M	11"	8"	\$ 235

Anterior Noodle AFO



Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	PNAXSL	7 1/2"	5 1/2"	\$ 285
	Right Lateral	PNAXSR	7 1/2"	5 1/2"	\$ 285
	Left Medial	PNAXSL-M	7 1/2"	5 1/2"	\$ 285
	Right Medial	PNAXSR-M	7 1/2"	5 1/2"	\$ 285
Small	Left Lateral	PNASML	8 1/2"	6"	\$ 285
	Right Lateral	PNASMR	8 1/2"	6"	\$ 285
	Left Medial	PNASML-M	8 1/2"	6"	\$ 285
	Right Medial	PNASMR-M	8 1/2"	6"	\$ 285
Medium	Left Lateral	PNAMD	9 1/2"	6 1/2"	\$ 285
	Right Lateral	PNAMDR	9 1/2"	6 1/2"	\$ 285
	Left Medial	PNAMD-M	9 1/2"	6 1/2"	\$ 285
	Right Medial	PNAMDR-M	9 1/2"	6 1/2"	\$ 285
Large	Left Lateral	PNALGL	10 3/4"	7"	\$ 285
	Right Lateral	PNALGR	10 3/4"	7"	\$ 285
	Left Medial	PNALGL-M	10 3/4"	7"	\$ 285
	Right Medial	PNALGR-M	10 3/4"	7"	\$ 285
X-Large	Left Lateral	PNAXLL	11 3/4"	8"	\$ 285
	Right Lateral	PNAXLR	11 3/4"	8"	\$ 285
	Left Medial	PNAXLL-M	11 3/4"	8"	\$ 285
	Right Medial	PNAXLR-M	11 3/4"	8"	\$ 285



Carbon Fiber AFO's are better for children than Plastic AFOs and here's why -

Carbon Fiber AFO	vs	Plastic AFO
Dynamic		Rigid
Sleek Design		Bulky Design
Dependable		Unreliable
Comfortable		Constricted
Greater Range of Motion		Restrictive
More Normal Gait		Hardened Heel Strike

All of our pediatric devices are a favorite with practitioners because of their lightweight and dynamic designs. From simple prefabricated AFOs to more complex custom orthotics like the ones below, our staff can work with you to create a device to support the unique needs of your patient.



Soto AFO

Side Element AFO

KAFO

Posterior AFO w/SMO

Anterior AFO w/SMO



Nano Family

- See pages 25-27 for available accessories and options
- To order use PREFAB or CUSTOM NANO AFO ORDER FORM found online or in this catalog

Posterior Nano AFO



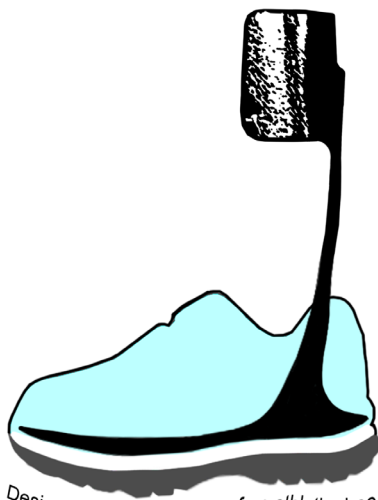
Size	Description	Part Number	Height	Fooplate	Price
X-Small	Left Lateral	PDPXSL	7"	5 ½"	\$ 255
	Right Lateral	PDPXSR	7"	5 ½"	\$ 255
	Left Medial	PDPXSL-M	7"	5 ½"	\$ 255
	Right Medial	PDPXSR-M	7"	5 ½"	\$ 255
Small	Left Lateral	PDPSML	8"	6"	\$ 255
	Right Lateral	PDPSMR	8"	6"	\$ 255
	Left Medial	PDPSML-M	8"	6"	\$ 255
	Right Medial	PDPSMR-M	8"	6"	\$ 255
Medium	Left Lateral	PDPMDL	9"	6 ½"	\$ 255
	Right Lateral	PDPMDR	9"	6 ½"	\$ 255
	Left Medial	PDPMDL-M	9"	6 ½"	\$ 255
	Right Medial	PDPMDR-M	9"	6 ½"	\$ 255
Large	Left Lateral	PDPLGL	10"	7"	\$ 255
	Right Lateral	PDPLGR	10"	7"	\$ 255
	Left Medial	PDPLGL-M	10"	7"	\$ 255
	Right Medial	PDPLGR-M	10"	7"	\$ 255
X-Large	Left Lateral	PDPXLL	11"	8"	\$ 255
	Right Lateral	PDPXLR	11"	8"	\$ 255
	Left Medial	PDPXLL-M	11"	8"	\$ 255
	Right Medial	PDPXLR-M	11"	8"	\$ 255

Anterior Nano AFO

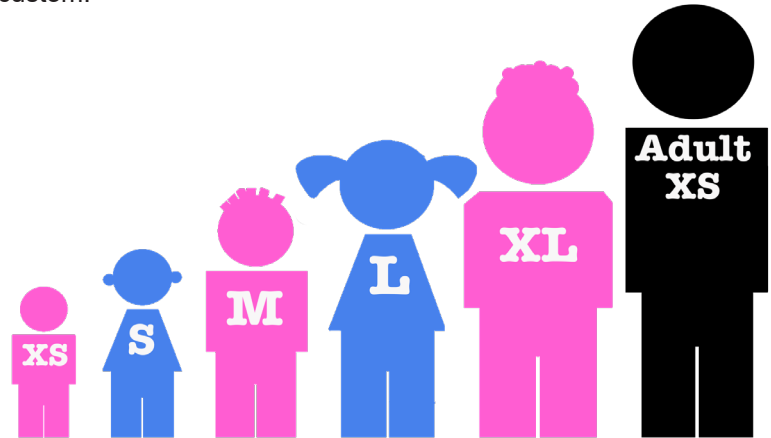


Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	PDAXSL	7 ½"	5 ½"	\$ 305
	Right Lateral	PDAXSR	7 ½"	5 ½"	\$ 305
	Left Medial	PDAXSL-M	7 ½"	5 ½"	\$ 305
	Right Medial	PDAXSR-M	7 ½"	5 ½"	\$ 305
Small	Left Lateral	PDASML	8 ½"	6"	\$ 305
	Right Lateral	PDASMR	8 ½"	6"	\$ 305
	Left Medial	PDASML-M	8 ½"	6"	\$ 305
	Right Medial	PDASMR-M	8 ½"	6"	\$ 305
Medium	Left Lateral	PDAMDL	9 ½"	6 ½"	\$ 305
	Right Lateral	PDAMDR	9 ½"	6 ½"	\$ 305
	Left Medial	PDAMDL-M	9 ½"	6 ½"	\$ 305
	Right Medial	PDAMDR-M	9 ½"	6 ½"	\$ 305
Large	Left Lateral	PDALGL	10 ¾"	7"	\$ 305
	Right Lateral	PDALGR	10 ¾"	7"	\$ 305
	Left Medial	PDALGL-M	10 ¾"	7"	\$ 305
	Right Medial	PDALGR-M	10 ¾"	7"	\$ 305
X-Large	Left Lateral	PDAXLL	11 ¾"	8"	\$ 305
	Right Lateral	PDAXLR	11 ¾"	8"	\$ 305
	Left Medial	PDAXLL-M	11 ¾"	8"	\$ 305
	Right Medial	PDAXLR-M	11 ¾"	8"	\$ 305

Until now, the Pediatric Noodle left a gap from the XLarge Pediatric to the XSmall Adult. With our new line of Nanos, your patient can smoothly transition from a pediatric size to an adult size without fitting issues. This innovative design is offered prefabricated or custom.



Designed to fit the curves of an athletic shoe



Along with our patented strut, we have enhanced the easy-to-trim footplate with a slightly contoured heel cup. The result is a better fit in an athletic shoe. This less bulky design has all the patented dynamic properties and durability that allows active patients the ability to run, jump, and play.

- See opposite page for descriptions and part numbers

If the Nano is not the right orthosis for your patient, any of our adult custom devices can be modified for children. You can also add a custom finish to make it more fun for your patient.

- See page 27 for color choices



ADULT

Hemi-Spiral Noodle AFO



- Dynamic and durable AFO
- Patented D.E.R.S. Design - Dynamic Energy Return Strut
- Quick and easy solution for Drop Foot
- Positions foot for safety during swing phase
- Dampens heel strike and prevents foot slap
- Allows for a variety of footwear options
- See pages 25-27 for available accessories and options

- To order use PREFABRICATED AFO ORDER FORM found online or page 30

Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	NPPXSL	12"	8 ½"	\$ 255
	Right Lateral	NPPXSR	12"	8 ½"	\$ 255
	Left Medial	NPPXSL-M	12"	8 ½"	\$ 255
	Right Medial	NPPXSR-M	12"	8 ½"	\$ 255
Small	Left Lateral	NPPSML	13 ½"	9 ½"	\$ 255
	Right Lateral	NPPSMR	13 ½"	9 ½"	\$ 255
	Left Medial	NPPSML-M	13 ½"	9 ½"	\$ 255
	Right Medial	NPPSMR-M	13 ½"	9 ½"	\$ 255
Medium	Left Lateral	NPPMDL	15"	10 ½"	\$ 255
	Right Lateral	NPPMDR	15"	10 ½"	\$ 255
	Left Medial	NPPMDL-M	15"	10 ½"	\$ 255
	Right Medial	NPPMDR-M	15"	10 ½"	\$ 255
Large	Left Lateral	NPPLGL	16"	11"	\$ 265
	Right Lateral	NPPLGR	16"	11"	\$ 265
	Left Medial	NPPLGL-M	16"	11"	\$ 265
	Right Medial	NPPLGR-M	16"	11"	\$ 265
X-Large	Left Lateral	NPPXLL	17"	11 ½"	\$ 275
	Right Lateral	NPPXLR	17"	11 ½"	\$ 275
	Left Medial	NPPXLL-M	17"	11 ½"	\$ 275
	Right Medial	NPPXLR-M	17"	11 ½"	\$ 275
XX-Large	Left Lateral	NPPXXL	18"	12"	\$ 285
	Right Lateral	NPPXXR	18"	12"	\$ 285
	Left Medial	NPPXXL-M	18"	12"	\$ 285
	Right Medial	NPPXXR-M	18"	12"	\$ 285

The Hemi-Spiral Noodle AFO provides greater flexibility and durability than standard carbon fiber AFOs. The strut originates on the medial or lateral footplate and spirals around to the opposite cuff side providing rotational support and motion. The patented strut provides dorsiflexion assist during swing phase, as well as allow plantarflexion assist at terminal stance to simulate normal ankle musculature resulting in an improved gait. This AFO is a great solution for users with varying degrees of drop foot. The hemi-spiral Noodle AFO is highly customizable. See Build to Order options on page 16 and Custom options on page 17.

ADULT

Classic Noodle AFO



- The original Noodle AFO design
- Durable and dynamic AFO
- Patented D.E.R.S. Design - Dynamic Energy Return Strut
- Quick and easy solution for Drop Foot
- Positions foot for safety during swing phase
- Dampens heel strike and prevents foot slap
- Flexes in the line of progression
- Allows for a variety of footwear options
- See pages 25-27 for available accessories and options
- To order use PREFABRICATED AFO ORDER FORM found online or page 30

Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	NCLXSL	12"	8 ½"	\$ 255
	Right Lateral	NCLXSR	12"	8 ½"	\$ 255
	Left Medial	NCLXSL-M	12"	8 ½"	\$ 255
	Right Medial	NCLXSR-M	12"	8 ½"	\$ 255
Small	Left Lateral	NCLSML	13 ½"	9 ½"	\$ 255
	Right Lateral	NCLSMR	13 ½"	9 ½"	\$ 255
	Left Medial	NCLSML-M	13 ½"	9 ½"	\$ 255
	Right Medial	NCLSMR-M	13 ½"	9 ½"	\$ 255
Medium	Left Lateral	NCLMDL	15"	10 ½"	\$ 255
	Right Lateral	NCLMDR	15"	10 ½"	\$ 255
	Left Medial	NCLMDL-M	15"	10 ½"	\$ 255
	Right Medial	NCLMDR-M	15"	10 ½"	\$ 255
Large	Left Lateral	NCLLGL	16"	11"	\$ 265
	Right Lateral	NCLLGR	16"	11"	\$ 265
	Left Medial	NCLLGL-M	16"	11"	\$ 265
	Right Medial	NCLLGR-M	16"	11"	\$ 265
X-Large	Left Lateral	NCLXLL	17"	11 ½"	\$ 275
	Right Lateral	NCLXLR	17"	11 ½"	\$ 275
	Left Medial	NCLXLL-M	17"	11 ½"	\$ 275
	Right Medial	NCLXLR-M	17"	11 ½"	\$ 275
XX-Large	Left Lateral	NCLXXL	18"	12"	\$ 285
	Right Lateral	NCLXXR	18"	12"	\$ 285
	Left Medial	NCLXXL-M	18"	12"	\$ 285
	Right Medial	NCLXXR-M	18"	12"	\$ 285

The Classic Noodle is the original carbon fiber composite AFO crafted to be more flexible and durable than standard carbon fiber AFOs. Like the hemi-spiral Noodle, the strut originates on the medial or lateral footplate. When the strut is just proximal to the calcaneus, it travels up the midline to the cuff which provides motion in the line of progression. The patented design provides dorsiflexion assist during swing phase, as well as allow plantarflexion assist at terminal stance to simulate normal ankle musculature resulting in an improved gait. This AFO is a great solution for users with varying degrees of drop foot. The Classic Noodle is highly customizable. See Build to Order options on page 16 and Custom options on page 17.

ADULT

Anterior TA Noodle AFO



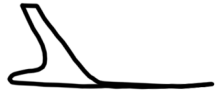
- Anterior cuff makes donning and doffing easier
 - Dynamic and durable AFO
 - Patented D.E.R.S. Design - Dynamic Energy Return Strut
 - Quick and functional solution for users requiring ground reaction forces
 - Positions foot for safety during swing phase
 - Dampens heel strike and prevents foot slap
 - Flexes in the line of progression
 - See pages 25-27 for available accessories and options
-
- To order use PREFABRICATED AFO ORDER FORM found online or page 30

Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	NAPXSL	13"	8 ½"	\$ 310
	Right Lateral	NAPXSR	13"	8 ½"	\$ 310
	Left Medial	NAPXSL-M	13"	8 ½"	\$ 310
	Right Medial	NAPXSR-M	13"	8 ½"	\$ 310
Small	Left Lateral	NAPSML	14 ½"	9 ½"	\$ 310
	Right Lateral	NAPSMR	14 ½"	9 ½"	\$ 310
	Left Medial	NAPSML-M	14 ½"	9 ½"	\$ 310
	Right Medial	NAPSMR-M	14 ½"	9 ½"	\$ 310
Medium	Left Lateral	NAPMDL	16"	10 ½"	\$ 310
	Right Lateral	NAPMDR	16"	10 ½"	\$ 310
	Left Medial	NAPMDL-M	16"	10 ½"	\$ 310
	Right Medial	NAPMDR-M	16"	10 ½"	\$ 310
Large	Left Lateral	NAPLGL	17"	11"	\$ 320
	Right Lateral	NAPLGR	17"	11"	\$ 320
	Left Medial	NAPLGL-M	17"	11"	\$ 320
	Right Medial	NAPLGR-M	17"	11"	\$ 320
X-Large	Left Lateral	NAPXLL	18"	11 ½"	\$ 330
	Right Lateral	NAPXLR	18"	11 ½"	\$ 330
	Left Medial	NAPXLL-M	18"	11 ½"	\$ 330
	Right Medial	NAPXLR-M	18"	11 ½"	\$ 330

The position of the cuff creates a stiffer device used to increase knee stability. The patented design provides dorsiflexion assist during swing phase, as well as allow plantarflexion assist at terminal stance to simulate normal ankle musculature resulting in an improved gait. This lightweight AFO is a great solution for patients lacking plantarflexion strength or have difficulty with donning and doffing. The Noodle TA is highly customizable. See Build to Order options on page 16 and Custom options on page 17.

Noodle vs Nano

Footplate



Flat

fit to 3/8" Heel Height

Footplate



Easy to Trim

Rounded Heel Cup

Styles

Posterior Hemi-Spiral

Classic

Anterior TA

Styles

Posterior

Anterior TA

Anterior



Normal Stiffness

Anterior



Stiffer Strut
+2° Plantarflexion

Available

Prefabricated
Build to Order
Custom

Available

Prefabricated
Custom

ADULT

Posterior Nano AFO



- Next generation of the Noodle Family
- Designed to fit the contours of an athletic shoe
- Easily Trimmable Footplate
- More comfortable, intimate feel
- Minimal carbon fiber layup for sleek, lightweight fit
- Patented D.E.R.S. Design - Dynamic Energy Return Strut
- Quick and easy solution for Drop Foot
- Positions foot for safety during swing phase
- Dampen heel strike and prevents foot slap
- See pages 25-27 for available accessories and options

- To order use PREFABRICATED AFO ORDER FORM found online or page 30

Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	NNPXSL	12"	8 ½"	\$ 275
	Right Lateral	NNPXSR	12"	8 ½"	\$ 275
	Left Medial	NNPXSL-M	12"	8 ½"	\$ 275
	Right Medial	NNPXSR-M	12"	8 ½"	\$ 275
Small	Left Lateral	NNPSML	13 ½"	9 ½"	\$ 275
	Right Lateral	NNPSMR	13 ½"	9 ½"	\$ 275
	Left Medial	NNPSML-M	13 ½"	9 ½"	\$ 275
	Right Medial	NNPSMR-M	13 ½"	9 ½"	\$ 275
Medium	Left Lateral	NNPMDL	15"	10 ½"	\$ 275
	Right Lateral	NNPMDR	15"	10 ½"	\$ 275
	Left Medial	NNPMDL-M	15"	10 ½"	\$ 275
	Right Medial	NNPMDR-M	15"	10 ½"	\$ 275
Large	Left Lateral	NNPLGL	16"	11"	\$ 285
	Right Lateral	NNPLGR	16"	11"	\$ 285
	Left Medial	NNPLGL-M	16"	11"	\$ 285
	Right Medial	NNPLRG-M	16"	11"	\$ 285
X-Large	Left Lateral	NNPXLL	17"	11 ½"	\$ 295
	Right Lateral	NNPXLR	17"	11 ½"	\$ 295
	Left Medial	NNPXLL-M	17"	11 ½"	\$ 295
	Right Medial	NNPXLR-M	17"	11 ½"	\$ 295

The Nano AFO incorporates a hemi-spiral strut providing greater flexibility and durability than standard carbon fiber AFOs. The footplate is easily trimmable with standard clinic scissors. The strut originates on the medial or lateral footplate and spirals to the calf cuff. The patented strut provides dorsiflexion assist during swing phase, and plantarflexion assist at terminal stance to simulate normal ankle musculature resulting in an improved gait. This AFO is a great solution for users with varying degrees of drop foot. The posterior Nano is highly customizable. See Custom options on page 18.

ADULT

Anterior Nano AFO



- Next generation of the Noodle Family
- Designed to fit the contours of an athletic shoe
- Easy to trim footplate
- More comfortable, intimate feel
- Minimal carbon fiber layup for sleek, lightweight fit
- Patented D.E.R.S. Design - Dynamic Energy Return Strut
- Quick and easy solution for Drop Foot
- Positions foot for safety during swing phase
- Dampen heel strike and prevents foot slap
- See pages 25-27 for available accessories and options

- To order use PREFABRICATED AFO ORDER FORM found online or page 30

Size	Description	Part Number	Height	Footplate	Price
X-Small	Left Lateral	NNAXSL	13"	8 ½"	\$ 330
	Right Lateral	NNAXSR	13"	8 ½"	\$ 330
	Left Medial	NNAXSL-M	13"	8 ½"	\$ 330
	Right Medial	NNAXSR-M	13"	8 ½"	\$ 330
Small	Left Lateral	NNASML	14 ½"	9 ½"	\$ 330
	Right Lateral	NNASMR	14 ½"	9 ½"	\$ 330
	Left Medial	NNASML-M	14 ½"	9 ½"	\$ 330
	Right Medial	NNASMR-M	14 ½"	9 ½"	\$ 330
Medium	Left Lateral	NNAMD L	16"	10 ½"	\$ 330
	Right Lateral	NNAMDR	16"	10 ½"	\$ 330
	Left Medial	NNAMD L-M	16"	10 ½"	\$ 330
	Right Medial	NNAMDR-M	16"	10 ½"	\$ 330
Large	Left Lateral	NNALGL	17"	11"	\$ 340
	Right Lateral	NNALGR	17"	11"	\$ 340
	Left Medial	NNALGL-M	17"	11"	\$ 340
	Right Medial	NNALGR-M	17"	11"	\$ 340
X-Large	Left Lateral	NNAXLL	18"	11 ½"	\$ 350
	Right Lateral	NNAXLR	18"	11 ½"	\$ 350
	Left Medial	NNAXLL-M	18"	11 ½"	\$ 350
	Right Medial	NNAXLR-M	18"	11 ½"	\$ 350

The Nano Anterior AFO is a stiffer device used to create knee stability. It is set in slight plantarflexion to provide increased ground reaction forces. The footplate is easily trimmable with standard clinic scissors. The patented strut provides dorsiflexion assist during swing phase, as well as allow plantarflexion assist at terminal stance to simulate normal ankle musculature resulting in an improved gait. This AFO is a great solution for users with varying degrees of drop foot. The Anterior Nano is highly customizable. See Custom options on page 18.

Noodle Family

Posterior Noodle AFO



Description	Part Number	Price
Left Posterior	NPBL	\$ 245
Right Posterior	NPBR	\$ 245

- To order use BUILD TO ORDER NOODLE ORDER FORM found online or page 31

The Build to Order Posterior Noodle AFO includes all the benefits of the prefabricated Noodle and more. The build to order provides the option to choose strut and footplate stiffness, medial or lateral strut, AFO height and footplate length, and have color or fabric added. This AFO is a great solution for users with varying degrees of drop foot. See Custom options on opposite page.

Anterior Noodle AFO



Description	Part Number	Price
Left Posterior	NABL	\$ 345
Right Posterior	NABR	\$ 345

- To order use BUILD TO ORDER NOODLE ORDER FORM found online or page 31

The Build to Order Anterior Noodle AFO includes all the benefits of the prefabricated Noodle and more. The position of the cuff creates a stiffer device used to increase knee stability. The build to order Anterior Noodle provides the option to choose strut and footplate stiffness, medial or lateral strut, AFO height and footplate length, and have color or fabric added. This lightweight AFO is a great solution for patients lacking plantarflexion strength or have difficulty with donning and doffing. See Custom options on opposite page.

Noodle Family

Posterior Noodle AFO

Description	Part Number	Price
Left Posterior	NPCL	\$ 340
Right Posterior	NPCR	\$ 340
Mold Fee	AFO901	\$ 70
Contoured Footplate	AFO903	\$ 50
MaxForce Heavy Duty Layup	AFO905	\$ 200
Pretibial Shell	PRETIB	\$ 30

- To order use CUSTOM NOODLE ORDER FORM found online or page 32



The Custom Noodle AFO is made from a cast or digital scan which creates an intimate fit to the patient. This AFO is a great solution for users with varying degrees of drop foot. Choose from several options for optimal fit and function including medial or lateral strut, strut and footplate stiffness, AFO height and footplate length, flat or contoured footplate, and sagittal and coronal alignment. Each Noodle is hand built with the patient's height, weight, and activity in mind. See pages 25-27 for accessories, options and color finishes.

Description	Part Number	Price
Anterior TA Noodle	NAC	\$ 390
Mold Fee	AFO901	\$ 70
Contoured Footplate	AFO903	\$ 50
Long Cuff	AFO904	\$ 45
MaxForce Heavy Duty Layup	AFO905	\$ 200

- To order use CUSTOM NOODLE ORDER FORM found online or page 32

Anterior Noodle AFO



The Custom Anterior Noodle AFO is made from a cast or digital scan which creates an intimate fit to the patient. The position of the cuff creates a stiffer device used to increase knee stability. This lightweight AFO is a great solution for patients lacking plantarflexion strength or have difficulty with donning and doffing. Choose from several options for optimal fit and function including medial or lateral strut, strut and footplate stiffness, AFO height and footplate length, flat or contoured footplate, and sagittal and coronal alignment. Each Noodle is hand built with the patient's height, weight, and activity in mind. See pages 25-27 for accessories, options and color finishes.

Nano Family

Posterior Nano AFO



Description	Part Number	Price
Left Posterior	NPCL	\$ 340
Right Posterior	NPCR	\$ 340
Mold Fee	AFO901	\$ 70
Nano Footplate	AFO903.5	\$ 30
MaxForce Heavy Duty Layup	AFO905	\$ 200
Pretibial Shell	PRETIB	\$ 30

- To order use CUSTOM NANO ORDER FORM found online or page 33

The Custom Nano AFO is crafted from a cast or digital scan creating a precise and intimate fit for the patient. The Nano AFO incorporates a hemi-spiral strut providing greater flexibility and durability than standard carbon fiber AFOs. This next generation Noodle is designed to fit the curvatures of an athletic shoe. The Custom Nano has an easy to trim footplate using standard clinic scissors. Choose from several options for optimal fit and function including medial or lateral strut, strut and footplate stiffness, AFO height and footplate length, and sagittal and coronal alignment. Each Nano is hand built with the patient's height, weight, and activity in mind. See pages 25-27 for accessories and options.

Anterior Nano AFO



Description	Part Number	Price
Anterior TA Noodle	NAC	\$ 390
Mold Fee	AFO901	\$ 70
Nano Footplate	AFO903.5	\$ 30
Long Cuff	AFO904	\$ 45
MaxForce Heavy Duty Layup	AFO905	\$ 200

- To order use CUSTOM NANO ORDER FORM found online or page 33

The Custom Anterior Nano AFO is crafted from a cast or digital scan creating a precise and intimate fit for the patient. The position of the cuff creates a stiffer device used to increase knee stability. This lightweight AFO is a great solution for patients lacking plantarflexion strength or have difficulty with donning and doffing. The Anterior Nano is designed to fit the curvatures of an athletic shoe and has an easy to trim footplate using standard clinic scissors. Choose from several options for optimal fit and function including medial or lateral strut, strut and footplate stiffness, AFO height and footplate length, and sagittal and coronal alignment. Each Nano is hand built with the patient's height, weight, and activity in mind. See pages 25-27 for accessories and options.

The Soto AFO

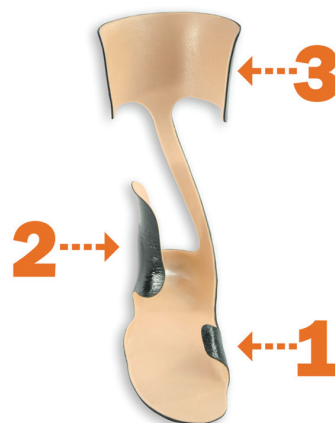


The hemi-SMO is designed to reduce pressure on the lateral malleolus and is completely trimmed away at the 5th metatarsal base. Using biomechanical leverage, the Soto is able to correct and support the ankle and foot in the most functional position. The intimate fit and reduction of unnecessary material makes shoe fitting tremendously easier. A reverse Soto option is also available for ankle valgus. See pages 25-27 for accessories and options.

Description	Part Number	Price
Soto	AFO120	\$ 580
Mold Fee	AFO901	\$ 70

● To order use SOTO ORDER FORM found online or page 35

The Soto utilizes the patented technology of the Noodle and integrates a flexible hemi-SMO resulting in the most advanced carbon fiber AFO for moderate to severe ankle varus deformities.



The unique 3-point pressure system provides maximum stability, comfort and control.



Custom crafted for adults and children

Solid ValgaNoodle AFO



Description	Part Number	Price
Posterior Valganoodle	VNP	\$ 435
Anterior Valganoodle	VNA	\$ 490
Mold Fee	AFO901	\$ 70

- To order use VALGANOODLE ORDER FORM found online or page 34

The Solid ValgaNoodle AFO is a rigid single upright device that has dynamic motion occurring through the footplate. It includes a medial or lateral “Reverse-T” designed to support ankle deformities. The “Reverse-T” gives the user the ability to vary the amount of pressure applied just proximal to the malleolus making it comfortable and functional. The open design avoids skin breakdown and pressure on boney prominences. This design is easy to wear and takes up significantly less shoe space than plastic AFOs. See pages 25-27 for accessories and options.

Dynamic ValgaNoodle AFO



Description	Part Number	Price
Posterior Valganoodle	VNP	\$ 435
Anterior Valganoodle	VNA	\$ 490
Mold Fee	AFO901	\$ 70
Dynamic Strut	VNDS	\$ 45

- To order use VALGANOODLE ORDER FORM found online or page 34

The Dynamic ValgaNoodle AFO is a flexible device that has dynamic motion through the strut and footplate. It includes a medial or lateral “Reverse-T” designed to support ankle deformities. The patented D.E.R.S. strut allows the patient to actively plantarflex and dorsiflex the AFO which helps maintain normal gait patterns. The “Reverse-T” gives the user the ability to vary the amount of pressure applied just proximal to the malleolus making it comfortable and functional. The open design avoids skin breakdown and pressure on boney prominences. This design is easy to wear and takes up significantly less shoe space than plastic AFOs. See pages 25-27 for accessories and options.

Articulated ValgaNoodle AFO



Description	Part Number	Price
Valgaligner	AFO420	\$ 500
Single Conventional Joint	AFO320	\$ 550
Mold Fee	AFO902	\$ 90

- To order use VALGANOODLE ORDER FORM found online or page 34

The Articulated ValgaNoodle AFO is similar to the Solid ValgaNoodle but incorporates a joint at either the medial or lateral malleolus. This design gives the practitioner the ability to limit ROM as necessary using a mechanical joint. It comes standard with our free motion Aligner joint which is designed to be embedded in the carbon fiber material but can be fabricated with any standard conventional joint. The articulated ValgaNoodle includes a medial or lateral “Reverse-T” designed to support ankle deformities. The “Reverse-T” gives the user the ability to vary the amount of pressure applied just proximal to the malleolus making it comfortable and functional. The open design avoids skin breakdown and pressure on boney prominences. This AFO is easy to wear and takes up significantly less shoe space than plastic AFOs. See pages 25-27 for accessories and options.

Posterior Leafspring AFO



Description	Part Number	Price
Posterior Element/ PLS	AFO110	\$ 515
Stepthrough PLS	AFO230	\$ 575
Mold Fee	AFO901	\$ 70

- To order use CUSTOM AFO ORDER FORM found online or page 32

The Posterior Element AFO provides unique features and options for maximum comfort and stability. It comes standard with a molded UCBL footplate holding the heel in a corrected position while stabilizing the arch. It also includes a custom molded pretibial shell providing a mild ground reaction force. This lightweight design provides the dynamic motion needed for a normal gait pattern. Dorsum wraps and mediolateral extensions on the posterior strut can be added for extra stabilization.

See pages 25-27 for accessories and options.

Side Element AFO



Description	Part Number	Price
Side Element/Solid Ankle	AFO100	\$ 525
Ground Reaction/Anterior	AFO200	\$ 600
Mold Fee	AFO901	\$ 70

- To order use CUSTOM AFO ORDER FORM found online or page 32

The Side element is an extremely rigid AFO used to completely immobilize the ankle. This design offers tri-planar control reducing stresses and pain at the ankle and foot. It comes standard as a posterior AFO but can easily be changed to anterior or a step through design to give ground reaction forces. The open posterior design makes it easy and less bulky to wear. The Side Element is highly customizable. See pages 25-27 for accessories and options.

MaxForce Partial Foot Prosthetic Kit



Description	Part Number	Price
MaxForce Partial Foot Kit	PFP100	\$ 830
MaxForce Mold Fee	PFP901	\$ 100

- To order use MAXFORCE PROSTHETIC KIT ORDER FORM found online or page 39

The MaxForce Partial Foot Prosthesis Kit is the best solution for the high mechanical demands of a partial foot amputee.

The carbon fiber frame provides the ground reaction forces and push off resulting in a more normal gait. The comfortable partial foot prosthesis provides distal tissue containment and weight distribution for sensitive and deformed residual limbs.

The included T-strap is used for suspension and lateral control. The cuff is flexible and when cinched tightly it will compress, stabilize and unload the residual foot and ankle.

See pages 25-27 for accessories and options.

Aligner Series AFO



Description	Part Number	Price
Single Joint	AFO400	\$ 450
Double Joint	AFO410	\$ 490
Mold Fee	AFO902	\$ 90

- Free ankle ROM
- 3-point pressure system that controls varus and valgus deformities
- Unilateral or Bilateral Articulation
- Uses the Kinetic Research proprietary Aligner joint
- Most commonly used for PTTD- Posterior Tibial Tendon Dysfunction
- Ultra lightweight slim design makes it easy to wear

- To order use ALIGNER AFO ORDER FORM found online or page 37

The Aligner is designed for pathologies that present with ankle and foot malalignment. This low-profile design gives support where needed to reduce pain and discomfort. The proprietary Aligner joint has been designed to be embedded into the carbon fiber giving the AFO superior strength and durability. Because of its carbon fiber design, a single joint is typically all you need. See pages 25-27 for accessories and options.

Articulated AFO



Description	Part Number	Price
Tamarack Joints	AFO300	\$ 575
Double Metal Joints	AFO310	\$ 600
Single Metal Joint	AFO320	\$ 550
Mold Fee	AFO902	\$ 90

- Provides free motion or controlled dorsiflexion and plantarflexion
- Controls medial-lateral instability
- Supports ankle varus or valgus deformities
- Positions foot for safety during swing phase
- Dampens heel strike and prevents foot slap

- To order use CUSTOM AFO ORDER FORM found online or page 36

The Articulated AFO is similar to the Side Element AFO but incorporates bilateral joints. Any industry standard joints can be used. By embedding the joints into the carbon fiber layup, the AFO has increased structural integrity. This design gives the practitioner the ability to limit ROM as necessary. This AFO is easy to wear and takes up significantly less shoe space than plastic AFOs. See pages 25-27 for accessories and options.

KAFO



Always
Custom

Never
Prefabricated

Description	Part Number	Price
Mold Fee	KAF901	\$ 160

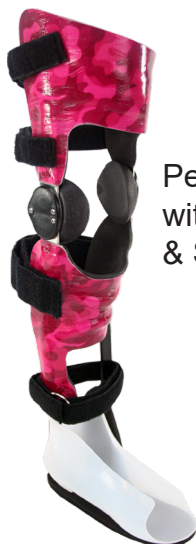
Each KAFO is made specifically for each patient. Prices start at \$1,300 and increase depending on configurations and options selected. Contact us for pricing and cost estimates.

- Perfect for foot/ankle pathologies that require additional knee and femoral control
- Supports chronic knee and limb instability
- Fabricated to meet the individual needs of the user
- Provides tri-planar control of the lower extremity
- Ultra-lightweight and durable
- To order use CUSTOM KAFO-KO ORDER FORM found online or page 38

KAFOs are available in premium and ultra-lightweight designs. They can be customized with different thigh cuff positions and can be used in combination with any AFO style offered. The carbon fiber structure can allow for unilateral or bilateral knee joint use. KAFOs can be fabricated using our Knee Spikes or most industry standard joints including mechanically or gravity actuated stance control. When possible, carbon fiber uprights are used instead of metal creating a much lighter KAFO. See pages 25-27 for accessories and options.



KAFO
with knee spikes
& unilateral ankle joint



Pediatric KAFO
with ValgaNoodle
& SMO



KAFO
with knee spikes
& bilateral ankle joints

Comprehensive Lower Extremity Solutions

KO



Description	Part Number	Price
Mold Fee	KOS901	\$ 75

Each KO is made specifically for each patient. Prices start at \$700 and increase depending on configurations and options selected. Contact us for pricing and cost estimates.

- To order use CUSTOM KAFO-KO ORDER FORM found online or page 38

The KO is a comfortable and ultra-lightweight device that can weigh less than a pound when fully strapped. When possible, carbon fiber uprights are used instead of metal creating a much lighter KO. The thigh and calf cuff position are fully customizable. It can be fabricated using Kinetic Research Knee Spikes or most industry standard joints including gravity actuated stance control. It's great for athletes and any user needing additional support. KOs are highly customizable and have many options. See page 27 for Custom Finishes.



KAFO
with droplocks
& shoe attachment



KAFO
with SPL 2 Joints



Articulated
Wishbone

Foot Orthotics & SMO/UCBL

Available only with the purchase of an AFO or KAFO.

Not sold separately.



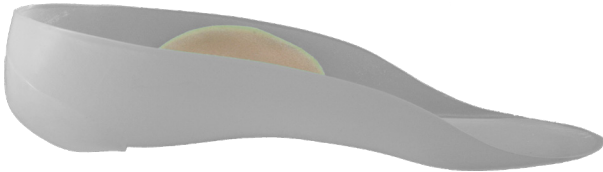
Diabetic Insert

Fabricated out of 1/4" low density pink plastazote with a base of high density white plastazote foam.



Corrective Insert

Fabricated out of 1/8" EVA top cover that is full length and a cork base. It can also be made as a Rough Cork insert with no EVA top cover.



UCBL

Fabricated out of 1/8" polypropylene. Padding added on request.



Partial Foot Insert

Molded to the patient's residual limb. It is fabricated out of 1/4" low density pink plastazote top cover, 1/8" layer of PPT at the distal residual limb, and a high density white plastazote foam base.



SMO

Fabricated out of 1/8" polyethylene. Padding added on request.

Description	Part Number	Price
Diabetic Insert	FO100	\$ 35
Cork & EVA Insert	FO110	\$ 45
Rough Cork Insert	FO120	\$ 30
UCBL- Polypropylene	FO200	\$ 90
UCBL- Carbon Fiber	FO210	\$ 185
Partial Foot Insert	FO300	\$ 120
SMO- Polyethylene	SMO100	\$ 135

AFO OPTIONS

Description	Part Number	Price
Pretibial Shell	PRETIB	\$ 30
T-Strap (Pediatric-Small)	T-STRAP-S	\$ 25
T-Strap (Medium-Large)	T-STRAP-M	\$ 25
Plantarflexion Stop - Each	AFO600	\$ 20
Gaffney Dorsi Assist Band - Each	AFO601	\$ 25
Posting per 1/2"	AFO602	\$ 20
Clamshell	AFO603	\$ 50
PTB Clamshell	AFO604	\$ 150

The T-Strap is made out of foam and plastic and can easily attach to several of our orthoses controlling varus or valgus.



The Pretibial Shell is made out of composite materials and can be easily worn with several of our posterior cuff orthoses providing increased knee stability and ground reaction forces.

Pad Kits

Includes cuff pad (shown), 1-1/2" strap, and Strap-Ez.

Size	Description	Part Number	Price
Small	Adult Posterior Pad Kit	NPPADS	\$ 20
Medium/Large	Adult Posterior Pad Kit	NPPADM	\$ 20
One Size	Adult Anterior Pad Kit	NAPPAD	\$ 20
One Size	Pediatric Posterior Pad Kit	PNPAD	\$ 20



Most of our products are highly customizable.

If you do not see what you are looking for please give us a call, 813-962-6300.

CUSTOM FINISHES



Royal Blue



Red



Purple



Kelly Green



Neon Orange



Teal



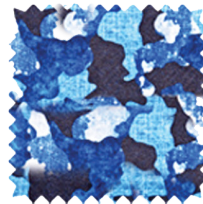
Fuchsia



Lightning



Swirl



Blue Camo



Animal



Floral

In House Colors	Part Number
Royal Blue	942
Red	3099
Purple	4279
Kelly Green	2636
Neon Orange	1690
Teal	3148
Fuchsia	1466
Lightning	4182
Swirl	8585
Blue Camo	13396
Animal	3034
Floral	11727
Brown Camo	17319
Paint Splatter	12663



Brown Camo



Paint Splatter

Description	Part Number	Price
In House Fabric Application	FABRIC	\$ 30
Fred's Legs Application Adult AFO	FREDAFO	\$ 60
Fred's Legs Application KAFO/KO	FREDKAF	\$ 70
Fred's Legs Application Pediatric AFO	FREDPED	\$ 30

We can custom finish devices in various colors and fabrics.

- A slight change in color can occur during fabrication
- Not available on Prefabricated AFOs
- Patient provided fabric must be 4-way stretch material

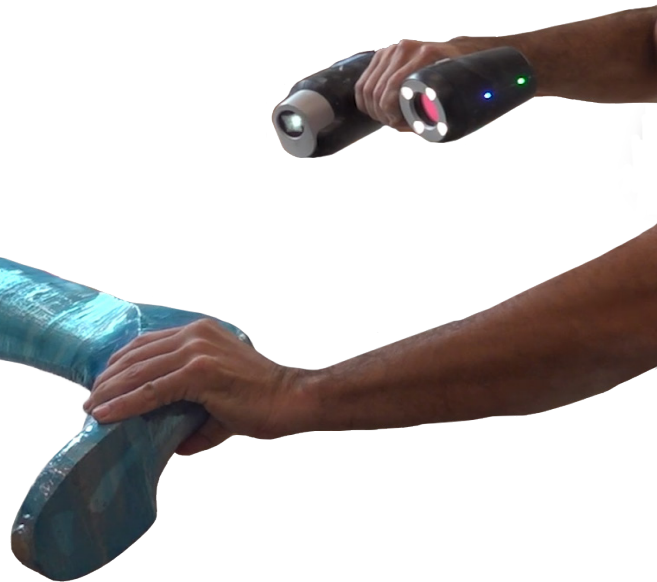
Digital Scans

Description	Part Number	Price
AFO Scan Conversion	AFO901.5	\$ 10

Kinetic Research uses state-of-the-art robots to carve AFO models. Our preferred file type is STL, but we can accept PLY, OBJ, and AOP. File conversion fees might be assessed for other file types.



Custom orders are scanned before and after modification and saved on file for a minimum of five years.



Clinic Kits

Description	Part Number	Price
Anterior Noodle Clinic Kit	NAPKIT	\$ 1,200
Posterior Noodle Clinic Kit	NPPKIT	\$ 1,000

Each clinic kit includes a bilateral small, medium and large AFO.



Rush Fees

Description	Part Number	Price
Custom Noodle/Nano	RUSH01	\$ 50
Custom Noodle/Nano With FO/UCBL	RUSH02	\$ 75
Custom AFO Rush Fee	RUSH03	\$ 100
KO Rush Fee	RUSH04	\$ 125
KAFO Rush Fee	RUSH05	\$ 200

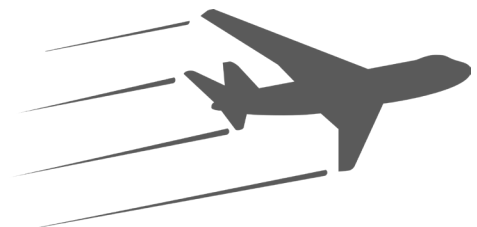
Average turnaround times with rush fee:

3-4 days for a custom Noodle or Nano

4-5 days for a custom Noodle or Nano with a FO/UCBL/SMO

5-6 days for a custom AFO

6-7 days for a KO or KAFO



Satisfied patients and practitioners are our top priority. All Kinetic Research products come with a 1- year unlimited warranty. If a device fails during the warranty period it will be replaced or re-fabricated.

1 YEAR UNLIMITED WARRANTY

Returns for prefabricated devices that don't work for patients are very liberal. If a device does not work for the patient, Kinetic Research will accept the return under these guidelines:

Returns within 30 days of delivery date — No restocking fee

Returns between 30 days - 6 months — 15% restocking fee

Returns between 6 months - 1 Year — 50% restocking fee

No returns after 12 months

Build-to-Order returns are subject to a \$ 30 restocking fee



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The Next Generation of Carbon Fiber Technology