



# SUPPORT FOR BETTER LIFE

WORLD LEADER IN CARBON COMPOSITE AFO TECHNOLOGY

# ALLARD, THE ORIGINAL CARBON COMPOSITE AFO COMPANY

Allard is the world leader in carbon composite AFOs (Ankle-Foot-Orthoses) because we have continually drawn on over two decades of experience researching anthropometry and biomechanical needs of patients with lower extremity deficiencies, as well as state-of-the-art materials and technology to develop and manufacture a full range of only the highest quality products to meet individual needs to provide "Support for Better Life" by improving gait and walking capacity.

**40**  
**REASONS**

**ALLARD CONTINUES TO BE THE WORLD LEADER IN  
THE CARBON FIBER AFO MARKET AFTER 20 YEARS!**

Learn the 40 reasons by visiting [www.allardafo.com](http://www.allardafo.com).



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## LEARN MORE ABOUT HOW AN ALLARD AFO CAN BECOME A LIFE CHANGER!



Allard USA proudly advocates for those living with mobility issues by supporting GetBackUPToday, an international community of people with foot drop and similar conditions. Led by volunteer Co-Captains, the Get Back UP Today movement is proof that mobility challenges do not have to alter one's quality of life. For your patients that may be struggling with "getting back up" due to their physical challenge, we hope you will encourage them to visit [www.GetBackUpToday.com](http://www.GetBackUpToday.com) to read inspiring stories, find motivation, and join a world-wide team of individuals living their best life despite having physical challenges.



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## PRODUCT NAME

- No number or fraction at end of the name indicates it is manufactured using original Allard AFO formula.
- “FLOW” in the name indicates manufactured with Allard’s newest proprietary formula.
- The number 2 at end of name indicates it has shorter wings than original models of ToeOFF® and BlueROCKER®, pre-applied MikroFix, and includes one starter interface with tibia pads.
- The fraction ½ at end of name indicates it has approximately ½ the heel height of original models of ToeOFF® and BlueROCKER®.



# THE QUANTUM LEAP IN AFO TECHNOLOGY

Introduced in 1997, ToeOFF®, the first Allard AFO, is now recognized as a quantum leap in AFO technology. Today hundreds of thousands of individuals with gait impairment now enjoy a higher quality of life, thanks to the stability and dynamic response provided when wearing one of our many carbon composite orthoses. More experience than any company in the industry and our commitment to providing only the highest quality product and customer service continue to position us as the world leader in carbon composite AFO technology. In pursuit of our drive to expand our “Support for Better Life”, our product development team aggressively researches new materials, technology, and product designs that will extend the opportunity for improved gait and walking capacity to more and more individuals with lower extremity deficiencies.

## ANTERIOR DESIGN

Allard AFOs extend up from the footplate onto the anterior surface of the leg to avoid pressure on the calf muscles and Achilles tendon. This allows for a dynamic floor reaction response to assist with propulsion and knee extension.

## LATERAL STRUT

The strut is placed on the lateral side of the footplate to create stability and function. It also allows for more functional use by bilateral users.

## LIGHTWEIGHT

The composition of Carbon fiber, Fiberglass and Kevlar produces an extremely lightweight yet structurally superior design, which increases user compliance.

## OPEN HEEL

The open heel design allows the calcaneus to invert and evert to activate the natural biomechanical chain reaction to occur to achieve a closer to normal gait and eliminates uncomfortable pressure on the back of the leg or heel.

## COMFORTABLE

As the shin plate comes on the anterior surface of the leg, it provides for a more comfortable design for the user.

## THIN

The extreme thinness of the product makes it light and almost invisible under slacks or trousers.

## DYNAMIC FOOTPLATE

The unique layup and the shape of the footplate contributes to a more dynamic, functional, and fluid gait pattern.

## FITS IN SHOE

The thinness of the footplate often avoids the need to increase the shoe size.

## GRADED STABILITY

To be able to accommodate different users' needs, the sizes and products are graded in both stability and dynamic response.

# PATIENT SATISFACTION & WARRANTY POLICIES

Allard offers a unique Patient Satisfaction Guarantee and a generous warranty policy. Below is summary only, please ask Customer Service for additional details.

## **PATIENT SATISFACTION GUARANTEE**

Note: Due to the uniqueness of custom products, the Patient Satisfaction Guarantee does not apply to Allard Custom AFOs.

- If the wearer, therapist, physician, or orthotist is not satisfied with the performance of the product initially fitted, Allard USA will, at the provider's discretion, provide a FREE alternative product for the wearer to try.
- ALL Patient Satisfaction return requests must be received by Allard within 30 days of initial fitting.

## **ALLARD AFO WARRANTY**

Allard return policy for Allard AFO products assumes that fitting has been done correctly, adjustments have been carried out according to Professional Instructions supplied with each product and Patient Instructions have been reviewed with patient and provided to him or her or caregiver to take home. Allard grants warranty for defects in material and workmanship. Warranty registration must be submitted within 10 days of initial fitting to validate warranty.

### **Allard Adult AFOs EXCEPT Custom**

- Allard will provide a replacement Allard AFO of equal value to the provider.
- Choice of specific product and product size is at the discretion of the provider.
- Replacement is limited to two orthoses for the same wearer that are returned within one year from the date of the initial fitting of the Allard AFO.

### **Allard Adult Custom AFOs**

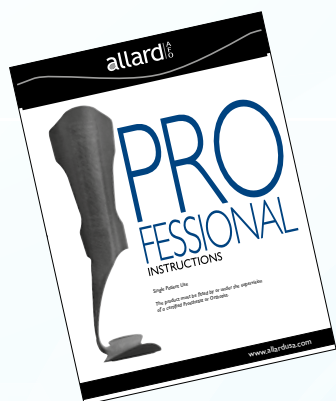
- Allard will provide a replacement Allard Custom AFO of equal value to the provider, provided the replacement does not require change in position of the strut or change in heel height (unless the change is required due to a fabrication error).
- There will be an additional charge if the replacement requires a change in properties specified in the original order; for example changes in A-P and/or M-L stiffness.
- Replacement is limited to one orthosis for the same wearer that is returned within one year from date of initial fitting.

### **Allard Pediatric AFOs (KiddieGAIT® & KiddieROCKER®)**

- Allard will provide a replacement Allard AFO of equal value to the provider.
- Choice of specific product and product size is at the discretion of the provider.
- Replacement is limited to one orthosis for the same wearer that is returned within six months from the date of the initial fitting of the Allard AFO.

# PRODUCT SELECTION GUIDE

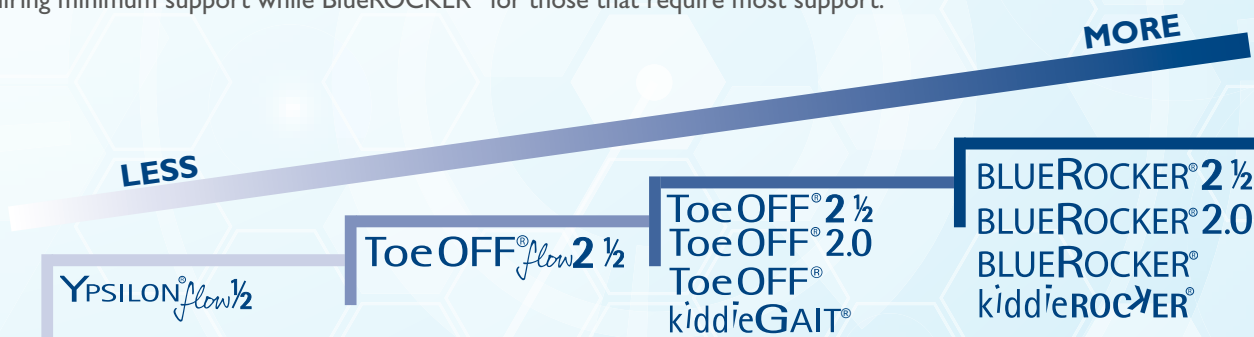
The scales on this page and chart on following page are provided as general guidelines only. Each individual, based on their unique deficits, gait patterns, proprioceptive response, and lifestyle needs, will respond differently to any orthotic device. This will influence the function and compliance results.



Further information about intended use, indications and contraindications, and suggested modifications to assure optimum alignment and patient comfort can be found in the Professional Instructions packed together with each Allard AFO or can be downloaded from [allardusa.com](http://allardusa.com). You can also view our 8-step videos on our Allard USA YouTube channel.

## ALLARD AFO PRODUCT RIGIDITY SCALE

Each Allard AFO offers different rigidity to provide the amount of support needed without over-bracing. The chart below shows the variance in the amount of support each AFO offers. For example, Ypsilon® FLOW½ would be considered for patients requiring minimum support while BlueROCKER® for those that require most support.



## ALLARD AFO FUNCTION SCALE

As an example, Ypsilon® FLOW½ allows for the most ROM while BlueROCKER® offers the least. On the other hand, if you look at stability, BlueROCKER® offers the most whereas Ypsilon® FLOW½ provides the least.

	Ypsilon <sup>®</sup> FLOW½	ToeOFF <sup>®</sup> FLOW 2½	ToeOFF <sup>®</sup> 2½ ToeOFF <sup>®</sup> 2.0 ToeOFF <sup>®</sup> KiddieGAIT <sup>®</sup>	BlueROCKER <sup>®</sup> 2½ BlueROCKER <sup>®</sup> 2.0 BlueROCKER <sup>®</sup> KiddieROCKER <sup>®</sup>
Allows Range Of Motion	● ● ● ● ○	● ● ● ○ ○	● ● ○ ○ ○	● ○ ○ ○ ○
M-L Stability	● ● ○ ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●
A-P Stability	● ● ○ ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●
Dorsiflexion Assist	● ● ○ ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●
Spasticity Control	● ● ○ ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●
Proximal Control	● ● ○ ○ ○	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●

# ALLARD AFO MUSCLE WEAKNESS GUIDES

These charts are based on R&D studies, practitioner and patient feedback.

Muscle function:

None or limited function

Moderate function

Full function

## LIMITED Proximal weakness



YPSILON<sup>®</sup>flow<sup>1</sup>/<sub>2</sub>



ROM	●●●●○
A/P	●●○○○
M/L	●●○○○
Dorsi assist	●●○○○
Spasticity	●●○○○



ToeOFF<sup>®</sup>flow<sup>2</sup>/<sub>2</sub>



ROM	●●●○○
A/P	●●○○○
M/L	●●○○○
Dorsi assist	●●○○○
Spasticity	●●○○○

## MORE Proximal weakness



ToeOFF<sup>®</sup>2 1/2



ROM	●●○○○
A/P	●●●●○
M/L	●●●●○
Dorsi assist	●●●●○
Spasticity	●●●●○



BLUEROCKER<sup>®</sup>2 1/2



ROM	●○○○○
A/P	●●●●●
M/L	●●●●●
Dorsi assist	●●●●●
Spasticity	●●●●●

## CUSTOM ALLARD AFOs

When patient's anatomical or function needs fall out of the parameters of the Product Rigidity or Function Scale, Allard also offers to fabricate Custom Carbon Composite AFOs. Ask Customer Service for ordering information.



# THE “FLOW” TECHNOLOGY

We applied Allard's 20+ years of AFO carbon composite experience and advances in technology to create a **new proprietary formula** to meet the functional and comfort needs of even more individuals.

ToeOFF<sup>®</sup>flow 2 ½  
YPSILON<sup>®</sup>flow ½ } 7mm

15 mm heel height  
7 mm heel height

## YPSILON<sup>®</sup> FLOW ½



Ypsilon<sup>®</sup> FLOW ½ was designed for the stable ankle to provide dynamic toe-off assistance while allowing natural ankle movement.

- Allows more medial, lateral and rotational ankle movement, which will provide an opportunity for muscles, tendons and ligaments to function and strengthen.
- FLOW offers greatest ROM in sagittal plane and smoother transition throughout the gait cycle.
- To better accommodate today's shoe fashions this orthosis has 7mm heel height.

Ypsilon<sup>®</sup> FLOW ½ is suggested for patients with:

- Weak dorsiflexors
- Peroneal nerve injury
- No/mild spasticity
- Sensory Nerve Injury
- Functions well for higher activity levels

Functional Guidelines	Ypsilon <sup>®</sup> FLOW ½
Allows Range Of Motion	● ● ● ● ○
M-L Stability	● ● ○ ○ ○
A-P Stability	● ● ○ ○ ○
Dorsiflexion Assist	● ● ○ ○ ○
Spasticity Control	● ● ○ ○ ○
Proximal Control	● ● ○ ○ ○



## THE “FLOW” BENEFITS

- Smoother transition (flow) throughout the gait cycle
- Increased ROM in sagittal plane
- Accommodates lower shoe heel heights
- Accommodates gentler contours of shoe insoles
- More clearance for forefoot in the shoe toe box
- Easier to customize to meet alignment and biomechanical needs



### ToeOFF® FLOW2½



ToeOFF® FLOW2½ is designed for mild to moderate ankle instability and mild to moderate proximal deficits.

- Provides added rigidity to stabilize the unstable ankle and provide added control of proximal deficits.
- FLOW offers greatest ROM in sagittal plane and smoother transition throughout the gait cycle.
- To better accommodate today's shoe fashions this orthosis has 7mm heel height.
- A more organic shape with shorter wings.

ToeOFF® FLOW2½ is suggested for patients with:

- Mild proximal deficits
- Mild spasticity
- Limb proprioception deficit
- Functions well for higher activity levels

ToeOFF® *flow* 2 ½

Functional Guidelines	ToeOFF® FLOW2½
Allows Range Of Motion	● ● ● ○ ○
M-L Stability	● ● ● ○ ○
A-P Stability	● ● ● ○ ○
Dorsiflexion Assist	● ● ● ○ ○
Spasticity Control	● ● ● ○ ○
Proximal Control	● ● ● ○ ○

## ToeOFF®, ToeOFF® 2.0, ToeOFF® 2½, ToeOFF® Short

Designed for mild to moderate ankle instability and mild to moderate proximal deficits.

- Provides added rigidity to stabilize the unstable ankle and provide added control of proximal deficits.
- Compared to FLOW these have increased stability in the sagittal plane.

Suggested for patients with:

- Mild to moderate proximal deficits
- Mild to moderate spasticity
- Limb proprioception deficit

Functional Guidelines	ToeOFF® 2½ ToeOFF® 2.0 ToeOFF®
Allows Range Of Motion	● ● ○ ○ ○
M-L Stability	● ● ● ● ○
A-P Stability	● ● ● ● ○
Dorsiflexion Assist	● ● ● ● ○
Spasticity Control	● ● ● ● ○
Proximal Control	● ● ● ● ○

### ORIGINAL FORMULA



ToeOFF®

- Long wings
- 12-15mm heel height
- Full toe lift
- Wrap around straps



ToeOFF® 2.0

- A more organic shape with shorter wings
- 12-15mm heel height
- Full toe lift
- Both D-ring and Wrap around straps



ToeOFF® 2½

- A more organic shape with shorter wings
- 7mm heel height
- Less toe lift
- Both D-ring and Wrap around straps
- ToeOFF® 2½ Addition available with Birch, Black and Camo surfaces

addition colors



ToeOFF® SHORT

- Long wings
- 7mm heel height
- Shorter height
- Wider at metatarsal heads
- Flatter footplate contour

## BlueROCKER®, BlueROCKER® 2.0, BlueROCKER® 2½

Designed for moderate to severe ankle instability and mild to severe proximal deficits.

Functional Guidelines	BlueROCKER® 2½ BlueROCKER® 2.0 BlueROCKER®
Allows Range Of Motion	● ○ ○ ○ ○
M-L Stability	● ● ● ● ●
A-P Stability	● ● ● ● ●
Dorsiflexion Assist	● ● ● ● ●
Spasticity Control	● ● ● ● ●
Proximal Control	● ● ● ● ●

- The extra stability will improve both balance and posture and give the wearer greater security, especially individuals with weak quadriceps and calf muscles.
- Provides maximum rigidity to stabilize the unstable ankle and provide added control of proximal deficits.

Suggested for patients with:

- Moderate to severe proximal deficits
- Moderate to severe spasticity
- Partial foot amputation
- Weakness or impairment in multiple leg muscle groups
- The need to wear bilateral AFOs
- Reduced knee and hip control

### ORIGINAL FORMULA



#### BLUEROCKER®

- Long wings
- 12-15mm heel height
- Full toe lift
- Wrap around straps



#### BLUEROCKER® 2.0

- A more organic shape with shorter wings
- 12-15mm heel height
- Full toe lift
- Both D-ring and Wrap around straps



#### BLUEROCKER® 2½

- A more organic shape with shorter wings
- 7mm heel height
- Less toe lift
- Both D-ring and Wrap around straps

## KiddieGAIT®, KiddieROCKER®

KiddieGAIT® and KiddieROCKER® offer a carbon composite framework for orthotists to build an orthosis that will provide needed stability and dynamic response to encourage functional heel-to-toe gait.

Functional Guidelines	KiddieGAIT®	KiddieROCKER®
Allows Range Of Motion	● ● ○ ○ ○	● ○ ○ ○ ○
M-L Stability	● ● ● ● ○	● ● ● ● ●
A-P Stability	● ● ● ● ○	● ● ● ● ●
Dorsiflexion Assist	● ● ● ● ○	● ● ● ● ●
Spasticity Control	● ● ● ● ○	● ● ● ● ●
Proximal Control	● ● ● ● ○	● ● ● ● ●

- Anterior support provides opportunity to enhance proprioceptive response and adds stability to help manage knee extension/flexion moment.
- Softer and more dynamic heel rocker which creates softer loading to reduce knee flexion moment.
- Lightweight functional support allows more fluid and efficient gait (less tiring).
- Can use less brace to do the same work as traditional plastic AFOs.

### KiddieGAIT®

Offers most range of motion and least rigidity to control mild to moderate ankle instabilities and proximal deficits.

### KiddieROCKER®

Offers more rigid orthotic control. Developed primarily for bilateral foot drop patients and those with more involved pathologies. The extra stability will improve both balance and posture and give the wearer greater security, especially individuals with weak quadriceps and weak calf muscles.

Suggested for patients with:

- Footdrop
- Gait deviations secondary to proprioceptive deficit
- Unstable or low-tone gait
- Toe-walking with no midfoot collapse
- Low-tone crouch gait
- Partial foot amputation (KiddieROCKER® preferred)



KiddieGAIT® and KiddieROCKER® should always be combined with an additional orthotic, designed to control the position of the foot.

## ORIGINAL FORMULA



Baby Sizes Youth Sizes

**kiddieGAIT®**

- Most ROM
- 7-9mm heel height
- Full toe lift
- Wrap around straps on Baby sizes
- D-Ring straps on Youth sizes



**kiddieROCKER®**

- Most rigid orthotic control
- 8-9mm heel height
- Full toe lift
- D-ring straps



## ASSESSMENT TOOLS

Allard also offers AFOs that are boldly labeled "Not-For-Resale". These are designed to be used as initial assessment tools to evaluate functional improvement, patient acceptance and as a gauge to decide which Allard AFO will work best for the patient as well as what modifications will be necessary to optimize the patient's gait pattern.



Offered individually or in convenient "6-PAKS"  
(sizes small, medium, and large – left and right).



# ACCESSORIES

## SOFTKIT™

SoftKIT™ is our standard 3mm soft foam interface system. May be applied to ToeOFF®, BlueROCKER®, KiddieGAIT® and KiddieROCKER®. Available in Black for all Allard AFOs and Beige for 2.0 and 2½ models.



## COMFORTKIT™

ComfortKIT™ is our premium 5mm memory foam interface. It is designed for the patient that requires added cushioning and a more intimate fit due to the shape of the tibia, skin condition, diabetes and/or activity level. Available for all Allard AFOs except ToeOFF® Short.



## COVERKIT™

CoverKIT™ is another interface innovation for our 2.0 & 2½ models. The interface has a thin textile front to form a sleeve and an inside soft interface that protects the skin and at the same time keeps the brace in position.



## GLIDERKIT™

GliderKIT™ provides a gliding “sling” between the leg and the anterior shell. It moves as the leg moves, making it ideal for sports activities such as running or bicycling. It may also be the interface of choice for individuals who continue to experience pressure on the tibia even though the AFO is properly aligned, or for patients with small proximal tibia protuberances that press against the AFO's anterior support. Available for our 2.0 & 2½ models.



# ACCESSORIES



## SOFTSHELL™

For adults that prefer a softer look, SoftSHELL™ is available for original models of ToeOFF® and BlueROCKER®. It combines the padding system of a SoftKIT™ with a plush textile front to form a sleeve that slides over the anterior shell. It includes a matching cover for the lower strut and is available in Brown and Beige.

For children, SoftSHELL™ comes in two different versions: SoftSHELL™ in youth sizes includes an interface pad. SoftSHELL™ in baby sizes does not include an interface pad. Both sizes are available in fun patterns children will love!

These prefabricated foot orthotics help to better position and align the pronated foot, while providing a comfortable and shock absorbing interface between the footplate and foot. Allard FOS are fabricated with EFM (Extra Firm Material) and Microcell Puff Interface.



## F.O.S.

T-Strap pulls the the talocrural and subtalar joints laterally to position them back underneath the tibia.

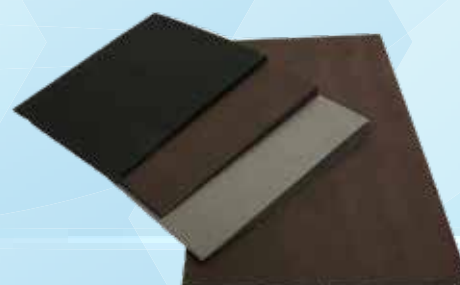
Quick and easy to apply: Distal end attaches to bottom of footplate, proximal "T" wraps around ankle and attaches to the Allard AFO's lateral strut.



For Pes Valgus Control

## T-STRAP

Kit that includes lateral wedge and heel wedges. Posting wedges are used for correcting or adjusting medial & lateral slopes. Pressure Sensitive Adhesive (PSA) Backed EVA Foam. All wedges are Shore A60 Durometer.



## WEDGEKIT

# dralla|ORG

Giving individuals with physical challenges an unforgettable day!

Allard is proud to introduce you to Dralla Foundation, a non-profit organization that provides grants to other non-profits that align with their mission. The mission of Dralla Foundation is to make unforgettable days possible for adults and children with physical challenges by partnering with non-profit organizations and providing funding to support their events.

Visit [www.dralla.org](http://www.dralla.org) to learn more about the organization, to submit a grant request, and to see pictures, testimonials and videos of some of the unforgettable days made possible.



*Photo courtesy of Adaptive Sports Program New Mexico*



*Photo courtesy of Adaptive Sports Foundation*



*Photo courtesy of Daring Adventures*

AllardAFO.com



AllardUSA.com



Dralla.org



GetBackUpToday.com



## Support for Better Life!

# allard|USA

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