

Ankle Foot Orthotics

Solid Ankle Foot Orthotics



Articulated Ankle Foot Orthotic



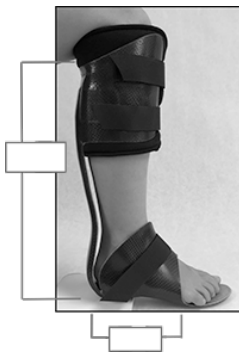
Posterior Leaf Spring Brace



Walk On Fiber Carbon



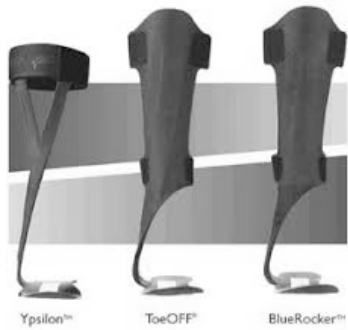
PHAT Braces





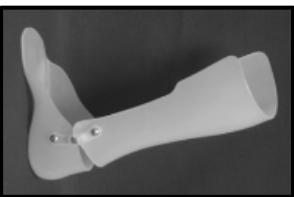

BiCAAL – Bichannel Adjustable Ankle Locking



Anterior Shelf Fiber Carbon



ORTHOTIC DECISION MAKING

Type	Posterior Leaf Spring	Ground Reaction Orthosis	**Orthotic with Articulated Joint**	Posterior Solid AFO
Criteria	<ul style="list-style-type: none"> Weakness of DF and PF Medial/lateral stability Absent to mild spasticity Adequate knee stability/motor power and hip strength Reduced or absent proprioception 	<ul style="list-style-type: none"> Weakness of DF and/or PF Weakness of quadriceps requiring stance phase control Mild to moderate defect in M/L stability 	<ul style="list-style-type: none"> Severe weakness or absence of ankle DF and PF Mild to moderate defect in M/L stability Absent to moderate spasticity Adequate but decreased knee/hip strength Absent proprioception with ankle tendency toward valgus 	<ul style="list-style-type: none"> Severe weakness or absent PF and DF Severe spasticity with marked equinovarus Adequate hip and knee strength Severe proprioception deficit
Picture				

What Type of Articulated Joint Do I Need

DF Stop	PF Stop	DF Assist
PF \leq 4 in standing and/or excessive DF (knee flexion) or PF (knee extension) in stance	Score $<$ 43 on Berg or severe spasticity or absent proprioception	DF strength is \leq 4

References: 1) Rancho Los Amigos National Rehabilitation Center Physical Therapy Department, Rancho ROADMAP: Lower Extremity Orthoses Review. Accessed December 2013. https://zimbra.naz.edu/service/home/~WS32handout1Kubota-1.pdf?auth=co&loc=en_US&id=222189&part=2. 2) Dedering et al. Effects of foot orthoses on the temporal pattern of muscular activity during walking. Clin Biomech. 2013. Aug;28(7):820-4. 3) Physical Rehabilitation 6th ed. O'Sullivan, Schmitz, and Fulk. FA Davis Company-Philadelphia 2014.

Turbomed

Dictus Brace

Saebo Step

Foot Up

Info

- <https://www.youtube.com/watch?v=z28Nw00XLAc>
 - <https://www.youtube.com/watch?v=I7rOgpeilPM>
 - <http://www.saebo.com/>
 - <https://www.youtube.com/watch?v=d6QdlmSg1P0>
- https://turbomedorthotics.com/ Use with shoes with laces Use with shoes with laces Use with shoes with laces.
- om/ ~\$100.00 Not able to purchase online. Does not facilitate much force.
- Spring loaded, flexible multi-axial foot brace for foot drop. Can use on multiple types of shoes.

Picture



All of these braces are intended to address foot drop. They do not control medial/lateral stability.