

Dynamic Walk

Information

Fillauer[®]

Real Technology - Real People

Dynamic Walk is a unique dorsal extension orthosis which is recommended for patients with peroneal paralysis. The orthosis is also beneficial when there is a need to unload the Anterior Tibialis tendon. Dynamic Walk provides stable free movement and constant lifting of the foot, allowing activities such as running, driving and climbing stairs. We achieve these characteristics combining a unique design with lightweight construction and carbon fiber composite material. To enhance durability, Liquid Crystal Polymer (LCP) is added to all foot plates and calf bands. It combines ease of use with high-function like no other product on the market.

Fillauer's Dynamic Walk is available in five off the shelf versions and three different Custom Line options:

1. Standard with PEEK rods on both the medial and lateral side
2. Wide Ankle with PEEK rods on both the medial and lateral side
3. Single Side with PEEK rods on either the medial or lateral side
4. Shoe Mount, Dynamic Walk built into the shoe with PEEK rods on either the medial or lateral side
5. Mix and Match choose layout from off the shelf (see page twelve for more details)
6. Double Double with two PEEK rods on both the lateral and medial side of the orthosis
7. Custom made

Indications:

- Peroneal paralysis, unload the Anterior Tibialis tendon

Contra Indications:

- Neuropathy, severe Spasticity



US patent, No: 7,766,851
Swedish patent, No: 531 069
EP patent application pending, No: 07747946.7

Dynamic Walk Standard is a unique dorsal extension orthosis which is recommended for patients with peroneal paralysis. Dynamic Walk provides stable free movement and constant lifting of the foot. It's lightweight construction, unique design and material allow activities such as running, driving and climbing stairs. It combines ease of use with high-function like no other product on the market. The open heel construction allows for natural foot movement and fits easily into normal shoes.

Product Features:

- Lightweight
- Open heel
- Fits easily into normal shoes
- High strength
- Flexible
- Laterally stable
- Flexible calf band
- Allows for everyday activities

Indications:

Peroneal paralysis, if there is a combination of medial/ lateral instability and prominent malleolus

Contra Indications:

Neuropathy, severe spasticity

Warranty:

- 12 month warranty

Note: padding is sold separately



Materials:

- Thermoplastic carbon fiber
- PEEK rods
- LCP

To Reshape:





- Spot heat the carbon fiber with a heat gun up to 120° (higher temperatures will cause delamination)
- Do not heat and reshape the PEEK rods or the area where the PEEK attaches to the carbon fiber

Padding (bought separately):

- Washable 30 degrees Celsius, air-dry on flat surface
- Lycra & polyether

Shoe Selection:

- Laced with a firm heel
- Removable insole

Measurement chart - in millimeters Dynamic Walk Standard				
				
Small	230	320	67,5	105 g
Medium	250	355	72,5	122 g
Large	270	370	80,5	140 g

Ordering Information - Dynamic Walk Standard	
When ordering please note that you have to order the padding separately:	
Description	Product number
Small - left	700 111 121
Small - right	700 111 122
Medium - left	700 111 141
Medium - right	700 111 142
Large - left	700 111 161
Large - right	700 111 162
Padding Only - Small	700 100 220
Padding Only - Medium	700 100 240
Padding Only - Large	700 100 260

Dynamic Walk Wide Ankle is a unique dorsal extension orthosis with an increased width between the PEEK rod attachment points. The orthosis is recommended for patients with peroneal paralysis. Dynamic Walk Wide Ankle provides stable free movement and constant lifting of the foot. It's lightweight construction, unique design and material allow activities such as running, driving and climbing stairs. It combines ease of use with high-function like no other product on the market. The open heel construction allows for natural foot movement and fits easily into normal shoes.

Product Features:

- Increased width between the PEEK rods
- Lightweight
- Open heel
- High strength
- Flexible
- Laterally stable
- Flexible calf band
- Allows for everyday activities

Indications:

Peroneal paralysis, treatment of short Achilles tendon, if there is a combination of medial/ lateral instability and prominent malleolus

Contra indications:

Neuropathy, severe spasticity

Warranty:

12 month warranty

Note: padding is sold separately

Materials:

- Thermoplastic carbon fiber
- PEEK rods
- LCP



Wide Ankle

To Reshape:





- Spot heat the carbon fiber with a heat gun up to 120° (higher temperatures will cause delamination)
- Do not heat and reshape the PEEK rods or the area where the PEEK attaches to the carbon fiber

Padding (bought separately):

- Washable 30 degrees Celsius, air-dry on flat surface
- Lycra & polyether

Shoe Selection:

- Laced with a firm heel cap
- Removable insole

Measurement chart - in millimeters Dynamic Wide Ankel				
	 Length	 Height	 Width	 Weight
Small	230	335	72,5	106 g
Medium	250	355	80,5	123 g
Large	270	380	88,5	142 g

Ordering Information - Dynamic Walk Wide Ankel	
When ordering please note that you have to order the padding separately:	
Description	Product number
Small - left	700 111 321
Small - right	700 111 322
Medium - left	700 111 341
Medium - right	700 111 342
Large - left	700 111 361
Large - right	700 111 362
Padding Only - Small	700 100 220
Padding Only - Medium	700 100 240
Padding Only - Large	700 100 260

Dynamic Walk Single Side is a unique dorsal extension orthosis which is recommended for patients with peroneal paralysis. Dynamic Walk provides stable free movement and constant lifting of the foot. Its lightweight construction, unique design and material allow activities such as running, driving and climbing stairs. It combines ease of use with high-function like no other product on the market. The Dynamic Walk Single Side can be ordered with the PEEK on either the medial or lateral side depending on customer requirements.

Product Features:

- Lightweight
- Open heel
- Fits easily into normal shoes
- High strength
- Flexible
- Easy donning and doffing
- Allows for everyday activities
- Available with PEEK-rods on either medial or lateral side

Indications:

Reduced dorsiflexion strength, decreased hand/ arm strength (easy don and doff), beneficial for patients with volume problems of calf.

Contra Indications:

Neuropathy, spasticity.

Warranty:

- 12 month warranty

Note: padding is sold separately

Materials:

- Thermoplastic carbon fiber
- PEEK rods
- LCP

To Shape:

- Spot heat the carbon fiber with a heat gun up to 120° (higher temperatures will cause delamination)
- Do not heat and reshape the PEEK rods or the area where the PEEK attaches to the carbon fiber

Choosing side:

If there is a Valgus alignment of foot, consider choosing a lateral PEEK to reduce pressure. If there is a Varus alignment of foot, consider a medial PEEK to reduce pressure.



Padding (bought separately):

- Washable 30 degrees Celsius, air-dry on flat surface
- Lycra & polyether

Shoe Selection:

- Laced with a firm heel cap
- Removable insole

Ordering Information - Dynamic Walk Single Side



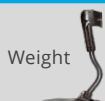
When ordering please note that you have to order the padding separately:

Product number	XXX XXX	X	X	X
Dynamic Walk, PEEK medial	700 113			
Dynamic Walk, PEEK lateral	700 114			
Without padding		1		
Small			2	
Medium			4	
Large			6	
Left				1
Right				2

Example:

Dynamic Walk Single Side, PEEK on the medial side, medium and left: 700 113 141

Measurement chart - in millimeters Dynamic Walk Single Side

	 Length	 Height	 Weight
Small	230	340	103 g
Medium	250	370	120 g
Large	270	385	140 g

Padding only	Lateral	Medial
Small, left	700 100 321	700 100 322
Small, right	700 100 322	700 100 321
Medium, left	700 100 341	700 100 342
Medium, right	700 100 342	700 100 341
Large, left	700 100 361	700 100 362
Large, right	700 100 362	700 100 361

The Dynamic Walk Shoe Mount offers the same assist and range of motion as an ordinary Dynamic Walk. The orthosis is specially developed for patients with sensitive feet but can be used by anyone who wants the orthosis mounted on the of outside the shoe. Dynamic Walk Shoe Mount provides stable free movement and constant lifting of the foot. Its lightweight construction, unique design and component material allow activities such as running, driving and climbing stairs. It combines ease of use with high-function like no other product on the market.

Product Features:

- Select from three sizes
- Available with custom height
- Lightweight and high strength
- Assemble yourself or let us do it for you
- NOTE: single side only

Indications:

- Peroneal paralysis, sensitive feet or the need of treatment shoes.

Contra Indications:

Neuropathi, severe spasticity



Warranty:

- 12 month warranty

Note: padding is sold separately



* Shoe not included

Measurement chart calf section in millimeters		
	 Length	 Calf Circumference
Small	6.5 in. (165 mm)	9.4 - 13.0 in. (240 - 330 mm)
Medium	6.5 in. (165 mm)	13.4 - 16.5 in. (340 - 420 mm)
Large	6.5 in. (165 mm)	16.9 - 20.5 in. (430 - 520 mm)

Ordering Information - Dynamic Walk Shoe Mount	Product number left	Product number right
Small	700 110 721	700 110 722
Medium	700 110 741	700 110 742
Large	700 110 761	700 110 762

Dynamic Walk Custom Line is available in three different options:

- Dynamic Walk Custom Made
- Dynamic Walk Double Double
- Dynamic Walk Mix and Match

Below you will find the information needed to choose the right Dynamic Walk for your patients needs.

Dynamic Walk Mix and Match

Dynamic Walk Mix and Match offers the possibility of choosing different sized foot and calf sections (from standard sizes) along with the option of different height of the calf section. The Dynamic Walk Mix and Match is recommended when the patients foot and calf size do not correspond with the standard models. for example they may require a small foot plate together with a medium calf section. The height of the orthosis is determined by the chosen calf section, for example a large foot plate together with a small calf section gives a height of the orthosis to 320 mm (optional +/- 25 mm)

Indications: Foot and/or calf size outside of the standard sizing

For more information on ordering and size possibilities, please see the order form

Dynamic Walk - Double Double

Dynamic Walk Double Double offers the patient extra dorsal assist by using double PEEK rods on both the medial and lateral side of the orthosis. It is made with the standard carbon fiber lay up on a wide ankle mold and does not require a positive plaster or a negative cast. Material options available:

- Standard lay up of material
- Added carbon fiber for a more rigid foot plate and/ or calf band

Indications: High activity patients, heavy patients, need for increased medial/ lateral stability.

For more information see the order form

Dynamic Walk - Custom Made

Dynamic Walk Custom Made on a positive plaster/ foam or a negative cast offers you the possibility to have a Dynamic Walk laminated directly on an individual positive plaster. This is recommended in extreme cases when the standard models or mix and match do not fit the shape or size of the patient´s foot and/ or calf properly. Material options included in this option are as follows:

- Added carbon fiber for a more rigid foot plate and/ or calf band

Indications: Measurements outside orthotic norm, increased durability, deformities.

For more information see the order form

Customer:

Kung Hans väg 2
192 68 Sollentuna
Sweden

Phone: +46 8 505 332 00
E-mail: order@fillauer.com

Dynamic Walk Mix and Match allows you to mix and match different sized foot and calf sections. Fill in the below form to choose foot and calf section size along with model type. As an option you can choose another height of the calf band, see below.

Note: PEEK rods are only available in one size.




Ordering Information - Dynamic Walk Mix and Match

Exempel: Dynamic Walk, Mix and Match, Standard, Small Calf, Medium Foot, Right
= 700 121 242



Product number	XXX XXX	X	X	X
Dynamic Walk, Standard	700 121			
Dynamic Walk, Wide	700 122			
Dynamic Walk, Medial Singel	700 123			
Dynamic Walk, Lateral Singel	700 124			
Double-Double	700 125			
Small calf		2		
Medium calf		4		
Large calf		6		
Small Foot			2	
Medium Foot			4	
Large Foot			6	
Left				1
Right				2

Enter the Dynamic Walk Mix and Match Product number: _____

Measurement chart foot plate
in millimeters

	 Length	 Width	 Width wide
Small	230	67,5	72,5
Medium	250	72,5	80,5
Large	270	80,5	88,5

Measurement chart calf section
in millimeters


	 Height	 Calf circumference
Small	320	240 - 330
Medium	355	340 - 420
Large	370	430 - 520

Dynamic Walk Mix and Match with Custom Calf height _____ mm - product number **700 100 105**

Dynamic Walk Mix and Match allows you to mix and match different sized foot and calf sections. Fill in the above form to choose foot and calf section size along with model type.

Note: PEEK rods are only available in one size.

Measurement chart calf section
in millimeters

 Height	Standard height of orthosis	Increase/ Decrease height of calf section
Small calf section	320	+/- 25 mm
Medium calf section	355	+/- 30 mm
Large calf section	370	+/- 35 mm

Kung Hans väg 2
192 68 Sollentuna
Sweden

Phone: +46 8 505 332 00
E-mail: order@fillauer.com

Customer: _____

Name: _____

Height: _____

Weight: _____

Size: _____

Activity level: _____

Side: _____

Dynamic Walk - Double - Double & Double - Double Wide

Made on wide ankle molds, does not require a plaster mold Dynamic Walk Double Double PEEK Rod – Standard carbon fiber layup with two PEEK rods on both the lateral and medial side of the orthosis. Used for active patients that need extra dorsal assist.

This Orthosis is available with both a Kevlar foot plate and/ or calf band, check below if you would like to add this option to the orthosis.

Ordering information - Double - Double & Double - Double Wide

Description Double - Double	Product number	Description Double - Double Wide	Product number
<input type="checkbox"/> Small, left, width 68 mm	700117121	<input type="checkbox"/> Small, left, width 72 mm	700117321
<input type="checkbox"/> Small, right, width 68 mm	700117122	<input type="checkbox"/> Small, right, width 72 mm	700117322
<input type="checkbox"/> Medium, left, width 73 mm	700117141	<input type="checkbox"/> Medium, left, width 80 mm	700117341
<input type="checkbox"/> Medium, right, width 73 mm	700117142	<input type="checkbox"/> Medium, right, width 80 mm	700117342
<input type="checkbox"/> Large, left, width 80 mm	700117161	<input type="checkbox"/> Large, left, width 87 mm	700117361
<input type="checkbox"/> Large, right, width 80 mm	700117162	<input type="checkbox"/> Large, right, width 87 mm	700117362

Choose Material:

- Standard Carbon layup: same as the off the shelf version
- Rigid Carbon foot plate: added carbon to increase the rigidity of the part **(700 100 141)**
- Rigid Carbon calf band: added carbon to increase the rigidity of the part **(700 100 142)**

- Would you like us to contact you prior to fabricating the brace?

Phone number you would like to be contacted on: _____

Kung Hans väg 2
192 68 Sollentuna
Sweden

Phone: +46 8 505 332 00
order@fillauer.com

Name: _____

Height: _____

Weight: _____

Age: _____

Activity level: _____

Side: _____

Customer:

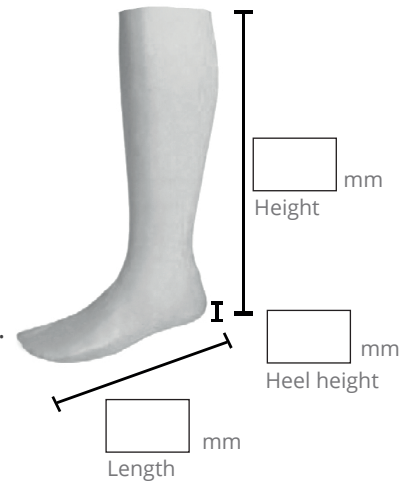
Custom Made - product number **700 100 100**

- Standard
- Single Side Lateral
- Single Side Medial

Dynamic Walk - Custom Made

Casting instructions:

Patient should be weight bearing, standing straight with upright posture when casting. The calf needs to be at a 90° angle to the horizontal plane with the foot at the required heel height. The patient need to be casted up to the Tuberositas of Tibia. Please mark the calfs midpoint on the finished cast. Please mark the pressure points or any areas we should avoid covering on the positive or negative cast. Supply the orthosis foot length, calf height and heel height in measurement boxes above. Standard heel height is 10 mm.



Choose Material:

- Carbon standard layup: same as the off the shelf version
- Rigid Carbon foot plate: added carbon to increase the rigidity of the part (**700 100 141**)
- Rigid Carbon calf band: added carbon to increase the rigidity of the part (**700 100 142**)

Mold Type:

- Positive cast - product number **700 100 145**
- Negative cast - product number **700 100 146**
- Positive foam - product number **700 100 147**

Would you like us to contact you prior to fabricating the brace?
Phone number you would like to be contacted on: _____



www.fillauer.se

Fillauer Europe

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