



ORTOPEDIJOS TECHNIKA

FIXALTO[®]

PRE-PREG TECHNOLOGY

V E R S I O N 2 5



PregFIX[®]

FIXALTO®

PregFIX®

STANDARD PRE-PREG ORTHOSES

Standard models of Pre-preg products:

PregFIX® AFO Medial

PregFIX® AFO Medial beta

PregFIX® AFO Lateral

PregFIX® AFO Flexible

PregFIX® AFO Anterior

PregFIX® Footplate

All these models are available with various modifications, i.e. in carbon fiber only or in a combination of carbon and glass fiber, the customer can also choose the colour of the soft part, the type of fastening and for the anterior AFO we also offer a "hard" version with a stiffened foot area and possibility to choose the surface of the hard part. All products are with trimmable sole part what gives possibility to put it inside the shoe easier and to make corrections without any grinding.

All possible modifications and options are described in detail on the next page after the full presentation of each model.

The structural version of the orthosis – **Medial, Lateral, Flexible, Anterior** – is selected by the physician, depending on the nature and degree of movements and/or disorders of the body posture. The materials in the hard part of the product or a combination thereof (Combi) depend on the age, activity, weight and other characteristics of the patient, which are considered by the technician selecting and adapting the product.

SPECIAL OFFERS FOR PARTNERS:

- developing of standard models according request of the partner;
- private label.

PregFIX® AFO Lateral and 8 possible options



Strong and lightweight solution to provide constant support to the foot. Maximum strength and durability. Sole can be easily adapted to different shoes. Fastening options: velcro closure with return loop or magnetic fastening.

Recommended for use:

- foot drop can occur after a stroke or traumatic brain injury or as a result of multiple sclerosis, neuromuscular atrophy, or peroneal paralysis;
- foot and calf extensors after operation;
- ankle arthritis.

Product feature:

maximum body weight tolerance is 100 kg.

Composition:

made of carbon fiber impregnated with epoxy resin or a combination of glass and carbon fibers.

EasyFit means product with trimmable sole part – what gives possibility to put it inside the shoe easier and to make corrections without any grinding.



Magnetic closure available



Lateral



EasyFit



An orange set of soft parts can be ordered as an option



✓ COMPOSITION	Carbon fiber	Carbon and glass fiber (Combi)
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic

SIZE	S	M	L	XL	TILT ANGLE	SIDE:
H, mm product height	345	355	365	375	92	RIGHT OR LEFT
L, mm foot length	252	275	293	294		

PregFIX® AFO Lateral and 8 possible options

Product name	Composition		Colour of the soft part		Type of fastening	
	Carbon fiber	Carbon and glass fiber (Combi)	Black	Orange	Velcro	Magnetic
PregFIX® AFO Lateral EasyFit	•		•		•	
PregFIX® AFO Lateral EasyFit (orange)	•			•	•	
PregFIX® AFO Lateral EasyFit (orange, magnetic)	•			•		•
PregFIX® AFO Lateral EasyFit (magnetic)	•		•			•
PregFIX® AFO Lateral Combi EasyFit		•	•		•	
PregFIX® AFO Lateral Combi EasyFit (orange)		•		•	•	
PregFIX® AFO Lateral Combi EasyFit (orange, magnetic)		•		•		•
PregFIX® AFO Lateral Combi EasyFit (magnetic)		•	•			•

PregFIX® AFO Medial and 8 possible options

Magnetic closure available



Medial



EasyFit



An orange set of soft parts can be ordered as an option



Strong and lightweight solution to provide constant support to the foot. Maximum strength and durability. Sole can be easily adapted to different shoes. Fastening options: velcro closure with return loop or magnetic fastening.

Recommended for use:

- foot drop can occur after a stroke or traumatic brain injury or as a result of multiple sclerosis, neuromuscular atrophy, or peroneal paralysis;
- foot and calf extensors after operation;
- ankle arthritis.

Product feature:

maximum body weight tolerance is 100 kg.

Composition:

made of carbon fiber impregnated with epoxy resin or a combination of glass and carbon fibers.

EasyFit means product with trimmable sole part – what gives possibility to put it inside the shoe easier and to make corrections without any grinding.



✓ COMPOSITION	Carbon fiber	Carbon and glass fiber (Combi)
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic

SIZE	S	M	L	XL	TILT ANGLE	SIDE:
H, mm product height	345	355	365	375	92	RIGHT OR LEFT
L, mm foot length	252	275	293	300		

PregFIX® AFO Medial and 8 possible options

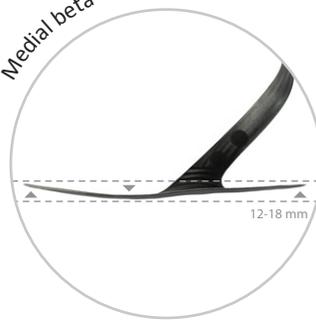
Product name	Composition		Colour of the soft part		Type of fastening	
	Carbon fiber	Carbon and glass fiber (Combi)	Black	Orange	Velcro	Magnetic
PregFIX® AFO Medial EasyFit	•		•		•	
PregFIX® AFO Medial EasyFit (orange)	•			•	•	
PregFIX® AFO Medial EasyFit (orange, magnetic)	•			•		•
PregFIX® AFO Medial EasyFit (magnetic)	•		•			•
PregFIX® AFO Medial Combi EasyFit		•	•		•	
PregFIX® AFO Medial Combi EasyFit (orange)		•		•	•	
PregFIX® AFO Medial Combi EasyFit (orange, magnetic)		•		•		•
PregFIX® AFO Medial Combi EasyFit (magnetic)		•	•			•

PregFIX® AFO Medial beta and 8 possible options

Magnetic closure available



Medial beta



EasyFit



An orange set of soft parts can be ordered as an option



Strong and lightweight solution to provide constant support to the foot. Maximum strength and durability. Sole can be easy adapted to different shoes. Fastening options: velcro closure with return loop or magnetic fastening.

Recommended for use:

- foot drop can occur after a stroke or traumatic brain injury or as a result of multiple sclerosis, neuromuscular atrophy, or peroneal paralysis;
- foot and calf extensors after operation;
- ankle arthritis.

Product feature:

maximum body weight tolerance is 100 kg.

Composition:

made of carbon fiber impregnated with epoxy resin or a combination of glass and carbon fibers.

Medial beta – is a construction version of Medial AFO with a larger roller for faster and easier walking, modeled ankle and longitudinal arch.

EasyFit means product with trimmable sole part – what gives possibility to put it inside the shoe easier and to make corrections without any grinding.



✓ COMPOSITION	Carbon fiber	Carbon and glass fiber (Combi)
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic

SIZE	S	M	L	TILT ANGLE	SIDE:
H, mm product height	363	373	383	89	RIGHT OR LEFT
L, mm foot length	257	270	290		

PregFIX® AFO Medial beta and 8 possible options

Product name	Composition		Colour of the soft part		Type of fastening	
	Carbon fiber	Carbon and glass fiber (Combi)	Black	Orange	Velcro	Magnetic
PregFIX® AFO Medial beta EasyFit	•		•		•	
PregFIX® AFO Medial beta EasyFit (orange)	•			•	•	
PregFIX® AFO Medial beta EasyFit (orange, magnetic)	•			•		•
PregFIX® AFO Medial beta EasyFit (magnetic)	•		•			•
PregFIX® AFO Medial beta Combi EasyFit		•	•		•	
PregFIX® AFO Medial beta Combi EasyFit (orange)		•		•	•	
PregFIX® AFO Medial beta Combi EasyFit (orange, magnetic)		•		•		•
PregFIX® AFO Medial beta Combi EasyFit (magnetic)		•	•			•

PregFIX® AFO Flexible and 8 possible options

Magnetic closure available



EasyFit



An orange set of soft parts can be ordered as an option



Spiral structure for resistance and elasticity; pre-loaded to provide constant support to the foot. Light. Maximum strength and durability. Sole can be easily adapted to different shoes. Fastening options: velcro closure with return loop or magnetic fastening.

Recommended for use:

- neurological illnesses;
- partial foot amputation;
- limping foot;
- multiple sclerosis;
- ictus.

Product feature:

maximum body weight tolerance is 100 kg.

Composition:

made of carbon fiber impregnated with epoxy resin or a combination of glass and carbon fibers.

EasyFit means product with trimmable sole part – what gives possibility to put it inside the shoe easier and to make corrections without any grinding.



✓ COMPOSITION	Carbon fiber	Carbon and glass fiber (Combi)
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic

SIZE	S	M	L	XL	TILT ANGLE	SIDE:
H, mm product height	345	355	365	375	92	RIGHT OR LEFT
L, mm foot length	252	275	293	300		

PregFIX® AFO Flexible and 8 possible options

Product name	Composition		Colour of the soft part		Type of fastening	
	Carbon fiber	Carbon and glass fiber (Combi)	Black	Orange	Velcro	Magnetic
PregFIX® AFO Flexible EasyFit	•		•		•	
PregFIX® AFO Flexible EasyFit (orange)	•			•	•	
PregFIX® AFO Flexible EasyFit (orange, magnetic)	•			•		•
PregFIX® AFO Flexible EasyFit (magnetic)	•		•			•
PregFIX® AFO Flexible Combi EasyFit		•	•		•	
PregFIX® AFO Flexible Combi EasyFit (orange)		•		•	•	
PregFIX® AFO Flexible Combi EasyFit (orange, magnetic)		•		•		•
PregFIX® AFO Flexible Combi EasyFit (magnetic)		•	•			•

PregFIX® AFO Anterior and 36 possible options



Due to the spiral structure, the orthosis is characterised by energy release. In that way, the orthosis compensates the function of the damaged muscle group which facilitates the stepping process and it thus returns to being natural. Having impaired movement and the ability to maintain body position, the orthosis might be helpful in aiding to maintain balance and to stabilise movement. Maximum strength and durability. Sole can be easily adapted to different shoes. Fastening options: velcro closure with return loop or magnetic fastening.

Recommended for use:

- for fixing the tarsus joint;
- to support the drop foot;
- cerebral palsy, and other disorders of movement and body position.

Product feature:

maximum body weight tolerance is 100 kg.

Composition:

made of carbon fiber impregnated with epoxy resin or a combination of glass and carbon fibers.

Version Hard with additional carbon layer on foot plate for higher immobilisation.

EasyFit means product with trimmable sole part – what gives possibility to put it inside the shoe easier and to make corrections without any grinding.

Magnetic closure available



Water print technology



EasyFit



An orange set of soft parts can be ordered as an option

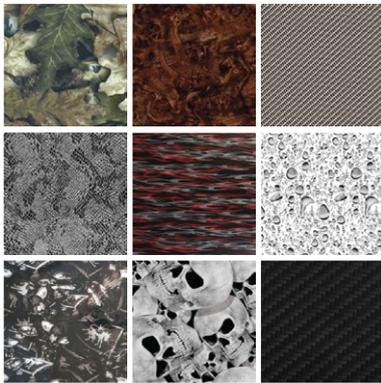


✓ COMPOSITION (HARD VERSION)	Carbon fiber	-
✓ COMPOSITION (NOT FOR HARD VERSION)	Carbon fiber	Carbon and glass fiber (Combi)
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic
✓ HARD PART	Standard	Hard version
✓ SURFACE OF THE HARD PART	Standard	Shiny Waterprint

SIZE	S	M	L	TILT ANGLE	SIDE:
H, mm product height	395	405	415	87	RIGHT OR LEFT
L, mm foot length	255	270	290		

PregFIX® AFO Anterior and 36 possible options

WATER PRINT technology provides an opportunity to personalize the product and to create BEAUTY and STYLE. Please contact your export manager for the exact choice of images for your waterprints.



Product name	Composition		Colour of the soft part		Type of fastening		Hard part		Surface of the hard part		
	Carbon fiber	Carbon and glass fiber (Combi)	Black	Orange	Velcro	Magnetic	Standard	Hard version	Standard	Shiny	Waterprint
PregFIX® AFO Anterior EasyFit	•		•		•		•		•		
PregFIX® AFO Anterior EasyFit (orange)	•			•	•		•		•		
PregFIX® AFO Anterior EasyFit (orange, magnetic)	•			•		•	•		•		
PregFIX® AFO Anterior EasyFit (magnetic)	•		•			•	•		•		
PregFIX® AFO Anterior Combi EasyFit		•	•		•		•		•		
PregFIX® AFO Anterior Combi EasyFit (orange)		•		•	•		•		•		
PregFIX® AFO Anterior Combi EasyFit (orange, magnetic)		•		•		•	•		•		
PregFIX® AFO Anterior Combi EasyFit (magnetic)		•	•			•	•		•		
PregFIX® AFO Anterior Hard EasyFit	•		•		•			•	•		
PregFIX® AFO Anterior Hard EasyFit (orange)	•			•	•			•	•		
PregFIX® AFO Anterior Hard EasyFit (orange, magnetic)	•			•		•	•		•		
PregFIX® AFO Anterior Hard EasyFit (magnetic)	•		•			•	•		•		
PregFIX® AFO Anterior EasyFit (shiny)	•		•		•		•			•	
PregFIX® AFO Anterior EasyFit (orange, shiny)	•			•	•		•			•	
PregFIX® AFO Anterior EasyFit (orange, magnetic, shiny)	•			•		•	•			•	
PregFIX® AFO Anterior EasyFit (magnetic, shiny)	•		•			•	•			•	
PregFIX® AFO Anterior Combi EasyFit (shiny)		•	•		•		•			•	
PregFIX® AFO Anterior Combi EasyFit (orange, shiny)		•		•	•		•			•	
PregFIX® AFO Anterior Combi EasyFit (orange, magnetic, shiny)		•		•		•	•			•	
PregFIX® AFO Anterior Combi EasyFit (magnetic, shiny)		•	•			•	•			•	
PregFIX® AFO Anterior Hard EasyFit (shiny)	•		•		•			•	•		
PregFIX® AFO Anterior Hard EasyFit (orange, shiny)	•			•	•			•	•		
PregFIX® AFO Anterior Hard EasyFit (orange, magnetic, shiny)	•			•		•	•		•	•	
PregFIX® AFO Anterior Hard EasyFit (magnetic, shiny)	•		•			•	•		•	•	
PregFIX® AFO Anterior EasyFit (waterprint)	•		•		•		•				•
PregFIX® AFO Anterior EasyFit (orange, waterprint)	•			•	•		•				•
PregFIX® AFO Anterior EasyFit (orange, magnetic, waterprint)	•			•		•	•				•
PregFIX® AFO Anterior EasyFit (magnetic, waterprint)	•		•			•	•				•
PregFIX® AFO Anterior Combi EasyFit (waterprint)		•	•		•		•				•
PregFIX® AFO Anterior Combi EasyFit (orange, waterprint)		•		•	•		•				•
PregFIX® AFO Anterior Combi EasyFit (orange, magnetic, waterprint)		•		•		•	•				•
PregFIX® AFO Anterior Combi EasyFit (magnetic, waterprint)		•	•			•	•				•
PregFIX® AFO Anterior Hard EasyFit (waterprint)	•		•		•			•	•		•
PregFIX® AFO Anterior Hard EasyFit (orange, waterprint)	•			•	•			•	•		•
PregFIX® AFO Anterior Hard EasyFit (orange, magnetic, waterprint)	•			•		•	•		•	•	•
PregFIX® AFO Anterior Hard EasyFit (magnetic, waterprint)	•		•			•	•		•	•	•

PregFIX® Footplate and 2 possible options

Recommended for use:

- partial foot amputation;
- mid-tarsal fractures;
- arthritis.

Composition:

made of carbon fiber impregnated with epoxy resin or a combination of glass and carbon fibers.



PregFIX® Footplate EasyFit PregFIX® Footplate Combi EasyFit

SIZE	S	M	L	XL	SIDE:
L, mm footplate length	228-240	248-260	268-280	288-300	RIGHT OR LEFT

Footplates are available in a right and left. Sold each.

EasyFit means product with trimmable sole part – what gives possibility to put it inside the shoe easier and to make corrections without any grinding.

Product name	Composition	
	Carbon fiber	Carbon and glass fiber (Combi)
PregFIX® Footplate EasyFit	•	
PregFIX® Footplate Combi EasyFit		•

PregFix® Soft Part Posterior and 4 possible options

PregFix® Soft Part Posterior - is a padding set consisting of two separate components that help to reduce any potential discomfort caused by bony prominences.

✓ SIZE	Universal	
✓ SIDE	Right	Left
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic



Soft part with velcro closure (black or orange)



Easy and convenient replacement of the soft part for your current AFO



Magnetic closure



Product name	Suitable for the following standard AFO versions					Colour of the soft part		Type of fastening	
	PregFix® AFO Lateral and 8 possible options	PregFix® AFO Medial and 8 possible options	PregFix® AFO Medial beta and 8 possible options	PregFix® AFO Flexible and 8 possible options	PregFix® AFO Anterior and 36 possible options	Black	Orange	Velchro	Magnetic
PregFix® Soft Part Posterior	•	•	•			•		•	
PregFix® Soft Part Posterior (orange)	•	•	•				•	•	
PregFix® Soft Part Posterior (orange, magnetic)	•	•	•				•		•
PregFix® Soft Part Posterior (magnetic)	•	•	•			•			•

PregFix® Soft Part Flexible and 4 possible options

PregFix® Soft Part Flexible helps to reduce any potential discomfort caused by bony prominences.

✓ SIZE	Universal	
✓ SIDE	Right	Left
✓ COLOUR OF THE SOFT PART	Black	Orange
✓ TYPE OF FASTENING	Velcro	Magnetic



Soft part with velcro closure (black or orange)



Easy and convenient replacement of the soft part for your current AFO



Magnetic closure



Product name	Suitable for the following standard AFO versions					Colour of the soft part		Type of fastening	
	PregFix® AFO Lateral and 8 possible options	PregFix® AFO Medial and 8 possible options	PregFix® AFO Medial beta and 8 possible options	PregFix® AFO Flexible and 8 possible options	PregFix® AFO Anterior and 36 possible options	Black	Orange	Velchro	Magnetic
PregFix® Soft Part Flexible				•		•		•	
PregFix® Soft Part Flexible (orange)				•			•	•	
PregFix® Soft Part Flexible (orange, magnetic)				•			•		•
PregFix® Soft Part Flexible (magnetic)				•		•			•

PregFix® Soft Part Anterior and 4 possible options

PregFix® Soft Part Anterior helps to reduce any potential discomfort caused by bony prominences.

Choose the size of the soft part of the anterior AFO according to the size of the AFO you wear. See page 11 for how to choose the correct size of the anterior AFO.

SIZE:
S, M, L

SIDE:
RIGHT OR LEFT



Product name	Suitable for the following standard AFO versions					Colour of the soft part		Type of fastening	
	PregFix® AFO Lateral and 8 possible options	PregFix® AFO Medial and 8 possible options	PregFix® AFO Medial beta and 8 possible options	PregFix® AFO Flexible and 8 possible options	PregFix® AFO Anterior and 36 possible options	Black	Orange	Velchro	Magnetic
PregFix® Soft Part Anterior					•	•		•	
PregFix® Soft Part Anterior (orange)					•		•	•	
PregFix® Soft Part Anterior (orange, magnetic)					•		•		•
PregFix® Soft Part Anterior (magnetic)					•	•			•

FIXALTO[®]

**CUSTOM-MADE
PRE-PREG ORTHOSES**



PregFIX[®]



Custom-made orthoses:

- dynamic ankle-foot orthosis (DAFO);
- ankle-foot orthosis (AFO);
- knee orthosis (KO);
- knee-ankle- foot orthosis (KAFO);

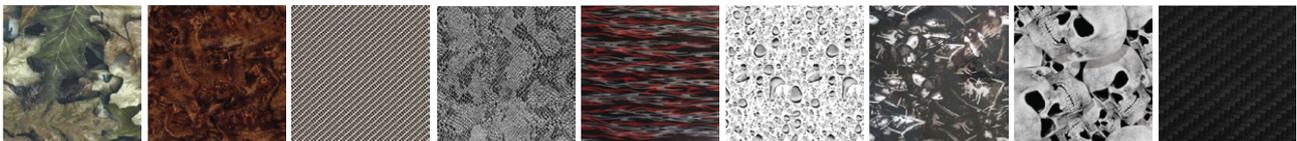
Custom-made orthoses could be made according:

- plaster positive/negative
- 3D scanned data.

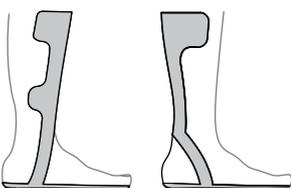
Suggested options:

- without or with joints – send by you or received from our well-known suppliers;
- with or without trimmable sole part;
- with or without soft parts;
- insoles with or without covering could be ordered extra;
- surface of the hard part: standard, shiny or water printing;
- placing orders using our or your order forms;
- attractive production terms;
- selected the best offers for delivery from our company to you.

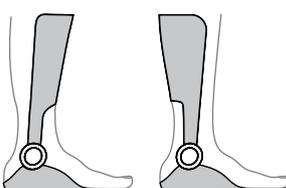
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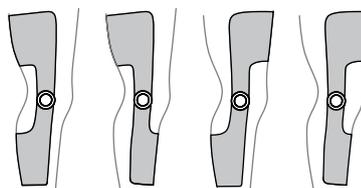
DAFO



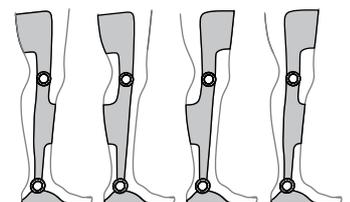
AFO



KO



KAFO





Pre-preg footplate could be manufactured serial as well as custom made.

We also produce other products individually based on PrePreg technology, such as shoe insoles and protective face masks.

Protective face mask



Recommended for:

Sportsmen after various facial injuries (nose or other facial bone fractures). With this protection, the athlete can return to the sport faster, which is extremely important for professionals.

Features of the protective face mask:

- made individually,
- protects against repeated injuries,
- extremely strong and light,
- the inner part of the mask is covered with a soft material that absorbs part of the impact and increases wearing comfort.

With this protection:

a professional athlete can resume playing in a matter of weeks instead of missing the rest of the season.

Protective carbon fiber face masks are not just for professional athletes, they can also help many active people who have experienced facial injury or surgery.

FACE MASK FOR ATHLETES

MECHANICAL TEST CONCLUSIONS:

- Withstands a load up to 600 N
- Unbreakable up to 1000 N
- Protects the face from possible damage
- Safe construction

Chili



Spring



Orthotics and custom made footwear

1 Orthosis on a last



2 Orthosis covered by upper leather



3 Great alternative to a high boot with full support and stability, lightweight, with sweating prevention

Stable foot support when wearing a low shoe

Quick lacing system

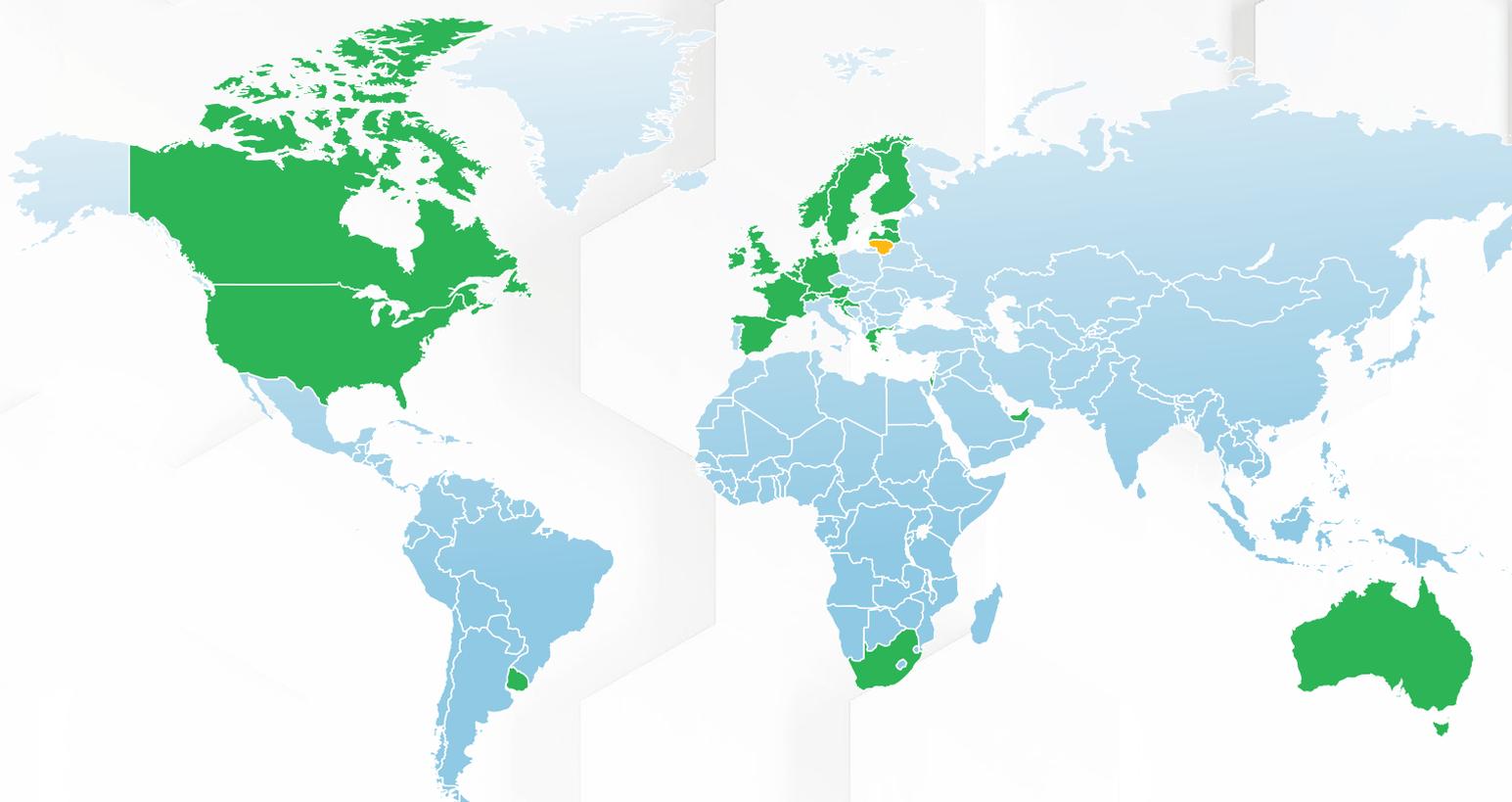
Custom made footwear suitable for wearing an orthosis





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