

INSOLES AND SHOES

SUPPORTS AND ORTHOSES

MEDICAL COMPRESSION STOCKINGS

MEASUREMENT TECHNOLOGY

FOOT ORTHOSES

ErgoPad® *weightflex*

**ONE  
FITS  
ALL.**

Variable support -  
For all (or most) types of  
shoe-wear!

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# ErgoPad® weightflex – an orthosis with the X factor.

The principle of spiral dynamics:  
the classic concept of movement.

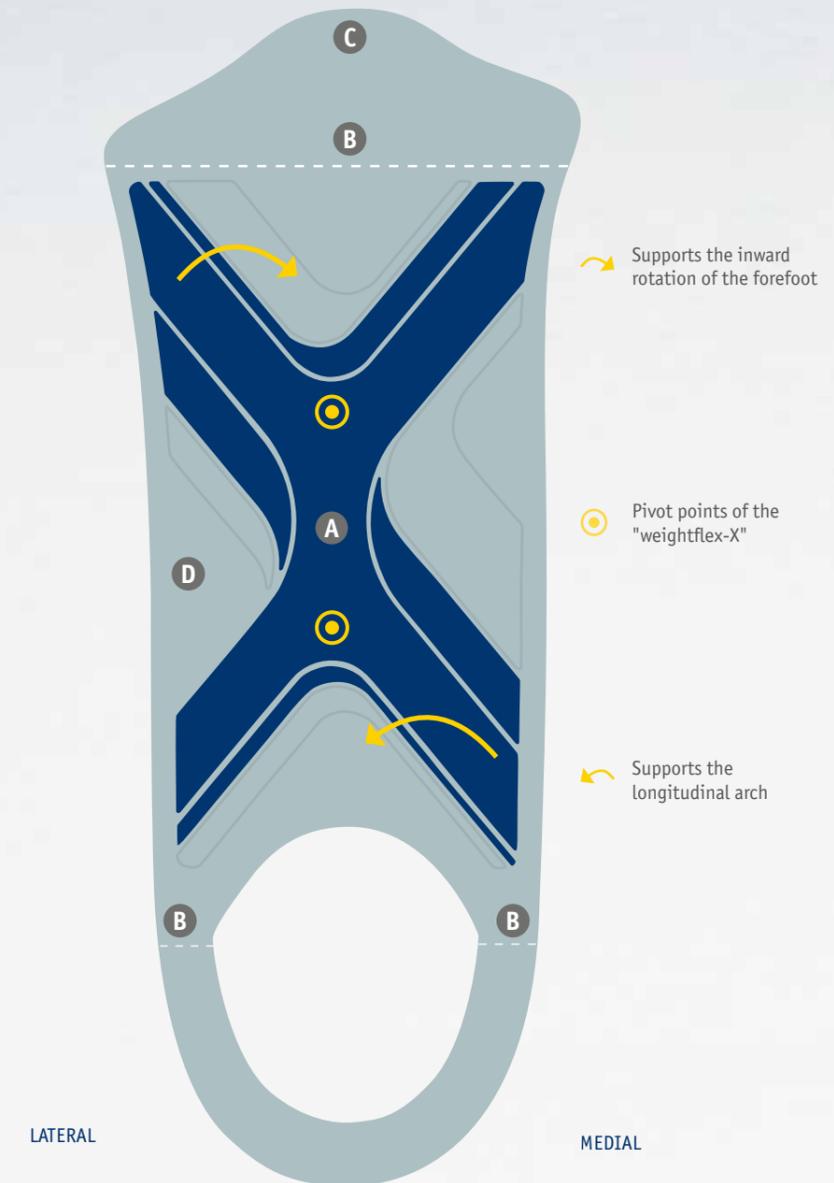
The rotational and counter-rotational movement of the forefoot and hindfoot affects the complex spiral structure of the foot arches – which guarantees high stability under loading, postural stability and dynamics.

In the case of a loss of function, the new ErgoPad weightflex synthetic orthosis, with its asymmetrical "weightflex-X" incorporated into the orthotic core, helps actively support the natural spiral dynamics in the foot.

## Weightflex technology - A cross-shaped force distribution system.



The "weightflex-X" integrated in the orthotic core has a positive effect on the internal dynamics and torsional stability of the feet. The side sections, which vary in elasticity, guide the forces that arise over two pivot points. The mutual exchange of force supports the natural heel-to-toe movement of the feet and corrects the gait.



### A Flexible orthotic core

The flexible orthotic core, offering three different levels of firmness, boosts the torsional moment, supports the longitudinal arch and provides optimal guidance for every step.

### B Plastic hinges

The orthotic core bends in both the heel and forefoot areas, so it can be adapted to suit a variety of heel heights.

### C Front edging

The edging at the front of the core is anatomically contoured, leaving the metatarsophalangeal (MTP) joints free. The edges are thin.

### D Lowering at the base of the MTP V joint

The outer area of the orthotic core is lower at the base of the fifth metatarsal bone. This takes into account the biomechanical requirements of this part of the foot.

## Orthotic cores with variable support.

The weightflex orthotic core is available in a range of flexible designs to suit each patient's individual foot conditions, therapeutic goals and body weight.



### soft

This version offers light arch support and is available in a narrow design, making it particularly suitable for wearing in ladies' shoes with various heel gradients.

#### Designs:

- Microfiber with cushion
- Microfiber without cushion

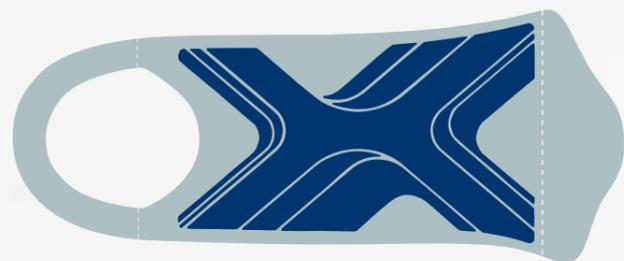


### medium

This version offers moderate arch support and is available in a narrow design suitable for wearing in ladies' shoes with various heel gradients and in a wide design for men's shoes.

#### Designs:

- Microfiber with cushion
- Calfskin
- Lai Porellina
- Sleek leather



### strong

This version offers strong arch support and is available in a wide design that is particularly suitable for absorbing the strain on the feet from higher body weights.

#### Designs:

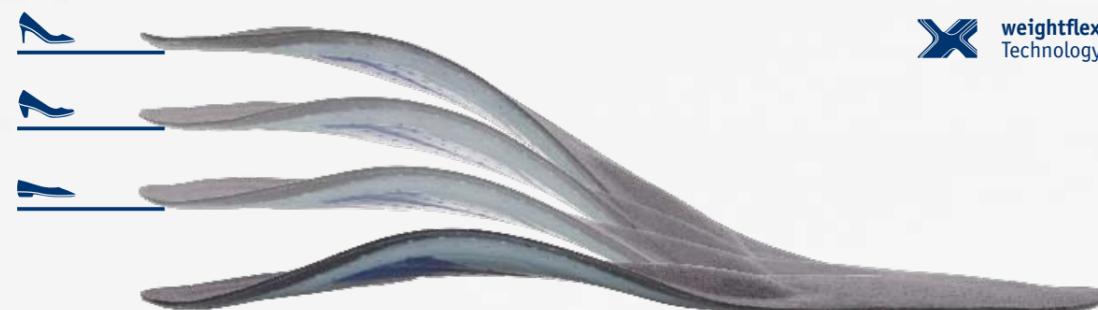
- Microfiber with cushion
- Calfskin
- Lai Porellina
- Sleek leather



## One fits all – the perfect foot orthosis for every shoe.

The ErgoPad weightflex cores can be incorporated into short-sole and long-sole orthoses that take up a minimal amount of space and suit a variety of purposes.

This is a particular advantage for users who like to wear heeled shoes. The core bends in the forefoot and heel areas - just like a hinge. This means that the foot orthosis can easily be adapted to fit most heel gradients.



 **weightflex®**  
Technology

Whether you are wearing flat ballerina-style shoes or classic pumps – the ErgoPad weightflex can be optimally adjusted to suit any heel height.

## Manufacturing/modification instructions for orthotists.

- 1. Recommendations for grinding**  
 The sides of the top cover and bottom coating of the orthosis can be ground down to fit into the shoe. A minimum distance of three millimeters from the core is recommended.
- 2. Top cover**  
 When modifying the orthotic core, we recommend that you apply a top cover, e.g. made from microfiber or leather.
- 3. Bonding**  
 Use of a standard workshop contact adhesive (Renia TopFit, Vulkofest, etc.) is recommended. The orthotic cores are slightly roughened to make them easier to modify in the workshop.
- 4. Thermoforming/shaping**  
 Heating up the entire foot orthosis and extensive thermoforming can have an adverse effect on the bonding of the various materials.  
**Recommendation:** Only use orthotic cores for thermal shaping. Please note that the molecular structure of plastics changes when they are heated, which can make them more brittle (this does not constitute grounds for complaint!). Use a forming temperature of 80° to a maximum of 100°C. Heating in a water bath is recommended.
- 5. Suitable footwear**  
 Everyday shoes, business shoes and ladies' shoes with a moderate heel height.
- 6. Cleaning/care**  
 If necessary, use a sponge to wipe the microfiber top cover and the surfaces of the orthosis clean with a mild detergent, then rinse well (this does not apply to leather top covers). Allow to air dry and do not expose the orthoses to heat sources.
- 7. Serviceable life**  
 The serviceable life of an orthosis depends on the amount of stress it undergoes. The functionality of the foot orthosis should be checked (and a new product made if necessary) after six months to a year.

### Product features orthotic core



## A comprehensive approach to lower extremity care



### VenoTrain® micro

This stylish and versatile compression stocking is particularly comfortable to wear thanks to its silky-smooth microfibers.



### VenoTrain® business

This modern compression stocking with a classic ribbed look offers excellent wearing comfort especially for men.

**BODYTRONIC®**

Precision perfect relief for the feet.

The ideal equipment for recording the static and dynamic load distribution on the soles of the feet.

