

# CMF | CUSTOM-MADE FOOT ORTHOTICS

AW 2023



KLAVENESS





# CUSTOM-MADE FOOT ORTHOTICS CONCEPT

Klaveness offers a concept for Custom-Made Foot Orthotics (CMF), with various options to help you get the best product for your patient. You can either ask Klaveness to design and produce the orthotics or, if you prefer, take part in the design process and send us

your requirements. Either way, with all our tools at your disposal, you will receive a product where minor or no adjustments will be needed to get a perfect fit, be it to the foot or your patient's shoes.

Custom-Made Foot Orthotics are specifically conceived to manage conditions that cause pain or discomfort when walking, running, or during everyday activities.

## METATARSAL PAD / BAR

Both can be added and customised in shape and in height.

## INTERNAL CUSHIONING

The foot orthotics can be delivered with heel cushioning.

## SINK / SOFT SPOTS

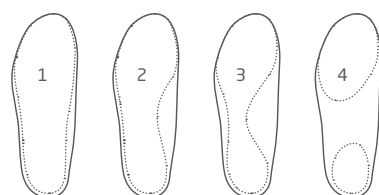
Focused pain and pressure relief areas can be added according to the patient's needs. These may or not be filled with Poron.

## EXTERNAL CUSHIONING

The foot orthotics can be delivered with heel cushioning.

## BOTTOM FINISHING

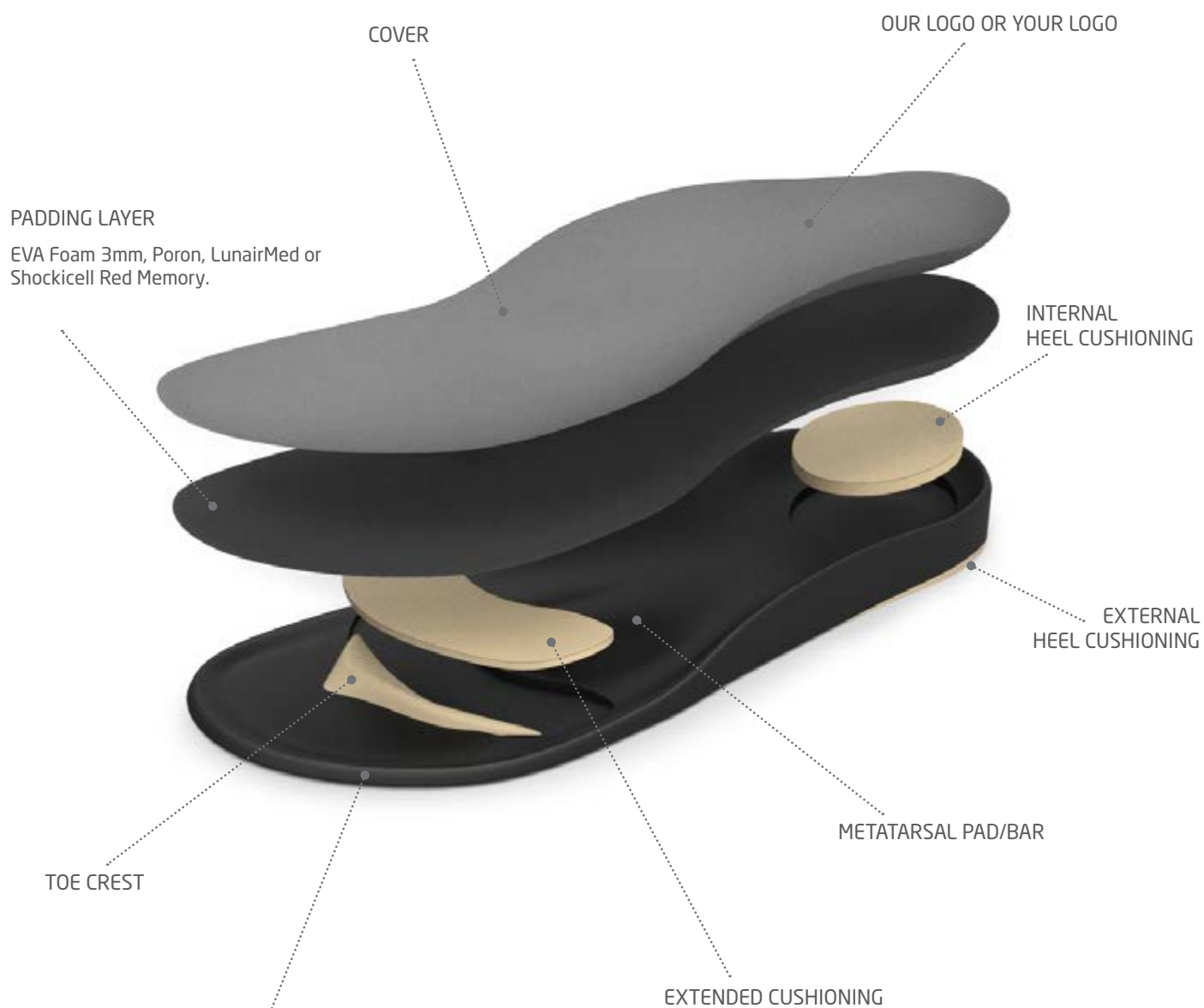
Our bottom finishing standards are applied so you can fit the foot orthotic in different types of shoes.



1 - Sandal 2 - Comfort 3 - Sport 4 - Football

# MILLED EVA FOOT ORTHOTIC (STANDARD)

## COMPONENTS



### EVA FOOT ORTHOTIC

The foot orthotics' base material is EVA, available in Shore hardness 35, 45 (Regular), 45 ESD, 55, 25 (Diabetic spec.) or multishore.

## TOP COVER OR PADDING MATERIAL OPTIONS

### LEATHER 3A 0021

#### For top cover

Good absorption properties.  
Available in black or beige.



### COVERLINING 3A 0022

#### For top cover

Soft surface for increased comfort.  
Available in black or beige.



### PORON 3A 0023

#### For top cover or padding

Shock absorption and fungal resistance.  
Available with 1.5mm or 3mm, in black or beige.



### SYNTHETIC LEATHER 3A 0028

#### For top cover

Washable and easy to slip on.



### THIN EVA 3A 0029

#### For top cover

Smooth finishing, similar to the traditional Vacuum Formed Foot Orthotics.  
Available in black.



### ON STEAM 3A 0033

#### For top cover

High vapour permeability/coefficient.  
Very short absorption time and high abrasion resistance.

NEW!



### EVA FOAM 3MM 3A 0056

#### For top cover or padding

Thermoformable and durable, also suitable for padding and for CMF with a high heel cup.  
Available in black or orange.



### LUNAIRMED 3A 0057

#### For top cover or padding

Shock absorption and soft surface. Thermoformable. Not advisable to be combined with high heel cup and 35 shore.  
Available with 2 or 3mm, in black or beige.



### SOFT MICROTEx PERFORATED 3A 0058

#### For top cover

Extra soft, perforated, breathable and easy to clean. Good option when you don't want sweat or liquid absorption in the surface. Very good breathability when combined with milled EVA diabetic.



### MICROTEx 3A 0059

#### For top cover

Breathable and easy to clean. Good option when you don't want sweat or liquid absorption in the surface. Optimal result when combined with milled EVA diabetic.



### SHOCKICELL RED MEMORY 3A 0060

#### For top cover or padding

Breathable and slow recovery material. Optimal result when combined with milled EVA diabetic.



# MILLED EVA (STANDARD FOOT ORTHOTIC)

3D 0020

This foot orthotic is very versatile and the most customisable. You can incorporate different types and material densities, top cover, cushioning placement, and supportive elements for increased functionality.



**Material choices:** EVA in black (35, 45, 45 ESD or 55 Shore) or beige (35, 45 or 55 Shore). The choice of material will depend on the level of support and rigidity required, as well as the desired weight and durability. The EVA base material is 40 mm thick.

**Padding:** A layer of Poron, EVA, Shockicell Red Memory or Lunairmed can be added to provide additional cushioning and comfort.

**Top cover:** This is an optional layer of material applied to the surface that improves the appearance and protects from wear and tear. Depending on foot shape, activity level, and lifestyle, the options include leather, coverlining, EVA, Poron, or synthetic materials.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedge, extended forefoot, heel cushioning, heel cup height, soft areas, and sinks.

## BOTTOM FINISHING 3A 0024



Sport bottom finishing (standard).  
Available options: sandal, comfort, sport, football.

## EXTERNAL HEEL CUSHIONING 3A 0026



## INTERNAL HEEL CUSHIONING 3A 0027



Lateral extended.  
Three different choices.

## EXTENDED CUSHIONING 3A 0031



Heel to MTP.  
Four different options.

## FILLED SINK 3A 0032



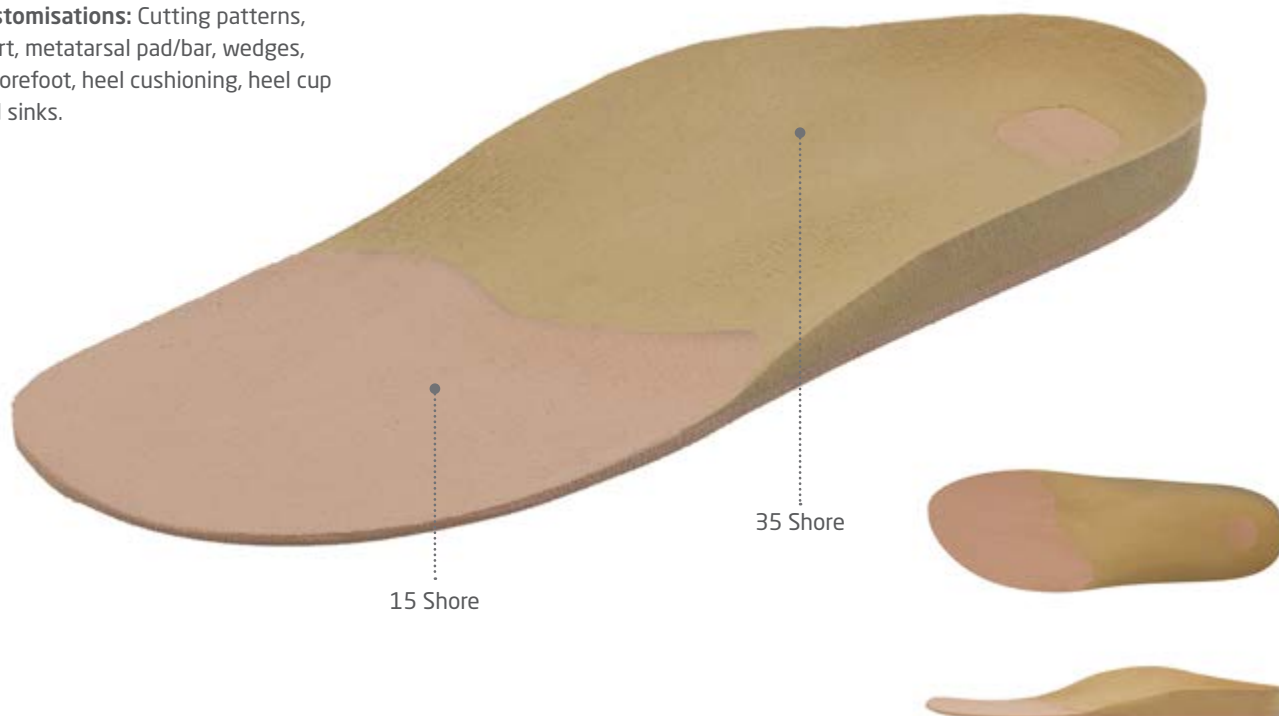
MTP4.  
Choose free location and shape  
or preselected areas.

# MILLED EVA MULTISHORE FOOT ORTHOTIC

3D 0057

Dual-density EVA foot orthotic. Salmon 15 shore on the ground layer and heel pad relief, beige 35 shore support layer on the cup and arch.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedges, extended forefoot, heel cushioning, heel cup height, and sinks.



# MILLED EVA MULTISHORE FOOT ORTHOTIC

3D 0059

Dual-density EVA foot orthotic. Blue 30 shore on the ground layer, forefoot and heel pad relief, grey 40 shore support layer on the cup and arch.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedges, extended forefoot, heel cushioning, heel cup height, and sinks.



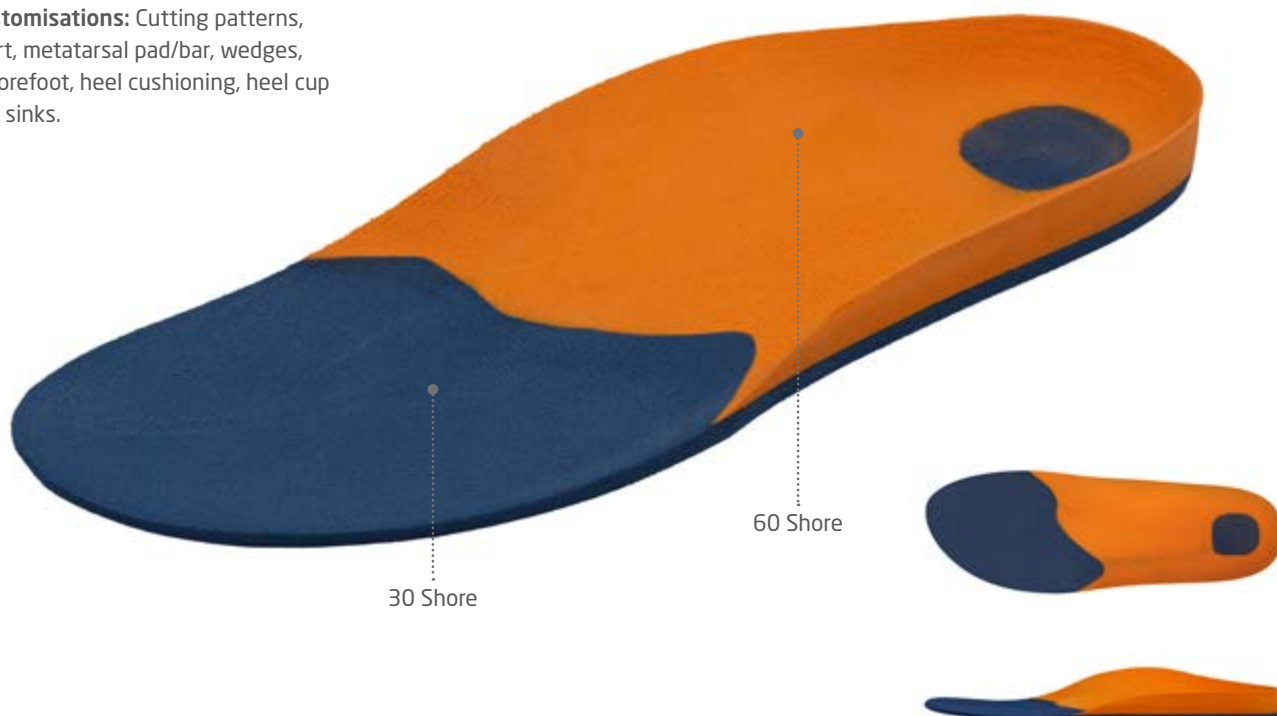


## MILLED EVA MULTISHORE FOOT ORTHOTIC

3D 0058

Dual-density EVA foot orthotic. Blue 30 shore on the ground layer, forefoot and heel pad relief, orange 60 shore support layer on the cup and arch.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedges, extended forefoot, heel cushioning, heel cup height, and sinks.

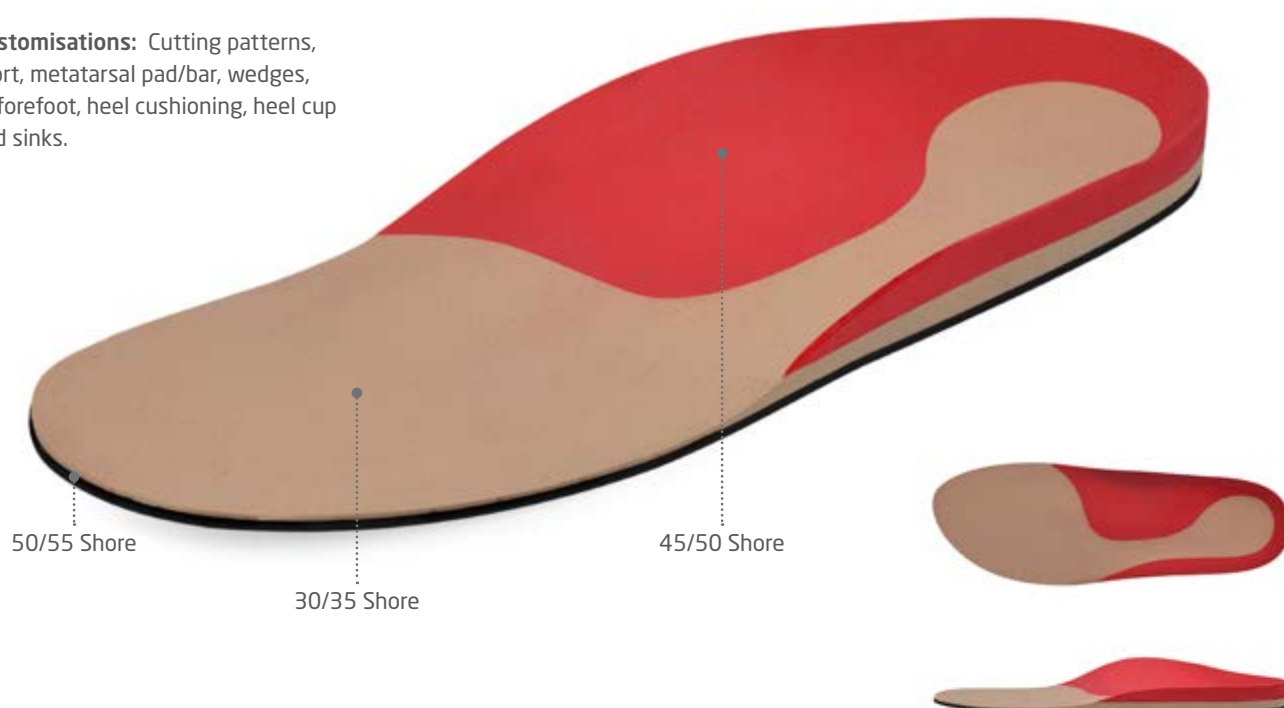


## MILLED EVA MULTISHORE FOOT ORTHOTIC

3D 0044

Three density EVA foot orthotic. Black 50/55 shore on the ground layer, beige 30/35 shore on the mid-layer, and red 45/50 shore on the cup and arch support.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedges, extended forefoot, heel cushioning, heel cup height, and sinks.



# VACUUM FORMED COMPOSITE FOOT ORTHOTIC

3D 0040

These thin, lightweight foot orthotics offer a slim profile that fits comfortably into tight-fitting shoes with little volume.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedge, and extended forefoot.

**Limitations:** No cushioning, sinks, and materials/thickness options are possible.



# VACUUM FORMED FELT FOOT ORTHOTIC

3D 0042

These thermo-felt foot orthotics are warm, comfortable and breathable and have reinforcements on the arch and heel area.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, and extended forefoot.

**Limitations:** No wedges, cushioning, sinks, and materials/thickness options are possible.





# MILLED EVA DIABETIC FOOT ORTHOTIC

3D 0043

Blue, soft open-cell EVA, 25 Shore.

Open-cell foam delivers softness while maintaining compression and allows airflow, making the foot orthotic more breathable and moisture-wicking.

Combine with a padding layer and top cover for optimal results.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, wedges, extended forefoot, heel cushioning, heel cup height, soft areas, and sinks.



# MILLED UVEX FOOT ORTHOTIC

3D 0056

These foot orthotics are made with uvex materials and finishing processes. This way, they maintain safety and meet the regulations to hold the EN ISO 20345:2011 certification for orthopaedic safety footwear. By default, we remove the base material on the toe area.

**Design customisations:** uvex cutting patterns, arch support, metatarsal pad/bar, wedge, and heel cup height.

**Cutting patterns:** uvex 1, uvexX1 Sport, uvex 2, uvex 2 Trend, uvex G2-M.



**Limitations:** There are size restrictions to consider. Maximum overall plate size (excl. cover): 35x310 mm.

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## VACUUM FORMED EVA FOOT ORTHOTIC

3D 0050

These foot orthotics have a smooth surface and a pre-roughened outline with enough material for further customisation in your workshop.

Made from 16 mm EVA material, 45 Shore as a standard, they are always designed with a "Foot focus" outline.

**Design customisations:** Cutting patterns, arch reinforcement, metatarsal pad/bar, wedge, and extended forefoot.



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## VACUUM FORMED CORK FOOT ORTHOTIC

3D 0053

These foot orthotics are made of compression-resistant EVA material that contains cork and holds shape when high support is demanded. Shore 60.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar and wedge.



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## MILLED PU POSITIVE

3D 0041

Milled in high-density PU, this positive is ideally suited for vacuum-forming foot orthotics at your workshop.

**Design customisations:** Cutting patterns, arch support, metatarsal pad/bar, and extended forefoot.



**Limitations:** No wedges, heel cushioning, heel cup height, sinks, or bottom finishing are possible.

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## ONLINE CONFIGURATOR DESIGN OPTIONS

You are the designer! We make the 3D modeling according to your order configuration. From an extended range of available options, we highlight the following:

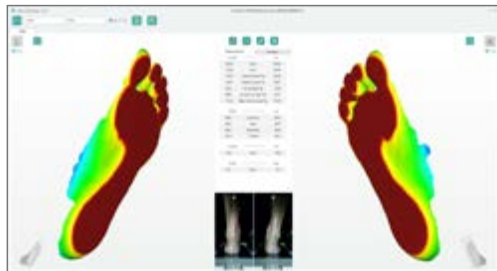
- Customisable outlines: based on Klaveness lasts. "Best fit foot" or "By scanned outline" from any shoe insole.
- Different bar/pad shapes.
- Toe crest.
- Forefoot and heel wedges.
- Thin out front (for more space in the toe area).
- Three different ways of adjusting the arch support.
- Sinks according to pressure point on photo/foambox, mark on photo or defined by selection of MTP.
- Sinks may be filled with Poron.
- Several standard soft areas.
- Heel cushioning can be invisible inside the heel or outside.
- Heel cup height.



## KLAVENESS' FLATBED SCANNER FROM USOL

Klaveness' flatbed scanner (from USOL) delivers good measurements of the foot and has colour mapping on the surface.

This solution is portable and easy to operate.



## K-LAB SCANNER APP

The Klaveness 3D scanner app works seamlessly with the Structure Sensor from Occipital and allows you to order custom-made foot orthotics from Klaveness.

With this tool, you can scan foam boxes on the go, and it is, so far, our most portable and affordable solution.



Scan and order with  
the same device.  
Click and go directly  
to the Online  
Configurator

To use this app you will need the Structure Sensor by Occipital and an iPad. For more information on the Structure Sensor by Occipital please visit [www.structure.io](http://www.structure.io)



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**KLAVENESS**

**Klaveness Footwear AS**  
Lingelemveien 65J, 3225 Sandefjord | Norway

[klaveness.no](https://klaveness.no)

**CONTACT US**

Norway +47 33 48 97 00 | [post@klaveness.no](mailto:post@klaveness.no)

Sweden +46 52 66 07 88 | [info@klaveness.se](mailto:info@klaveness.se)

Finland +358 40 484 0088 | [asiakaspalvelu@klaveness.fi](mailto:asiakaspalvelu@klaveness.fi)