

# Instructions for ordering Custom ToeOFF® / BlueROCKER®

*Please read these instructions carefully before ordering!*

- All pages of the order form should be completed, including the measurement form.
- This is a NON CE-MARKED product. The manufacturer complies with the requirements MDR 2017/745 Annex I Chapter II Requirements regarding Design & Manufacture, applicable for manufacturing. The following requirements are met by the manufacturer: MDR 2017/745 Annex I Chapter II; 10.1 with exception of c) and e); 10.4.1. a); 10.5 & 14.7. For design and remaining requirements in MDR 2017/745 Annex I it is referred to the Health & Medical Institution which prescribed the product.
- It is recommended to apply the same careful patient selection, fitting and adjustments as for a regular ToeOFF® or BlueROCKER®.
- To optimize the performance and durability of the ordered product, we strongly recommend that you send a 10 second video or photo of the patient walking towards and away from camera with knees visible and wearing shoes that will be worn with the brace.
- Allard INT/UK/USA and Camp Scandinavia reserve the right to refuse orders for custom composite AFOs that exceed parameters to fabricate a device that might compromise safety for the wearer.
- This form must be submitted through <https://submit.allardsupport.com>
- By submitting this form you certify that personal data has been processed in compliance with GDPR (EU) 2016/679. The data will be processed only to the extent necessary to deliver ordered products according to the Data Privacy Regulation GDPR (EU) 2016/679.

## Ordering Custom ToeOFF®/BlueROCKER®

Before ordering custom product(s), we strongly recommend that the patient first trials our standard ToeOFF®/BlueROCKER® product(s) when possible. When testing standard product(s), you'll get a baseline for the type of product strength you are looking for, and from that point you can choose more or less stability in the M-L (frontal) or A-P(sagittal) planes (Section 8).

The Custom ToeOFF®/BlueROCKER® can be made from a scan, a cast (pos/neg), from measurement, or as a standard ToeOFF®/BlueROCKER® with changed properties (Section 2). It is important that our recommendations regarding alignment, casting and scanning are followed for the finished product to work and fit optimally. Ordering with measurements cannot be done if the patient has foot deformities, severe varus/valgus ankle position, or if there is pressure from the strut in a ToeOFF®/BlueROCKER®.

## Alignment

When a standard ToeOFF®/BlueROCKER® is correctly fitted in a shoe with the corresponding heel height, the standard alignment for the foot and lower leg is with the ankle in a neutral ( $0^\circ$ ) position in the frontal plane (Image 1) and the anterior shank to vertical at approx.  $8-10^\circ$  in the sagittal plane (Images 2 & 3). The 2nd metatarsal should be in the line of progression or slightly ( $\leq 7^\circ$ ) externally rotated.



Image 1

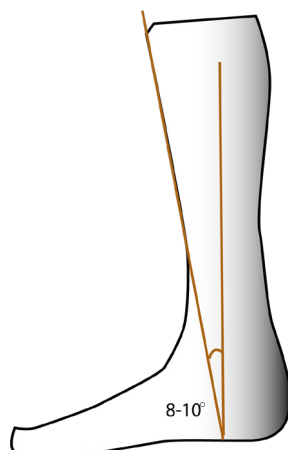


Image 2

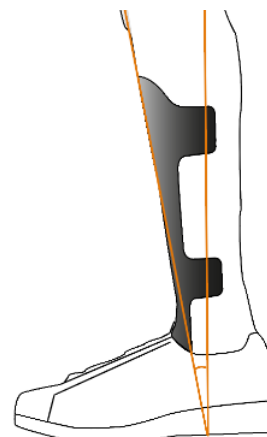
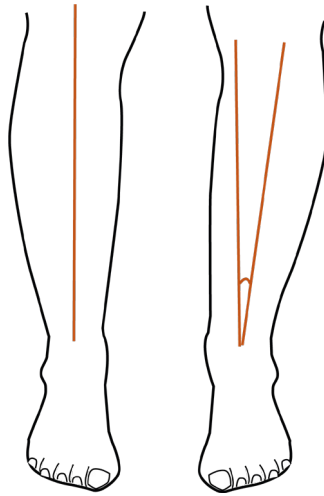


Image 3

In cases where the patient does not follow the standard alignment when standing or walking, it is important that the casting or scanning is done in a weight bearing position of the affected leg. Image 4 is an example where the patients right leg has standard alignment and the left leg has 7° of tibia varum.

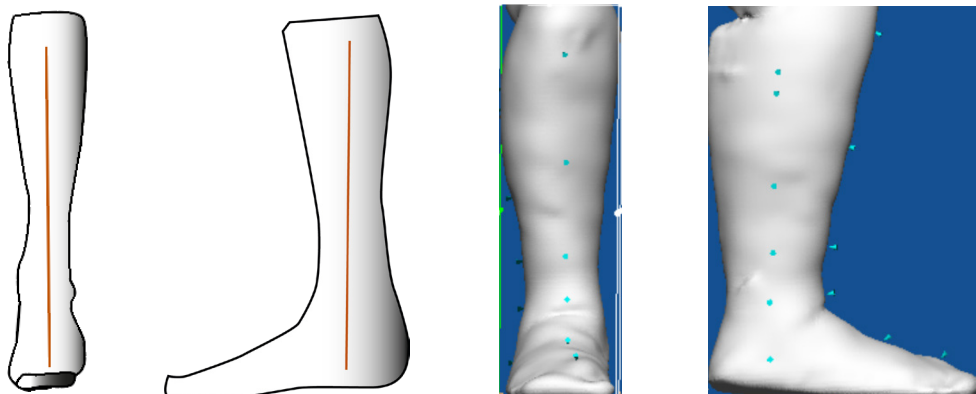


*Image 4, Right leg: Straight 0°, Left leg: Tibia varum 7°*

If the patient has a varus/valgus malposition, we recommend the patient wear custom made insoles. Scan with the insoles in position. (Section 2)

Draw the plumb lines on the anterior and lateral aspects of the cast, or by setting landmarks along the plumb lines in the scanning procedure. The plumb line should be marked all the way to the toes, to show the rotation of the foot relative to the lower leg. (Image 5).

If it is not possible to mark the plumb line in the scanning system used, this must be stated in the form with sagittal and coronal alignment degree (section 7).



*Image 5*

**We only accept casts/scans with plumb lines.**

(If you cannot mark your scan, fill in the alignment degrees in section 7)

## Scanning

Make sure the scan is covering the foot and lower leg, including the tuberosity of the tibia. The plantar surface of the foot is not necessary to cover, as long as the contour of the foot and heel is captured (Image 6 & 7). The scanning should be done with the required heel height (Section 6).

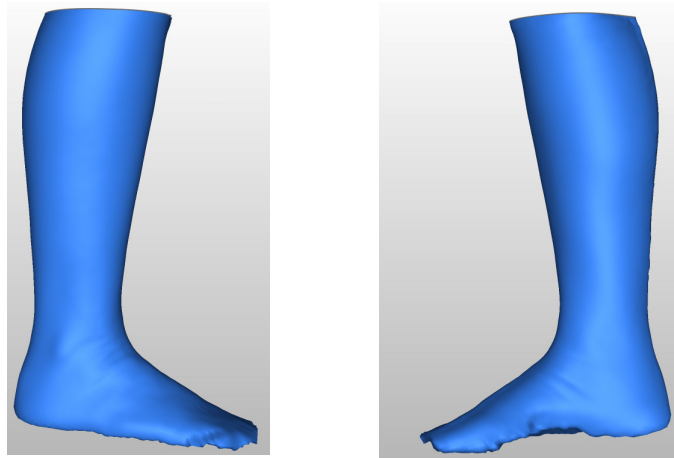


Image 6 & 7

The scanning **should only capture one leg** and be clear of surrounding objects and disturbances (Image 8 and 9).

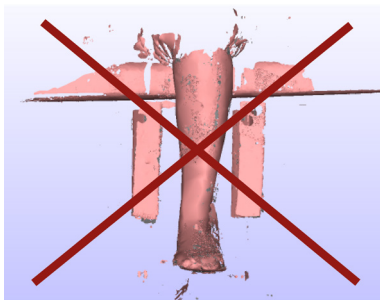


Image 8

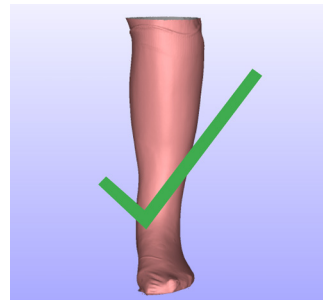


Image 9

There are several scanning systems on the market, with different handling and accuracy. Follow the recommendations from the manufacturer of your equipment for the best result. The scan should be prepared in millimeters (mm). The client must check that the scanner delivers a scan in the correct scale. The measurement form (page 7) should always be filled in to give us an idea that the scan is scaled correctly. If the patient has any areas that require relief, this should be marked on the scan and mentioned on the form.

### We accept the following file formats:

.obj .ply .stl .vsrf .cxpxp .cln .ssn Vorum Spectra scan.

## The Cast (Positive or Negative)

Make sure the cast is covering the whole foot and lower leg, including the tuberosity of the tibia.

The negative cast must be made with synthetic casting or STS-sock and MUST have a medial or posterior opening (so the shape of the tibial crest and the area for the strut is captured). The opening should be closed with staples as shown in Image 10 below, to avoid overlapping or enlarging of the cast. The casting should be done with the required heel height. (Section 6)

*You are looking from medial side.*

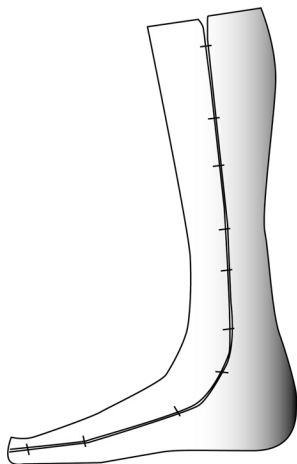


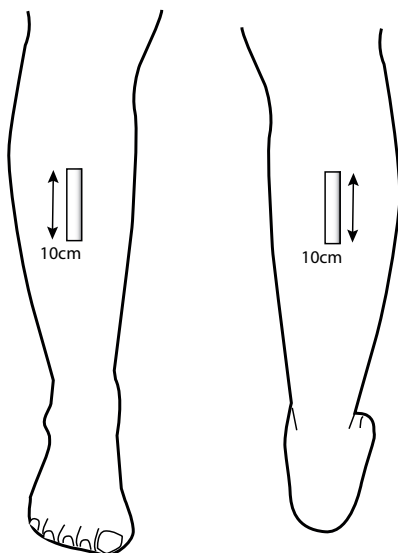
Image 10

The scanning for fabrication of the AFO will be done on the outside of the negative cast, therefore it is very important that the cast has a smooth surface.

If the patient has areas that need pressure relief, the boundaries and the apex(es) should be marked on the cast and specified on the form. (Section 7).

## Product Fabricated from Measurements

If the lower part (the footplate and strut) of the standard ToeOFF®/BlueROCKER® fits the patient, but the upper part (anterior shell) is too wide or too narrow we can produce a custom-made product from measurements. Together with the measurement form, a photo of the patient's leg must be included. Take the photo of the foot, lower leg and the knee. Please do not send photographs of the whole patient. The photo must reflect the alignment of the leg when standing/walking and be sharp and clear. Attach a 10cm long tape onto the calf or shin to be used in scaling the photo. (See image below)



## BASIC INFORMATION

1

Date: \_\_\_\_\_ Purchase order No: \_\_\_\_\_

Company: \_\_\_\_\_ Orthotist/Prescriber: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

2

This order is based on:

Scan       Cast       Standard ToeOFF® or BlueROCKER®  
**with changed properties**       Measurement  
(last page)

Scan/cast includes a corrective varus/valgus control insole;       Yes       No  
(Make sure you remove the orthotics before sending cast for fabrication).

State the reason why a custom product is ordered instead of a standard:

\_\_\_\_\_  
\_\_\_\_\_

3

Patient ID (As recorded on cast and file): \_\_\_\_\_

Diagnosis: \_\_\_\_\_

Patient is currently using:

ToeOFF® size: \_\_\_\_\_ BlueROCKER® size: \_\_\_\_\_ Custom S/N: \_\_\_\_\_

Other product: \_\_\_\_\_  None

Height: \_\_\_\_\_ (m)      Weight: \_\_\_\_\_ (kg)

Affected side:       Left       Right       Bilateral

Plantar/dorsiflexion: Can normal ROM in the ankle(s) be achieved with passive ankle motion?

Yes       No      ⇔ Describe contracture: \_\_\_\_\_

Partial foot amputation:       No       Yes, at level: \_\_\_\_\_

Spasticity :       No       Yes       Mild       Moderate       Severe\*

*\*Severe spasticity is a contraindication for ToeOFF® and BlueROCKER®*

Crouch gait:       No       Yes

Activity level:

Short distances indoor with assistance       Manage daily activities without problems  
 Short distances indoor and outdoor without assistance       Walk longer distances without problems  
 High activity, sports on a daily basis

4

Product & Accessories ordering

Custom ToeOFF®:       Left       Right       Bilateral

Custom BlueROCKER®:       Left       Right       Bilateral

Accessories:       SoftKIT™       ComfortKIT™       No accessory

## PRODUCT SPECIFIC INFORMATION

**5**

Depending on what foot plate length you decide, you must choose foot plate width from the same size interval.



Length

Size	Standard Length	Available Custom foot plate length	Custom Foot plate length (5mm interval)	Standard width forefoot	Available Custom foot plate width	Custom foot plate width (5mm interval)
XXS	195mm	190-200mm		70mm	65-75mm	
XS	210mm	205-215mm		75mm	70-80mm	
S	230mm	220-235mm		80mm	75-85mm	
M	245mm	240-255mm		85mm	80-90mm	
L	270mm	260-275mm		95mm	90-100mm	
XL	285mm	280-295mm		100mm	95-105mm	
XXL	305mm	300-310mm		105mm	100-110mm	



Width at MTP

**6**

Heel height:

- 5mm                       7mm (Equal to 2½ models)                       10mm  
 15mm (Equal to original ToeOFF®/BlueROCKER® + 2.0 models)     20mm                       25mm                       >25mm \_\_\_\_\_ mm  
(Additional cost)

**7**

Relief prominences: *Should always be marked on scan/cast*

Tibia crest:             Left \_\_\_\_\_ mm             Right \_\_\_\_\_ mm

Other relief regions:

Width x length of relief region :     Left leg \_\_\_ x \_\_\_ mm                       Right leg \_\_\_ x \_\_\_ mm

Height of relief region:                       Left leg \_\_\_\_\_ mm                       Right leg \_\_\_\_\_ mm

Off Load for base of 5th MTP:             Left leg \_\_\_\_\_ mm                       Right leg \_\_\_\_\_ mm

Off Load for high instep:                       Left leg \_\_\_\_\_ mm                       Right leg \_\_\_\_\_ mm

*(Only possible to choose on Scan or Cast)*

Standard alignment :                       Yes                       No If no, please state the requested alignment below

Coronal plane:

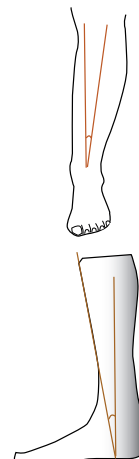
Left leg \_\_\_ degrees                       Varus                       Valgus

Right leg \_\_\_ degrees                       Varus                       Valgus

Sagittal Plane (the anterior shank to vertical):

Left leg \_\_\_ degrees inclined

Right leg \_\_\_ degrees inclined



**8** Specify if more or less stability is required in comparison to our ToeOFF® and BlueROCKER®. Note that added stiffness in one direction cannot be combined with reduced stiffness in the another direction (8:1).

**Note that you can only choose one option of either 8:1 or 8:2. Please note that there is an additional cost to each of these options.**

**8:1**

**A-P Stiffness:**

- Less stiff - **remove one** layer of fiber
- Less stiff - **remove two** layers of fiber
- More stiff - **add one** layer of fiber
- More stiff - **add two** layers of fiber

**M-L Stiffness:**

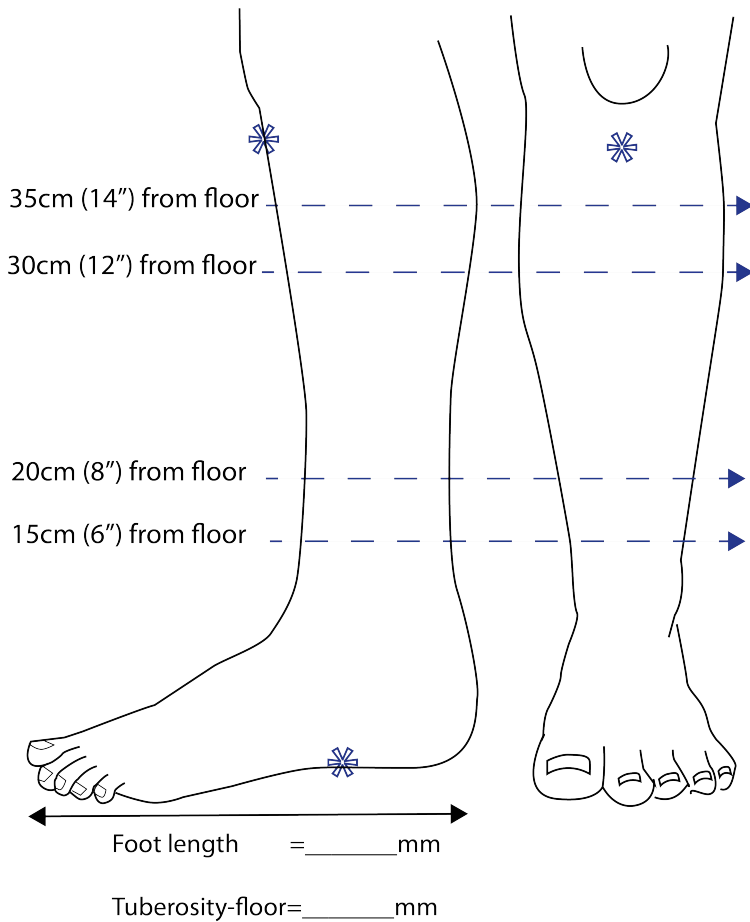
- Less stiff - **remove one** layer of fiber
- Less stiff - **remove two** layers of fiber
- More stiff - **add one** layer of fiber
- More stiff - **add two** layers of fiber

**8:2**

**Different stiffness for heel/toe part. Only one option:**

- Standard toe - **less stiff** heel - **remove one** layer of fiber
- Standard toe - **stiffer** heel - **add one** layer of fiber
- Standard heel - **less stiff** toe - **remove one** layer of fiber
- Standard heel - **stiffer** toe - **add one** layer of fiber

**Measurement**



\* Tuberosity of tibia & Base of 5th metatarsal should be marked on cast/scan

LEFT LEG	
M-L	CIRCUM-FERENCE
MM	MM

RIGHT LEG	
M-L	CIRCUM-FERENCE
MM	MM

