



RISE ABOVE



609 E MARKET STREET, SUITE 114, CHARLOTTESVILLE, VA 22902  
P: 888.492.1101 F: 434.270.7278 E: INFO@ICARUSMEDICAL.COM

[WWW.ICARUSMEDICAL.COM](http://WWW.ICARUSMEDICAL.COM)

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# HERCULES

DYNAMIC SWING ASSIST KAFO

L2036 CUSTOM-FABRICATED

PATENT NUMBER 17/902683



MADE IN  USA



# HERCULES

## ADJUSTABLE TENSIONING SYSTEM

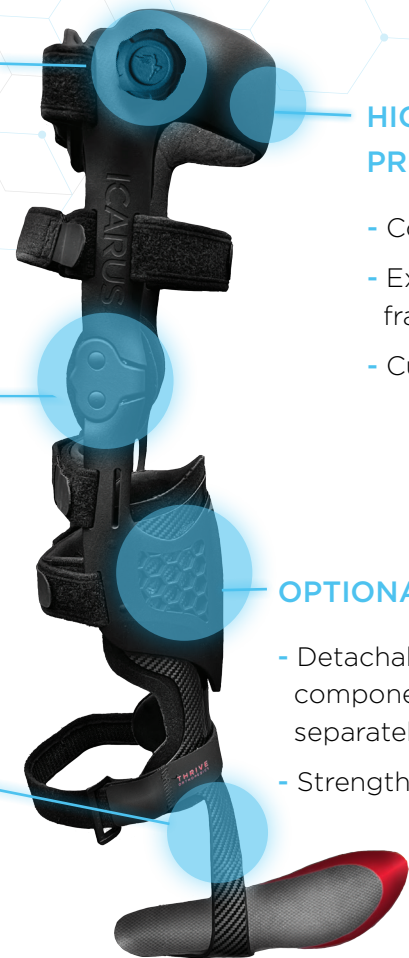
- Unloads up to 40 lbs from the joint
- Engages stance assist when needed
- High mechanical-advantage dial to easily adjust and release tension

## ADVANCED SWING ASSIST HINGE

- Provides adjustable swing assist and significant support in the sagittal plane
- Tension lock hinge, capable of near immobilization of the joint
- Extension stop compatible

## PREMIUM CARBON-FIBER AFO

- Dorsiflexion assist and plantarflexion control for foot-drop
- Anterior or posterior AFO and KO configurations available



## HIGH-POWERED, LIGHTWEIGHT 3D-PRINTED FRAME

- Common sizes weigh under 30oz
- Extensively tested, high-durability frame and KO-AFO interface
- Custom fit to the wearers leg

## OPTIONAL DETACHMENT CAPABILITY

- Detachable AFO allows KO and AFO components to be used together or separately
- Strength reinforced attachment mechanism

## STATE OF THE ART TENSIONING SYSTEM

Icarus' patented Hercules KAFO includes a unique tensioning system and "swing-assist" hinge, which is fully adjustable by the user. The system generates up to 60 lbs of force to stabilize and support the knee, providing stance control at maximum tension levels. When engaged, the hinge assists the quads during flexion, significantly reducing forces within the knee. Users of the KO component report 61% pain relief and 43% improvement in function. Varus and valgus correction can be incorporated into the frame during the digital customization process if required, and a number of other customization features enable the clinician a range of options to restore the patient's gait. Clinicians involved in our pilot study have cited improved gait and improved activity in their patient populations due to the Hercules KAFO.

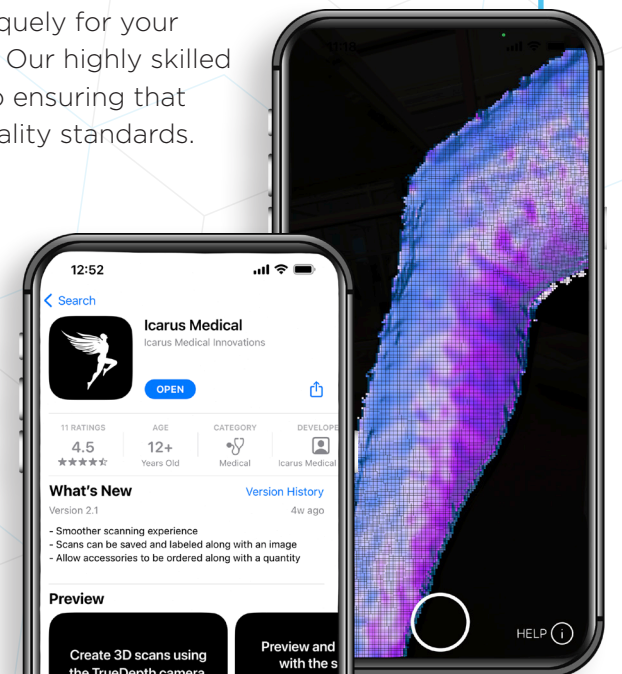
## EASY 3-STEP ORDERING

Each custom **HERCULES** is designed and manufactured uniquely for your patient, using Icarus' patented Scan to 3D Print Technology. Our highly skilled engineers, based in Charlottesville, Virginia, are dedicated to ensuring that each brace is designed and manufactured to the highest quality standards.

### TO ORDER YOUR HERCULES,

1. Scan the patient using the Icarus App\*
2. Complete the Custom Hercules order form
3. Send PO and order form to [order@icarusmedical.com](mailto:order@icarusmedical.com)

Your brace will arrive within 4 weeks!



## POSTERIOR + ANTERIOR MODELS AVAILABLE

The anterior Hercules model is the easiest to don and doff, making it our go-to-design for most patients. All the wearer needs to do is to step into their shoe and attach the straps.

Our posterior Hercules model is designed to prevent the tibia from moving forward as the patient is in gait. The AFO cups the calf to provide support to patients with fused ankle issues as well.

### WEIGHT

Posterior: 26 ounces    Anterior: 30 ounces



\*Compatible with Apple iPhone X or newer.