



GAIT ASSIST

# 3D Printed Stump Models

## G-Limb series

NEW EDUCATIONAL TRAINING TOOLS  
FOR PROSTHETISTS





# G-Limb series

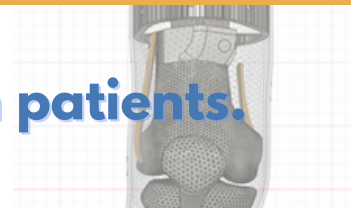
## OVERVIEW AND FEATURE

G-Limb was created by Shuichi Tominaga, a Japanese Certified Prosthetist and Orthotist as educational/training tools in prosthetic education. As an educator himself, he finds that often the very limited time of practical training with real amputee models in classes are given, which makes it challenging for students to absorb all the necessary information while improving their techniques at once.

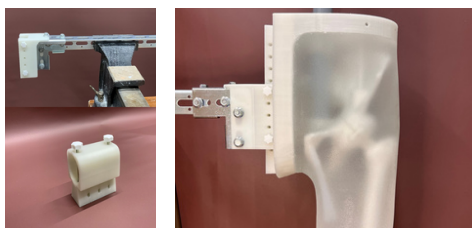
By using G-Limb, students/trainees can practice their palpation, measuring, casting and fitting techniques many times before meeting real amputee models/actual patients. This training tool will help maximizing your students' learning experiences.

**closely replicates the actual experiences with patients.**

- Real size 3D-printed skeleton structure
- All the muscles/ligaments that are commonly used for landmarks are built in the models and can be palpated just like the real stump.
- Realistic joint structure movement
- Covered with soft gel, replicating the realistic texture of human soft tissue.



### Universal adapter system



Same adapter can be used on different models to work with your regular vice.  
(Adapters:→Back cover)

### Customization



Colours, sizes and attachments can be customized upon requests.



# Testimonials



"The G-limb allows easy facilitation of additional practice and revision of practical casting techniques for students using realistic anatomical models. Whilst not a substitute for using patients in clinical teaching, practice using models helps to build initial confidence and helps students prepare before seeing patients."

"I think that the main benefit that the G-limb offers is the opportunity for students to practice casting techniques without the additional pressure of having to consider patient safety and comfort."

**The University of Strathclyde, UK**



"It was originally a temporary solution to the covid crisis, but now G-limbs became our regular classroom tools as we found many benefits. Students now practice casting dozens of time until they feel comfortable. I hope such wonderful educational tools will be widely used not only in schools but also in staff training for companies and hospital facilities."

**Kobe College of Medical Welfare, Japan**



# G-Limb

## TRANS-HUMERAL

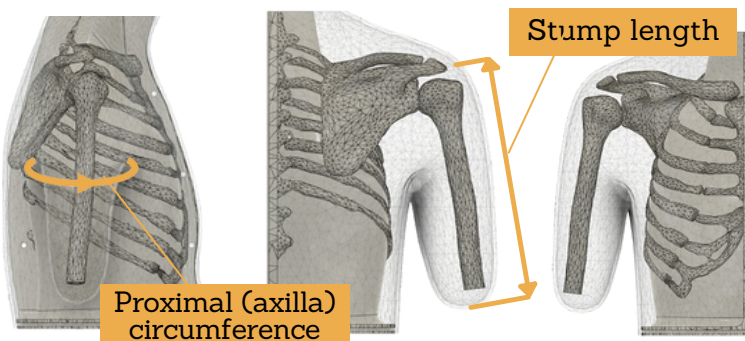
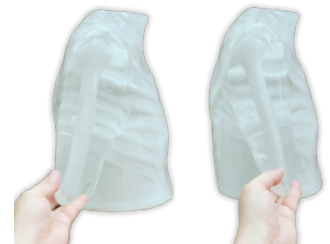


**Not enough experience with transhumeral casting and fitting? You can now practice as many times as you wish!**



### SHOULDER MOVEMENT

Replicating the shoulder joint structure (humerus, scapula, clavicle and thorax)



Proximal (axilla) circumference	Stump length	Right/Left	Order Code
260mm	255mm	Right	GL-TH-R
260mm	255mm	Left	GL-TH-L



Regular vice can be used with the Universal vice adapter.  
(Adapters:→Back cover)



# G-Limb

## TRANS-RADIAL



Adjustable joints enable to practice all the process from casting to fitting evaluation.



### ELBOW MOVEMENT AND LOCKING SYSTEM

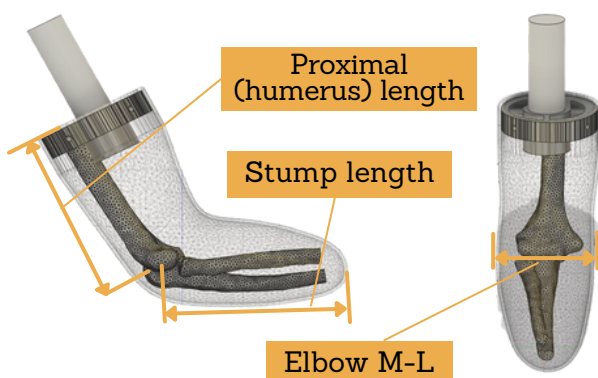
Elbow can be locked in four different angles, or unlocked.



Shoulder joint



Locking/  
Unlocking bar



Several adapters are available to meet your needs.

Adapter options  
→back cover

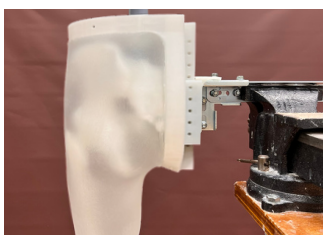
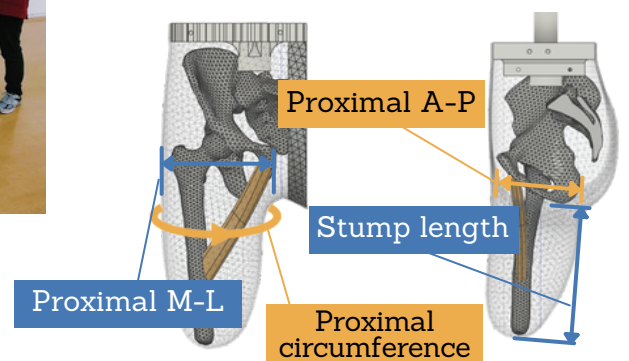
Proximal (humerus) length	Stump length	Elbow M-L	Right/Left	Order Code
145mm	150mm	90mm	Right	GL-TR-R
145mm	150mm	90mm	Left	GL-TR-L

# G-Limb

## TRANS-FEMORAL



**Practice TF casting at your own pace and deepen your understanding of anatomy and casting techniques.**



Regular vice can be used with the Universal vice adapter (optional).  
Adapter options → back cover

Proximal circumference	Proximal M-L	Proximal A-P	Stump length	Size	Right/Left	Order Code
400mm	140mm	85mm	200mm	Small	Right	GL-TF-RS
400mm	140mm	85mm	200mm	Small	Left	GL-TF-LS
560mm	175mm	95mm	240mm	Large	Right	GL-TF-RL
560mm	175mm	95mm	240mm	Large	Left	GL-TF-LL



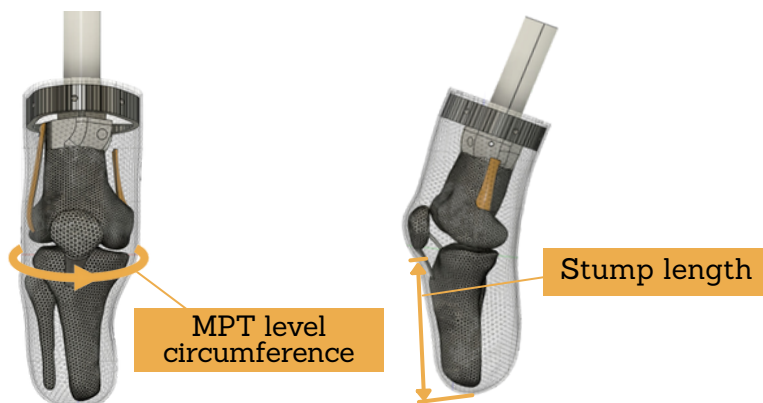
# G-Limb

## TRANS-TIBIAL



**Realistic knee movement and soft tissue with all the landmarks built in.**

**You will be set for meeting real patients!**

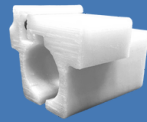


Several adapters are available to meet your needs (optional).  
Adapter options → next page

MPT level circumference	Stump length	Size	Right/Left	Order Code
300mm	130mm	Small	Right	<b>GL-TT-RS</b>
300mm	130mm	Small	Left	<b>GL-TT-LS</b>
330mm	150mm	Large	Right	<b>GL-TT-RL</b>
330mm	150mm	Large	Left	<b>GL-TT-LL</b>

# ADAPTERS/ATTACHEMENTS

**A1**  
G-Limb Universal vice adapter



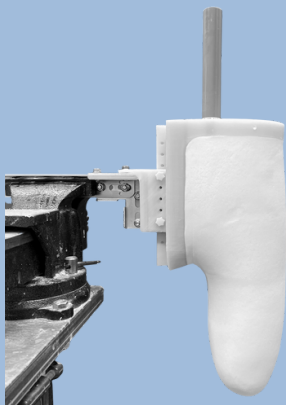
**A2**



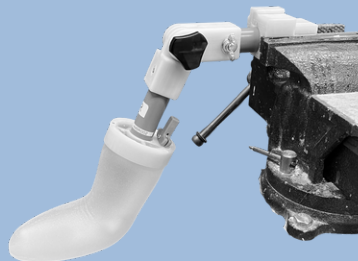
**A3**

Product name	Order Code
A1. G-Limb Universal vice adapter	GL-A1
A2. Vice Adapter for TR and TT models	GL-A2
A3. Adapter attachment for TR and TT models	GL-A3

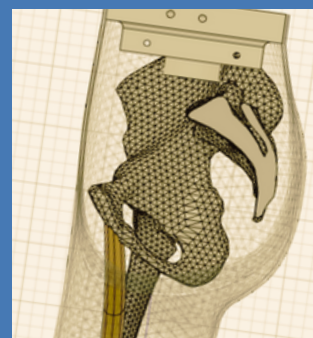
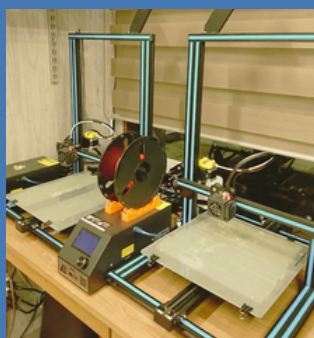
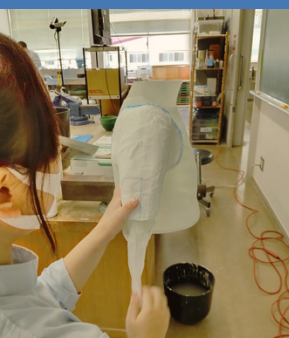
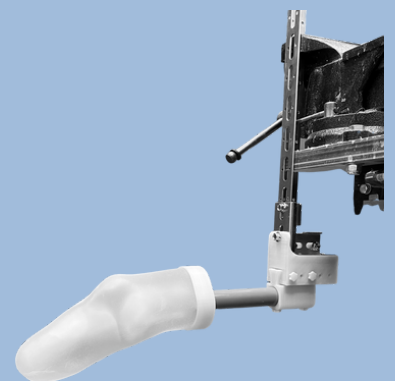
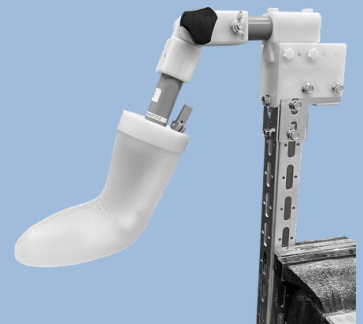
**A1**



**A2**



**A1  
+  
A3**





# G-Limb series

## Price List



### Stump models

Order Code	Product Name	Size	Price	Corresponding Adapters/ Attachement
GL-TH-R GL-TH-L	Trans-Humeral	-	JPY 299,000	A1
GL-TR-R GL-TR-L	Trans-Radial	-	JPY 162,000	A1 + A3
GL-TF-LS-Ure GL-TF-LS-Ure	Trans-Femoral Uretane (opaque)	Small	JPY 213,000	A1 A2
GL-TF-LS-Ure GL-TF-LS-Ure	Trans-Femoral Uretane (opaque)	Large	JPY 308,000	A1 A2
GL-TF-LS-Gel	Trans-Femoral Gel (Translucent)	Small	JPY 308,000	A1 A2
GL-TT-RS GL-TT-LS	Trans-Tibial	Small	JPY 176,000	A2 A1+A3
GL-TT-RL GL-TT-LL	Trans-Tibial	Large	JPY 195,000	A2 A1+A3

### Adapters/Attachments

Order Code	Product Name	Price
GL-A1	A1. G-Limb Universal vice adapter	JPY 29,000
GL-A2	A2. Vice Adapter for TR and TT models	JPY 17,000
GL-A3	A3. Adapter attachement for TR and TT models	JPY 17,000

※Please do not share this information with third parties.

※Prices may change without notice.

# G-Limb series

## Price List



2023/06

### Stump models

Order Code	Product Name	Size	Price	Corresponding Adapters/ Attachment
GL-TH-R GL-TH-L	Trans-Humeral	-	JPY 299,000	A1
GL-TR-R GL-TR-L	Trans-Radial	-	JPY 162,000	A1 + A3
GL-TF-RS GL-TF-LS	Trans-Femoral	Small	JPY 308,000	A1 A2
GL-TF-RL GL-TF-LL	Trans-Femoral	Large	JPY 379,000	A1 A2
GL-TT-RS GL-TT-LS	Trans-Tibial	Small	JPY 176,000	A2 A1+A3
GL-TT-RL GL-TT-LL	Trans-Tibial	Large	JPY 195,000	A2 A1+A3

### Adapters/Attachments

Order Code	Product Name	Price
GL-A1	A1. G-Limb Universal vice adapter	JPY 29,000
GL-A2	A2. Vice Adapter for TR and TT models	JPY 17,000
GL-A3	A3. Adapter attachment for TR and TT models	JPY 17,000

※Please do not share this information with third parties.

※Prices may change without notice.



# G-Limb

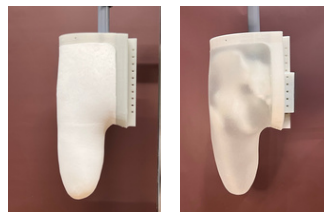
## TRANS-FEMORAL



**Practice TF casting at your own pace and deepen your understanding of anatomy and casting techniques.**

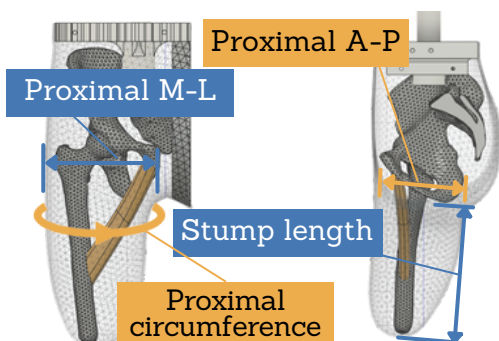


Regular vice can be used with the Universal vice adapter (optional).  
Adapter options → back cover



**You can choose two kinds of soft tissue materials for this model;**

- ① Uretane foam (opaque)
- ② Gel foam (Translucent) \*Small only



Proximal circumference	Proximal M-L	Proximal A-P	Stump length	Size	Right/Left	Material	Order Code
400mm	140mm	85mm	200mm	Small	Right	Urethane	GL-TF-RS-Ure
400mm	140mm	85mm	200mm	Small	Left	Urethane	GL-TF-LS-Ure
400mm	140mm	85mm	200mm	Small	Right	Gel	GL-TF-LS-Gel
400mm	140mm	85mm	200mm	Small	Left	Gel	GL-TF-LS-Gel
560mm	175mm	95mm	240mm	Large	Right	Urethane	GL-TF-RL-Ure
560mm	175mm	95mm	240mm	Large	Left	Urethane	GL-TF-LL-Ure

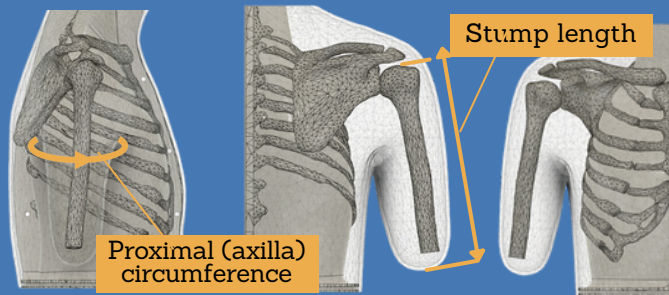
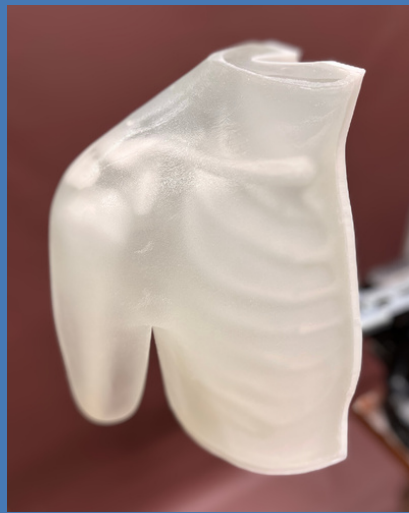


# 3D Printed Stump Models

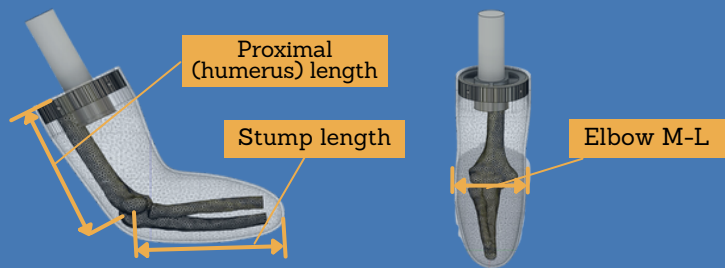
**G-Limb series**







Proximal (axilla) circumference	Stump length	Right/Left	Order Code
260mm	255mm	Right	<b>GL-TH-R</b>
260mm	255mm	Left	<b>GL-TH-L</b>



Proximal (humerus) length	Stump length	Elbow M-L	Right/Left	Order Code
145mm	150mm	90mm	Right	<b>GL-TR-R</b>
145mm	150mm	90mm	Left	<b>GL-TR-L</b>



Proximal circumference	Proximal M-L	Proximal A-P	Stump length	Size	Right/Left	Order Code
400mm	140mm	85mm	200mm	Small	Right	<b>GL-TF-RS</b>
400mm	140mm	85mm	200mm	Small	Left	<b>GL-TF-LS</b>
560mm	175mm	95mm	240mm	Large	Right	<b>GL-TF-RL</b>
560mm	175mm	95mm	240mm	Large	Left	<b>GL-TF-LL</b>



MPT level circumference	Stump length	Size	Right/Left	Order Code
300mm	130mm	Small	Right	<b>GL-TT-RS</b>
300mm	130mm	Small	Left	<b>GL-TT-LS</b>
330mm	150mm	Large	Right	<b>GL-TT-RL</b>
330mm	150mm	Large	Left	<b>GL-TT-LL</b>