

YOUR™ LINER.

PRODUCTS DESCRIPTION & ORDERING GUIDELINES



YOUR™ LINER.

CUSTOMISABLE STYLE

CHOOSE AMONGST OUR
OPTIONS OR MAKE YOUR
OWN STYLE



ADJUSTABLE PADDING

PROTECT SENSITIVE AREAS
WHILST KEEPING YOUR™
LINER LIGHT AND FLEXIBLE



EXPRESS DELIVERY

WE DELIVER WITHIN 5
DAYS. TAILOR MADE
FINALLY MEANS EFFICIENCY



ANATOMICALLY TAILORED

PEAR-SHAPED, INVAGINATED,
BONY, SCARRED & SENSITIVE
LIMBS ARE NOW EASILY FITTED



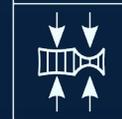
OPTIMISED REDUCTIONS

ENHANCED PERFORMANCE
THROUGH COMPRESSION
CONTROL ALGORITHMS



ADJUSTABLE HARDNESS

TO BETTER MATCH THE
NEEDS OF EACH
UNDERLYING TISSUE TYPES



AS OF 2021

THE FIRST TAILORED

SILICONE 3D PRINTED LINER

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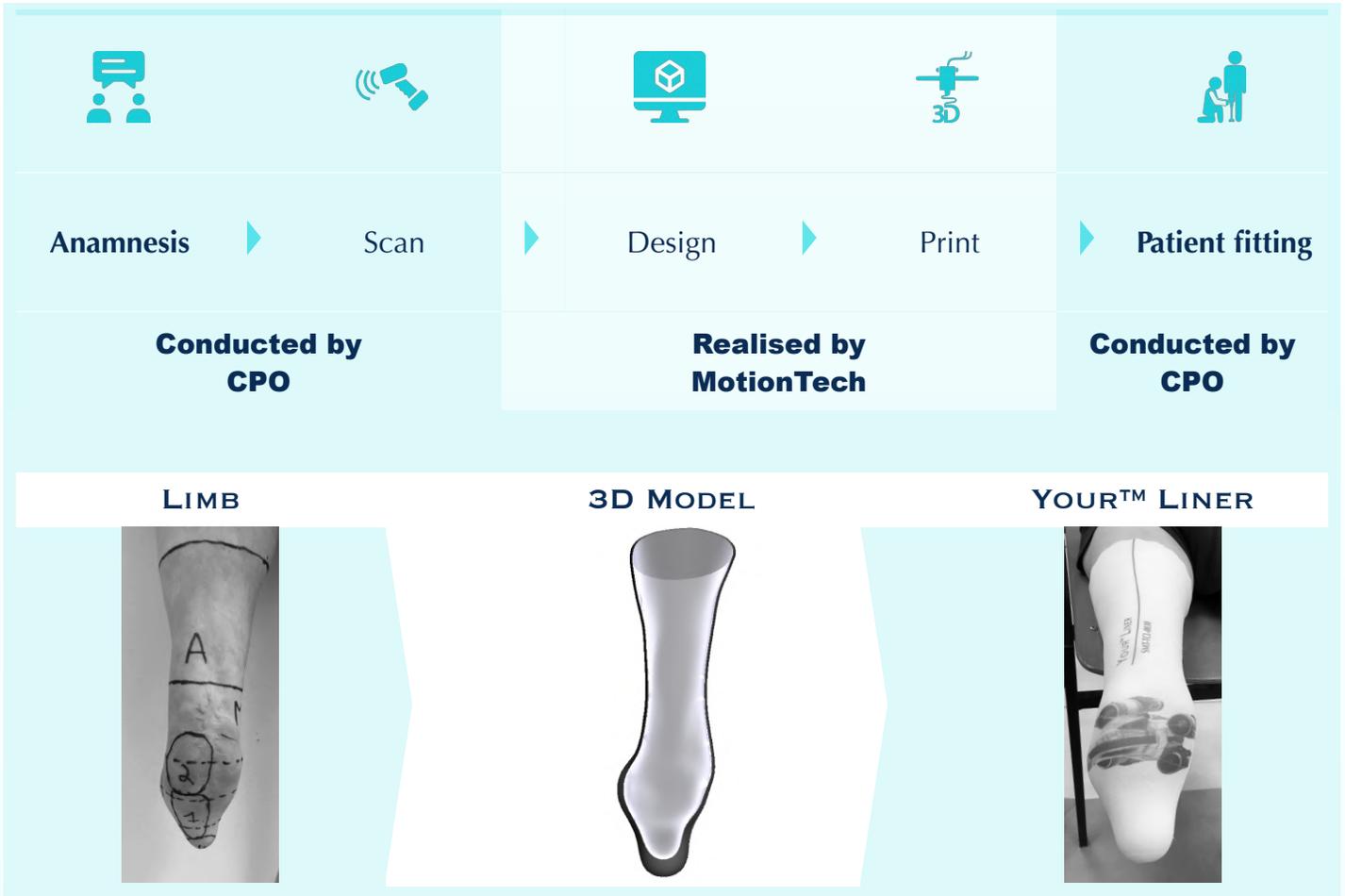
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YOUR™ LINER AT A GLANCE

WHAT IS THE YOUR™ LINER SERVICE AND HOW TO USE IT

YOUR™ LINER: TAILORED LINERS AS A SERVICE

With Your™ Liner, CPOs can order a tailored liner by a 3D scan of their patient's stump. The process is described below:



TWO OPTIONS TO ORDER YOUR™ LINER

1: iPad & Structure Sensor + Your™ Liner app



Download the "Your Liner" app in the iPad app store, and follow the in-app workflow to take the scan and order Your™ Liner.

2: any scanner + order form



You can also place orders by filling in the Your™ Liner order form, and take scans with any scanner you like.

COMPLEX STUMPS - A SIMPLE SOLUTION

YOUR™ LINER: A UNIQUE SERVICE FOR UNIQUE PATIENTS

EASILY FIT ATYPICAL STUMPS

The Your™ Liner Family has been developed to easily adapt to the specificities of atypical residual limb shapes. Amongst others, Your™ Liners are especially adapted for the following indications:



High activity / Sensitive loading zones

- ✓ Custom cushioning of sensitive loading areas



Bony limbs

- ✓ Custom cushioning of bony prominences
- ✓ Anatomically tailored → no air between liner and residual limb



Short limbs

- ✓ Thin walls at knee level → easier knee flexion



Long limbs

- ✓ Anatomically tailored → better fit / no air between liner and residual limb



Pear-shaped limbs

- ✓ Compensation of invaginations / large distal extremity → enable suction suspension without sleeve & soft socket



Substantial diameter variations

- ✓ Anatomically tailored → proximal end of the liner does not roll down by itself



Pointy / scarred distal ends

- ✓ Anatomically tailored → better fit / no air between liner and residual limb



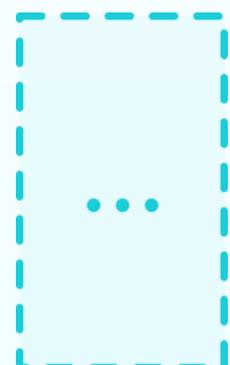
Congenital

- ✓ Tailored shape / custom cushioning → improved comfort



Scarred / invaginated limbs

- ✓ Anatomically tailored → better fit / no air between liner and residual limb



Other problematic indications...

AND ALSO THE MORE CLASSICAL ONES !

- ✓ Optimisation of liner weight: control of local thickness enables the use of thicker layers of silicone only where necessary
- ✓ Implication of the patient in the aesthetics of his liner => can improve acceptance of the prosthesis

**THE YOUR™ LINER
PRODUCT LINE**



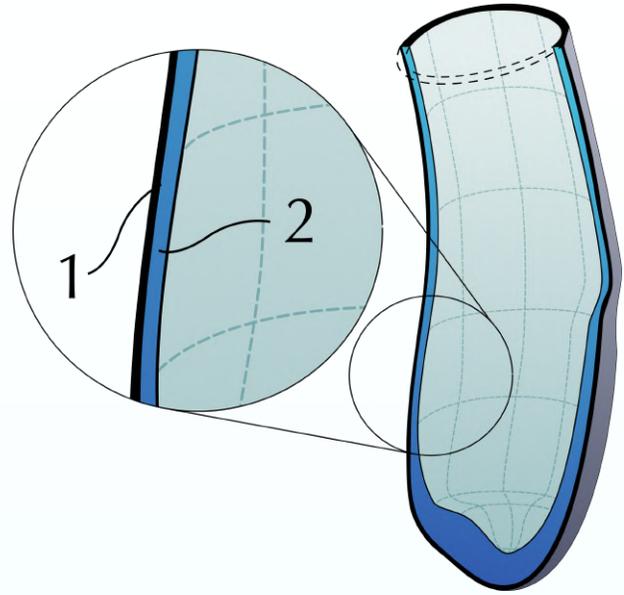
THE YOUR™ LINER PRODUCT LINE

CONSTRUCTION & FEATURES OF YOUR™ TIBIAL CUSHION LINERS

YOUR™ TIBIAL CUSHION

Your™ Tibial Cushion Liners are ideal for atypical patients for whom sleeve suspension is the preferred option.

Simple to use, comfortable, efficient.



1: Unistretch Fabric
2: 3D printed silicone



FEATURES



Amputation level

Ankle-X, Transtibial



Suspension

Sleeve



Fabric type

Unistretch

OPTIONS



Recommended silicone types

Relax, **Active**, Dynamic



Pre-flex

Scan your patient with the desired pre-flexion to reduce pressure on patella



Proximal seal

Add suction lines at the proximal extremity to enhance seal between liner and sleeve.

(Choose cushion suspension & ask for proximal lines in the "Other comments" field)

Your™ Tibial Cushion Liners are individually designed from a 3D scan. They thus fit the exact anatomical shape of your patients' limbs.

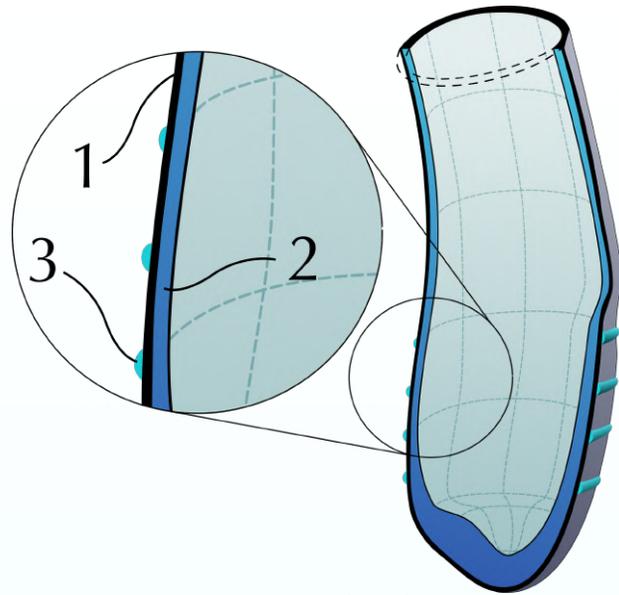
THE YOUR™ LINER PRODUCT LINE

CONSTRUCTION & FEATURES OF YOUR™ TIBIAL SUCTION LINERS

YOUR TIBIAL SUCTION

Your™ Tibial Suction Liners are ideal for atypical patients for whom vacuum suspension is the preferred option.

Lightweight, comfortable, performant.



- 1: Unistretch Fabric
- 2: 3D printed silicone
- 3: Suction line



Your™ Tibial Suction Liners are individually designed from a 3D scan. They thus fit the exact anatomical shape of your patients' limbs.



Amputation level

Ankle-X, Transtibial



Suspension

Suction



Fabric type

Unistretch

FEATURES



Recommended silicone types

Relax, **Active**, Dynamic



Pre-flex

Scan your patient with the desired pre-flexion to reduce pressure on patella



Suction lines location

Choose the number of suction lines and their height on the liner

OPTIONS

THE YOUR™ LINER PRODUCT LINE

CONSTRUCTION & FEATURES OF YOUR™ TIBIAL PIN-LOCK LINERS

YOUR™ TIBIAL PIN-LOCK

Your™ Tibial Pin-lock Liners are ideal for atypical patients for who need secure suspension.

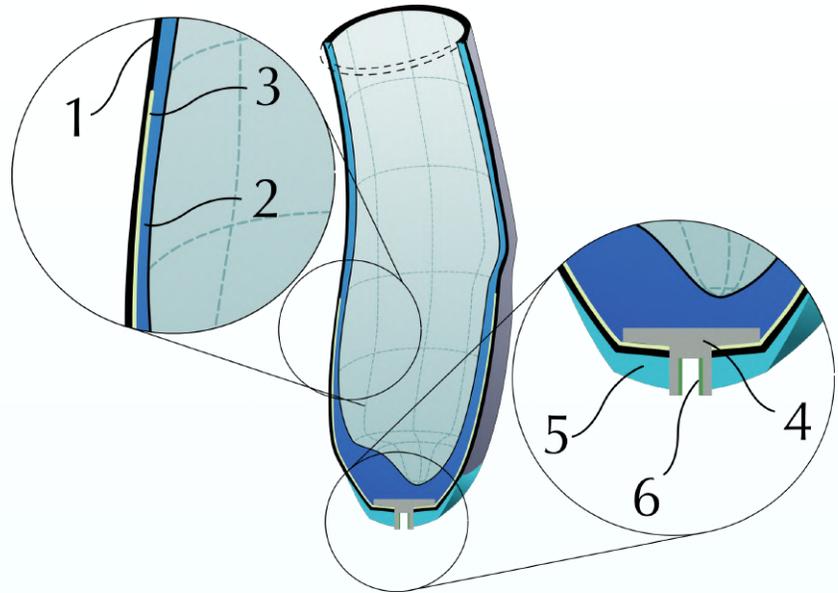
Easy to use, comfortable, reliable.

Your™ Tibial Suction Liners are reinforced with an anti-pistoning matrix to limit vertical stretch.

Each matrix is made-to-measure and goes from the distal end up to the tibial tuberosity.



Your™ Tibial Pin-lock Liners are individually designed from a 3D scan. They thus fit the exact anatomical shape of your patients' limbs.



- 1: Unistretch Fabric
- 2: 3D printed silicone
- 3: Anti-pistoning matrix
- 4: Umbrella
- 5: Silicone distal cover
- 6: M10 or M6 Thread

FEATURES

	Amputation level	Transtibial
	Suspension	Pin-lock
	Fabric type	Unistretch + Matrix

OPTIONS

	Recommended silicone types	Active, Dynamic
	Pre-flex	Scan your patient with the desired pre-flexion to reduce pressure on patella <small>*because of manufacturing limitations, Your™ Tibial Pin-Lock Liners can't have a pre-flexion higher than ~10°</small>
	Thread size	Choose between a M10 and a M6 thread

THE YOUR™ LINER PRODUCT LINE

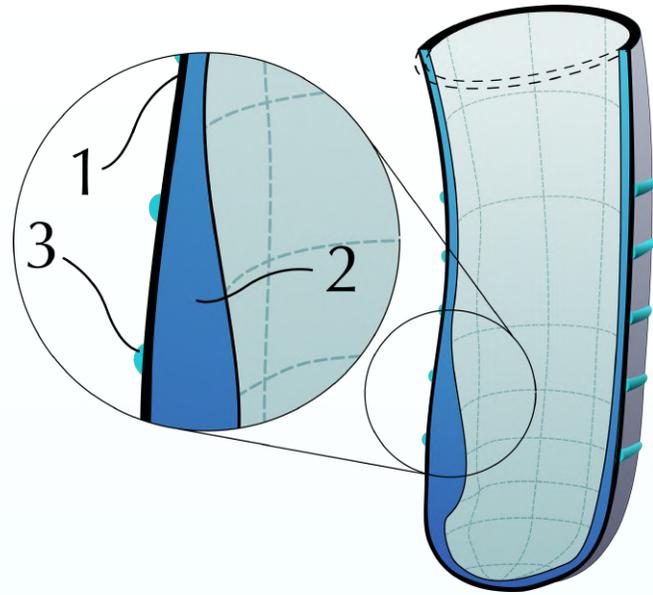
CONSTRUCTION & FEATURES OF YOUR™ FEMORAL SUCTION LINERS

YOUR FEMORAL SUCTION

Your™ Femoral Suction Liners are ideal for atypical patients for whom vacuum suspension is the preferred option.

Lightweight, comfortable, performant.

Your™ Femoral Suction Liners are an option of choice for Knee-X Patients: with the compensations, patients can benefit from vacuum suspension without need for any soft socket or other inlay.



1: Unistretch Fabric
2: 3D printed silicone
3: Suction line



Your™ Femoral Suction Liners are individually designed from a 3D scan. They thus fit the exact anatomical shape of your patients' limbs.



Amputation level

Transfemoral, Knee-X



Suspension

Suction



Fabric type

Unistretch



Recommended silicone types

Active, **Dynamic**



Compensations

Compensate pear-shaped limbs to enable socket entry without additional foams layers



Suction lines location

Choose the number of suction lines and their height on the liner

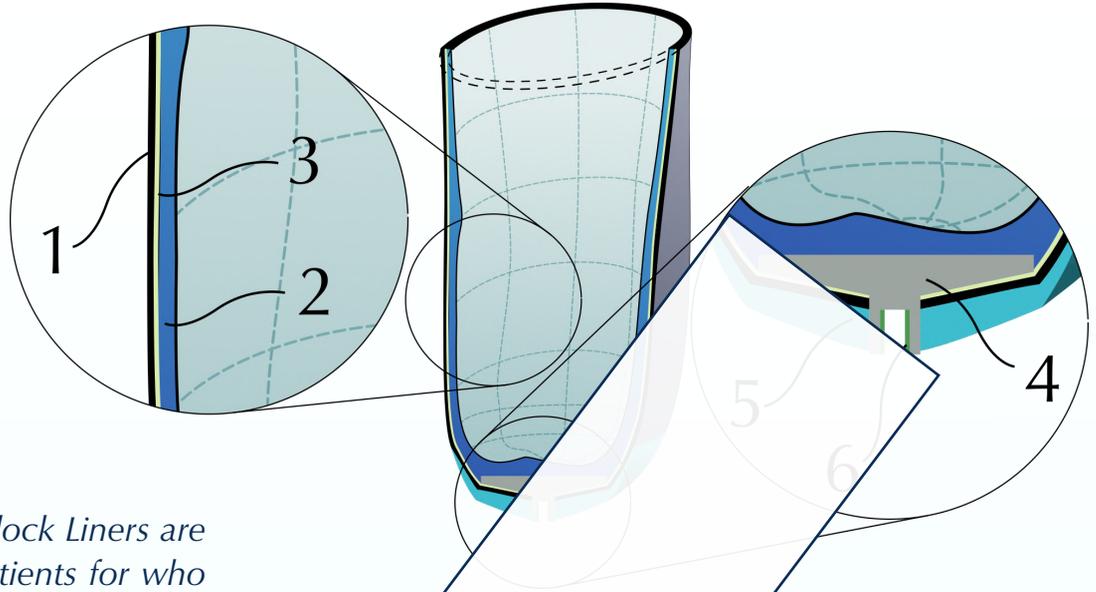
FEATURES

OPTIONS

THE YOUR™ LINER PRODUCT LINE

CONSTRUCTION & FEATURES OF YOUR™ FEMORAL PIN-LOCK LINERS

YOUR™ FEMORAL PIN-LOCK



Your™ Femoral Pin-lock Liners are ideal for atypical patients for who need secure suspension.

Easy to use, comfortable, reliable.

Your™ Femoral Pin-lock Liners are reinforced with an anti-pistoning matrix all along the liner to limit vertical stretch.

- 1: Unistretch Fabric
- 2: 3D printed silicone
- 3: Anti-pistoning matrix
- 4: Umbrella
- 5: Silicone distal cover
- 6: M10 or M6 Thread

Not yet available



FEATURES

Transfemoral

Pin-lock

Unistretch + Matrix

OPTIONS

Active, **Dynamic**

Compensate pear-shaped limbs to enable socket entry without need for additional foams layers

Choose between a M10 and a M6 thread



Recommended silicone types



Compensations



Thread size

Your™ Femoral Pin-lock Liners are individually designed from a 3D scan. They thus fit the exact anatomical shape of your patients' limbs.

HOW TO ORDER YOUR™ LINER



ORDERING STEPS

OVERVIEW OF THE STEPS OF THE ORDERING PROCESS



1. Measure the limb (see p.14)

We use measurements to verify the accuracy of the scan.
If needed, we correct dimensional scanning errors.
Measurements ensure proper functioning of our compression control algorithms.

(see p.15-25)

2. Control the thicknesses

Discover our default thickness profiles
Draw zones on your patient's limb to define the thickness you want on this specific zone.



3. Take pictures (see p.26)

Pictures help our designers see the limb of your patient and the drawn indications better.
A better understanding of the specificities of your patient helps us provide a better liner.

(see p.27)

4. Scan the limb

We ask you to take two scans to make sure at least one of the scan is of good quality.
This ensures you don't need to call your patient back because the scan is not good enough.
If you use your own scanner and check the scan yourself, you can send only one.



5. Describe your patient (see p.28)

Provide info (age, weight, activity level) so we can check that the overall order makes sense.
Give us a unique identifier for this patient.

(see p.29-30)

6. Choose the specificities of the liner

Choose the technical specifications of Your™ liner (suspension, Shore hardness, textile design).
Involving the patient in the aesthetic design of his prosthetic equipment has been shown to facilitate acceptance of the prosthesis. Offer your patient to customise his liner to help him better accept his prosthesis!



7. Send the order (see p.31)

Send us the scans, pictures and order info digitally.



1. MEASUREMENTS

HOW TO TAKE THE MEASUREMENTS & DRAW LANDMARKS ON THE LIMB



WHY ?

Patients can move during the scan. We ask you to take measurements to ensure that the dimensions of the scan are correct. We compare the measurements you take to the dimensions of the digital model. If there is some distortion, we correct the scan.

- The perimeters & vertical dimensions are automatically checked by MotionTech's dimension control algorithms.
- Our algorithms will measure each **perimeter** and its **distance to the distal end** on the digital model
- The physical measurements you took will be compared to the digital measurements, and corrections will be applied if there is some distortion on the digital model.
- Make sure to draw precisely the location where you took the measurement **all around the limb**, to ensure that the digital measurement is as precise as can be.



Anterior view



Medial view

Height measurements: taken following the anterior curve of the limb

HOW ?

- **Draw** a cross at the distal extremity and dashed line all around the limb
- **Measure** 3 lengths for each drawn line:
 - 1) Distance from distal end following the anterior curve of the limb (not the vertical projection)
 - 2) Tight perimeter while slightly tightening the tape
 - 3) Loose perimeter with almost no tension.
- **Report** these 3 measurements in the Your™ Liner iOS application, or the Your™ Liner order form.
- **Repeat** this operation as much as you can along the limb. More measurements ensure a better precision for Your™ Liner.
- **Draw** a continuous line where you want the liner to end (trim line) - we always add a 10cm security length from there.



	Length	Tight Perimeter	Loose Perimeter
1 Measurement	7cm	25.0cm	26.1cm
2 Circumference	13cm	22.2cm	26.2cm
3 Perimeter	18cm	25.0cm	26.0cm
4 Final Size			
5 Security Length			
6 Patient's Circumference			
7 Limb Circumference			

Example: at 3 cm from distal end, you measure 25 cm as tight perimeter, and 26.4 cm as loose perimeter.

INDICATE THE ANATOMICAL DIRECTIONS AS WELL

- **Write** 4 letter on the limb indicating the Anatomical Directions: A for Anterior, L for Lateral, P for Posterior and M for Medial.

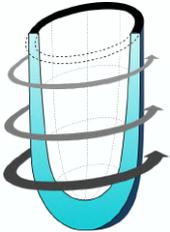


2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



DEFAULT THICKNESS PROFILES



- ➔ For each amputation height, we provide a default thickness profile (see p18 to p25).
- ➔ The default thickness profile is always **thicker at the distal end** and **thinner at the proximal end**.
- ➔ With the default thickness profile, at a given height, the thickness is uniform around the limb.



ADD CUSHIONING PADS BY DRAWING ZONES

You can modify the default profile to add cushioning pads by drawing zones on the residual limb:

- ➔ Draw a zone on the area where you want to add a cushioning pad (or reduce the thickness).
- ➔ The thickness you choose for this zone will override the default thickness profile for this location.



DRAWING ZONES IS OPTIONAL!

THE DEFAULT THICKNESS PROFILE IS APPLIED EVERYWHERE YOU DO NOT DRAW A ZONE

- ➔ If you want us to apply the default thickness profile, you don't need to draw any zone on the stump.
- ➔ Only dive in the thickness recommendation tables of the following pages if you want to fine tune the liner to solve a specific problem (e.g. protect a sensitive area).



Zone ID	Type	Thickness	Comments
1	Bone	3.00"	PROTEC
2	Bone	7.00"	
3	Bone	7.00"	
4	Muscle		
5	Soft tissue		
6	Soft tissue		
7	Soft tissue		
8	Soft tissue		
9	Soft tissue		
10	Soft tissue		

Example: circle the fibular head, and write 3 inside it. For ZONE ID N°3, specify in the app: **type**: bone, **thickness**: 7mm, **comment**: light fibular head protection.

HOW ?

- **Draw** the borders of a zone on the limb and write a readable & unique number ("ZONE ID N°") inside the zone.
- **Indicate** for each zone the following information under the corresponding ZONE ID N° in the Your™ Liner iOS application, or the Your™ Liner order form:
 - 1) the tissue type (e.g. bone, muscle, fat, etc.)
 - 2) desired silicone thickness,
 - 3) comments / clarifications

- ➔ To modify the proximal thickness, indicate a zone number without circling it
- ➔ Any number can be applied to any area of the stump



2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



USE ZONES TO HELP US UNDERSTAND THE LIMB

- ➔ Even if you don't want to change the default thickness profile, show us the location of the most important points on the limb (e.g. fibular head, condyles, tibial crest, patella, invaginations, scars, etc.).
- ➔ Use comments for each zone you draw, to help us better understand the specificities of your patient.

GENERAL RULES



Min. thickness: 2.5 mm

Max. thickness: 30 mm

Max. liner length: 60 cm

Max. liner perimeter: 85 cm

HOW TO READ THICKNESS RECOMMENDATION TABLES



Examples of factors justifying lower thickness for a zone:

- Low patient weight
- Low patient activity
- Zone not very sensitive
- No weight bearing on this zone
- Shape of zone is smooth / flat

Thickness recommended for most patients for this zone

Examples of factors justifying higher thickness for a zone:

- High patient weight
- High patient activity
- Zone highly sensitive
- Important weight bearing on this zone
- Shape of zone is pointy / prominent

YOUR™ SHORE HARDNESSES

Each Your™ Liner can be made in one of the three following silicones, to better match the needs of each patient.



Hardness & thickness matching

A liner with harder Shore should be of lower thickness. This is why each Shore has its own Default thickness profile.

Recommended for



	Recommended for	+	-
RELAX (Sh~ 0030 / A0)	Sensitive skin Low activity patients (K1, K2)	Very comfortable Easy donning & doffing	Lower durability More pistoning
ACTIVE (Sh~ 0050 / A5)	Suitable for most patients Mid-range activity patients (K2, K3, K4)	Most versatile solution Ideal compromise	-
DYNAMIC (Sh~ A10)	Abundant soft tissue High activity patients (K3, K4)	High durability Soft tissue stabilisation	Harder donning & doffing Stiffer cushioning

Currently our liners are made from a single type of silicone that you may chose. Although the feature will come out soon, it is not yet possible to combine different shores within the same liner.



2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



HOW TO DEAL WITH BULBY DISTAL ENDS / INVAGINATIONS



Compensations for pear-shaped residual limbs, invaginations or scars can be applied to obtain a cylindrical/conical [residual limb + liner] shape.

3 OPTIONS FOR INVAGINATIONS / CONCAVE ZONES



FILL

Fill the gap and keep the outer surface of the liner flat. Used to obtain cylindrical / conical shape to enable easy socket entry.



BRIDGE OVER

Ignore the concave zone / invagination, and keep the liner flat over this area. Used by default for small invaginations / scars.



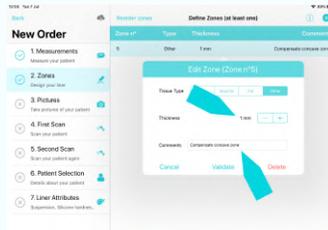
FOLLOW

Follow the curve of the limb with uniform thickness. Used by default for large concave areas.

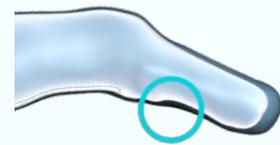
COMPENSATIONS: HOW TO



Draw a **zone** around the area where you want a compensation to be applied



In the corresponding ZONE ID n°, **write in the comments the type of compensation you want** (fill, bridge over, follow) for this zone.



Our designers will apply the requested compensation. For a "Filled" zone, the obtained shape is cylindrical / conical

COMPENSATIONS -VS- USABILITY

For very prominent pear shapes, it is not always feasible to compensate the pear shape. Indeed, the resulting liner may become:

- Too heavy
- Impossible to don & doff

We have developed algorithms to calculate a "usability score" for the liner, based on the shape of the limb and required compensations. This is not sufficient to ensure that a liner will be usable by a patient, as the ease of donning & doffing also depends on the abilities of the patient. However, this can help us determine if it is worth it to try a compensation liner for this patient.

In case of doubt, to check if a compensation liner is suitable for a patient, send us a scan of the limb and we will let you know if it is worth trying !

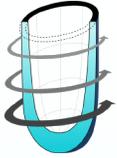


Distal end is too large => resulting compensation liner impossible to don & doff.



2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



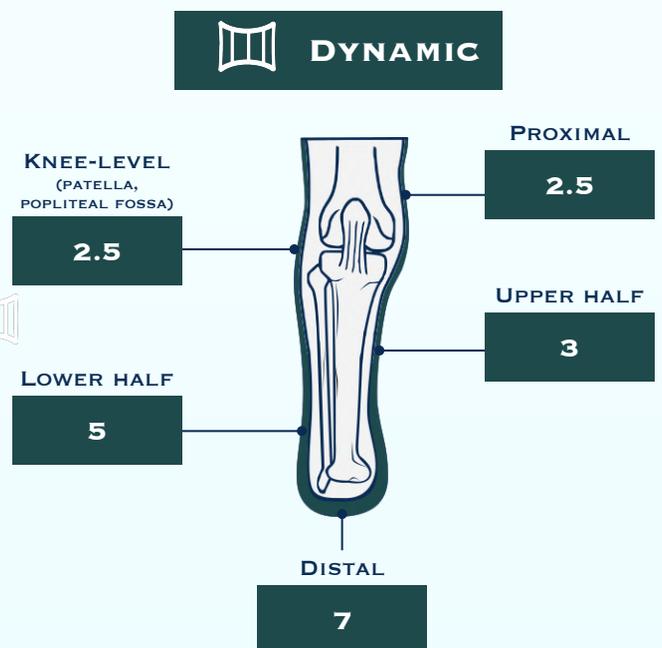
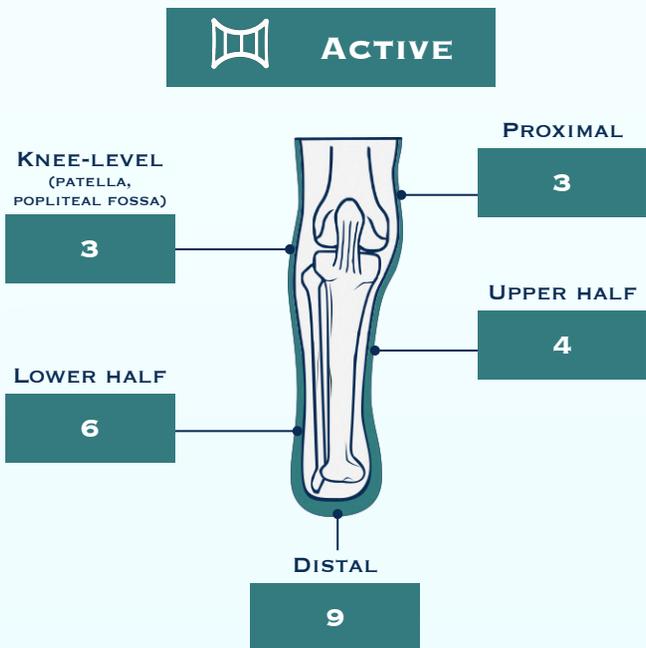
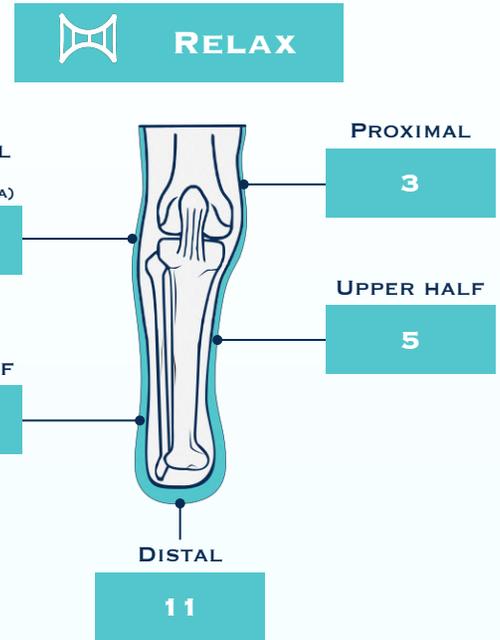
ANKLE-X

DEFAULT THICKNESS PROFILES

By default, depending on the Shore hardness you choose, we apply the following thickness profiles.

The thicknesses are uniform around the stump, they only vary along the vertical axis (thicker in distal than in proximal).

If you do not draw any zone on the stump, we will apply the thicknesses listed here.





2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



YOUR PATIENT HAS SENSITIVE SPOTS ?

OPTIONALLY, DRAW ZONES TO ADD CUSHIONING PADS



	MIN	AVERAGE	MAX
--	-----	---------	-----

RELAX		[mm]	[mm]	[mm]
ACTIVE		[mm]	[mm]	[mm]
DYNAMIC		[mm]	[mm]	[mm]

FIBULAR HEAD / GERDY / LATERAL CONDYLE

SHORE	MIN	AVERAGE	MAX
	6	7	9
	5	6	8
	4	5	7



MEDIAL CONDYLE

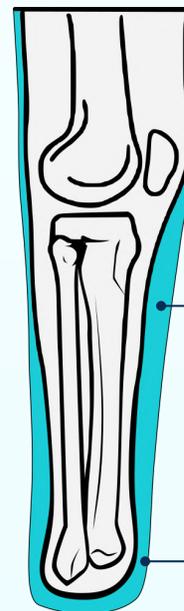
SHORE	MIN	AVERAGE	MAX
	5	6	9
	4	5	7
	4	4	6

FIBULAR EXTREMITY

SHORE	MIN	AVERAGE	MAX
	5	7	9
	4	6	8
	4	5	7

DISTAL CUP

SHORE	MIN	AVERAGE	MAX
	8	11	20
	6	9	17
	5	7	15



TIBIAL CREST

SHORE	MIN	AVERAGE	MAX
	7	10	13
	6	8	10
	5	6	8

TIBIAL EXTREMITY

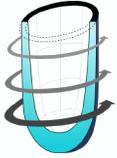
SHORE	MIN	AVERAGE	MAX
	5	7	9
	4	6	8
	4	5	7

If you want to modify the default thicknesses to better encompass the specificities of the stump, draw a zone around a specific area, and use the above tables to ask us to apply the adequate thickness on this area.



2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER

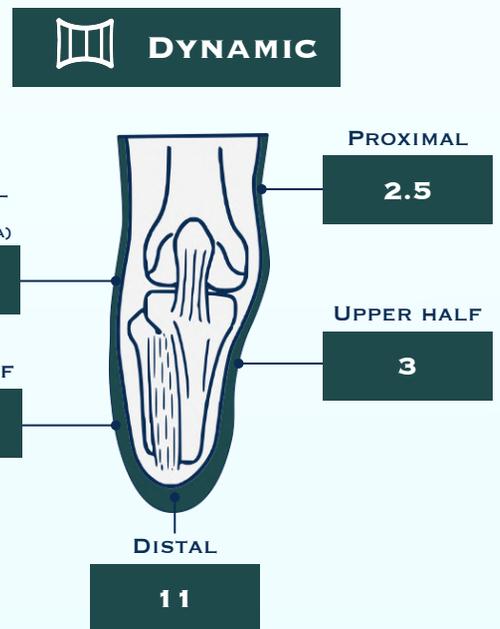
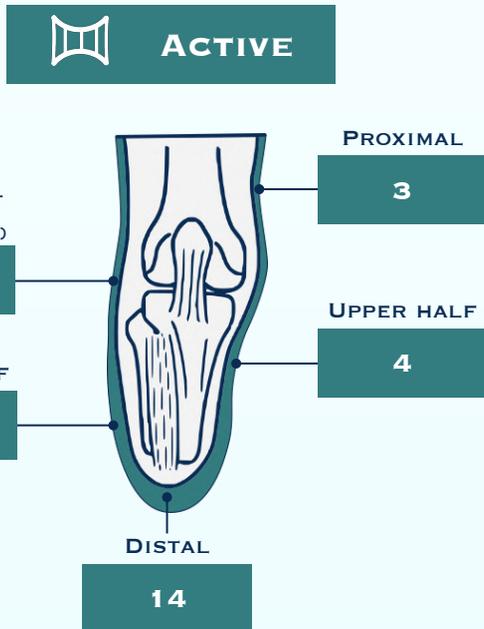
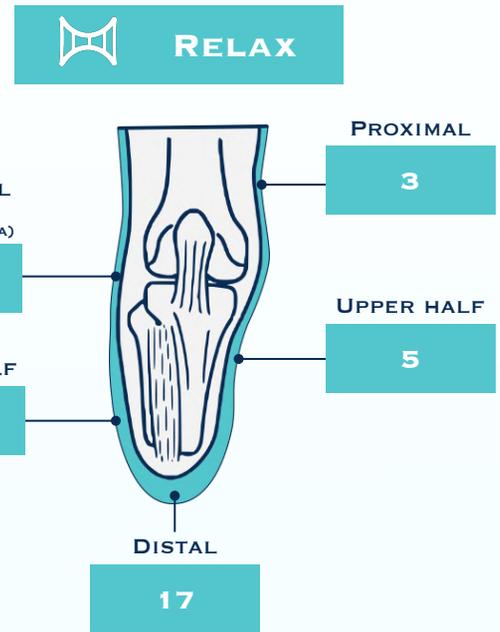


TRANSTIBIAL DEFAULT THICKNESS PROFILES

By default, depending on the Shore hardness you choose, we apply the following thickness profiles.

The thicknesses are uniform around the stump, they only vary along the vertical axis (thicker in distal than in proximal).

If you do not draw any zone on the stump, we will apply the thicknesses listed here.





2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



YOUR PATIENT HAS SENSITIVE SPOTS ?

OPTIONALLY, DRAW ZONES TO ADD CUSHIONING PADS

FIBULAR HEAD / GERDY / LATERAL CONDYLE			
SHORE	MIN	AVERAGE	MAX
	6	7	9
	5	6	8
	4	5	7

FIBULAR EXTREMITY			
SHORE	MIN	AVERAGE	MAX
	7	8	11
	6	7	9
	5	6	8

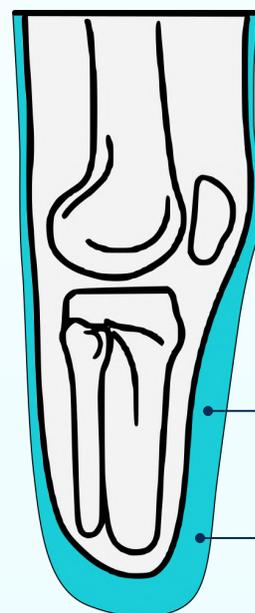
DISTAL CUP			
SHORE	MIN	AVERAGE	MAX
	12	17	25
	10	14	20
	8	11	18

MEDIAL CONDYLE			
SHORE	MIN	AVERAGE	MAX
	5	6	9
	4	5	7
	4	4	6

MIN	AVERAGE	MAX
-----	---------	-----

RELAX		[mm]	[mm]	[mm]
ACTIVE		[mm]	[mm]	[mm]
DYNAMIC		[mm]	[mm]	[mm]

If you want to modify the default thicknesses to better encompass the specificities of the stump, draw a zone around a specific area, and use the above tables to ask us to apply the adequate thickness on this area.



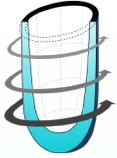
TIBIAL CREST			
SHORE	MIN	AVERAGE	MAX
	7	10	13
	6	8	10
	5	6	8

TIBIAL EXTREMITY			
SHORE	MIN	AVERAGE	MAX
	9	11	20
	7	9	18
	6	7	14



2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



KNEE-X

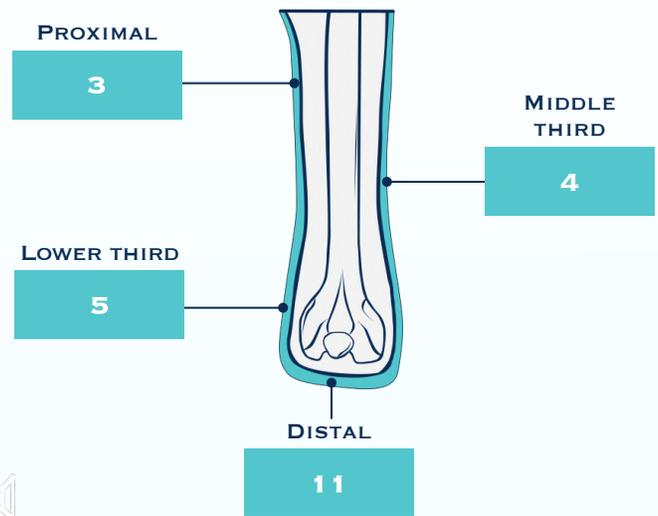
DEFAULT THICKNESS PROFILES

By default, depending on the Shore hardness you choose, we apply the following thickness profiles.

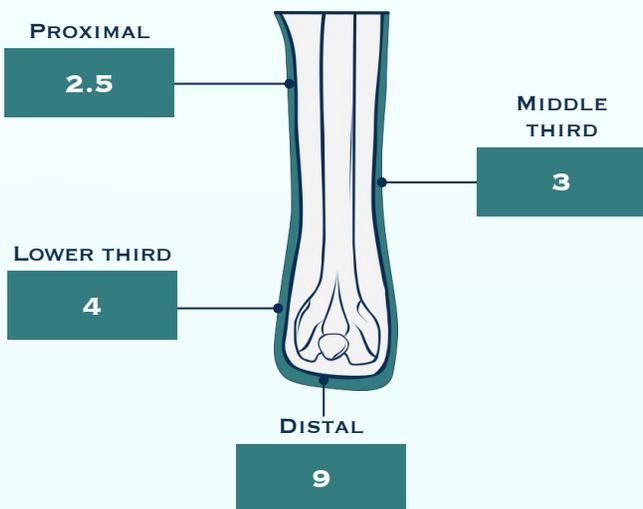
The thicknesses are uniform around the stump, they only vary along the vertical axis (thicker in distal than in proximal).

If you do not draw any zone on the stump, we will apply the thicknesses listed here.

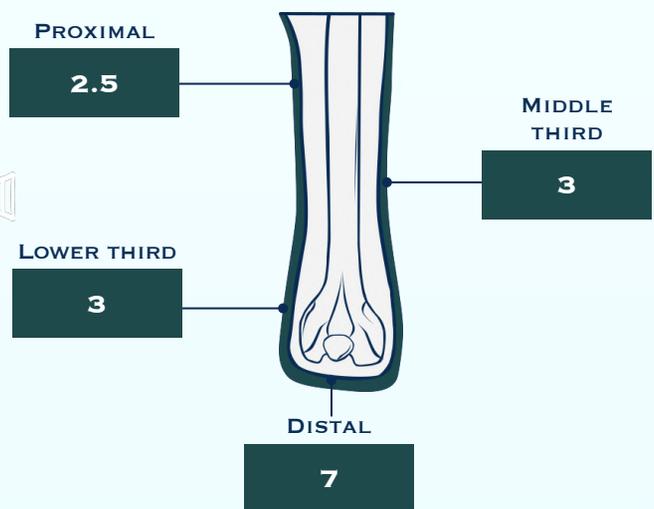
RELAX



ACTIVE



DYNAMIC





2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



YOUR PATIENT HAS SENSITIVE SPOTS ?

OPTIONALLY, DRAW ZONES TO ADD CUSHIONING PADS

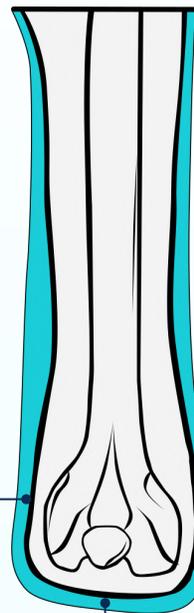


	MIN	AVERAGE	MAX
--	-----	---------	-----

RELAX		[mm]	[mm]	[mm]
ACTIVE		[mm]	[mm]	[mm]
DYNAMIC		[mm]	[mm]	[mm]

Adding more thickness to protect the condyles accentuates the "pear-shape" of Knee-X stumps. With stumps requiring important compensations, more thickness to protect the condyles can make the liner impossible to don & doff.

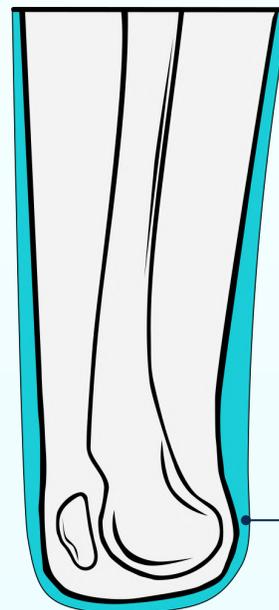
In case of doubt, get in touch with your local MotionTech rep for advice.



MEDIAL CONDYLE			
SHORE	MIN	AVERAGE	MAX
	5	5	9
	3	4	7
	3	3	5

LATERAL CONDYLE			
SHORE	MIN	AVERAGE	MAX
	5	5	9
	3	4	7
	3	3	5

DISTAL CUP			
SHORE	MIN	AVERAGE	MAX
	8	11	20
	6	9	17
	5	7	15



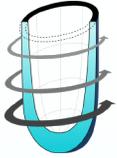
POSTERIOR CONDYLES			
SHORE	MIN	AVERAGE	MAX
	5	6	10
	4	5	8
	3	4	6

If you want to modify the default thicknesses to better encompass the specificities of the stump, draw a zone around a specific area, and use the above tables to ask us to apply the adequate thickness on this area.



2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER

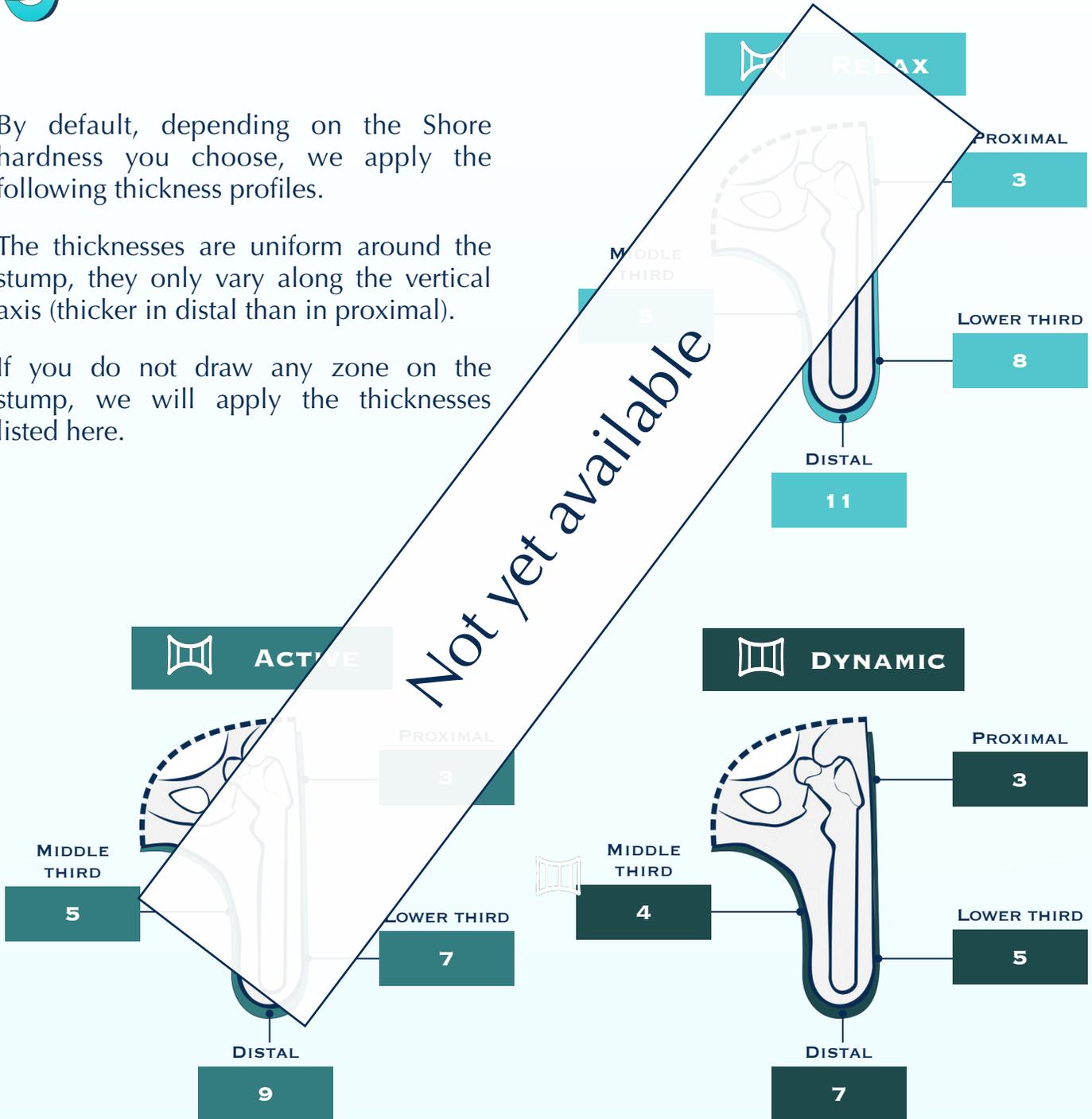


TRANSFEMORAL DEFAULT THICKNESS PROFILES

By default, depending on the Shore hardness you choose, we apply the following thickness profiles.

The thicknesses are uniform around the stump, they only vary along the vertical axis (thicker in distal than in proximal).

If you do not draw any zone on the stump, we will apply the thicknesses listed here.





2. ZONES

CONTROL THE LOCAL THICKNESSES OF YOUR™ LINER



YOUR PATIENT HAS SENSITIVE SPOTS ?

OPTIONALLY, DRAW ZONES TO ADD CUSHIONING PADS

MIDDLE THIRD

SHORE	MIN	AVERAGE	MAX
	3	5	8
	3	5	7
	3	4	5

RELAX

SHORE	MIN	AVERAGE	MAX
	[mm]	[mm]	[mm]
	[mm]	[mm]	[mm]
	[mm]	[mm]	[mm]

ACTIVE

SHORE	MIN	AVERAGE	MAX
	[mm]	[mm]	[mm]
	[mm]	[mm]	[mm]
	[mm]	[mm]	[mm]

DYNAMIC

SHORE	MIN	AVERAGE	MAX
	[mm]	[mm]	[mm]
	[mm]	[mm]	[mm]
	[mm]	[mm]	[mm]

PROXIMAL

SHORE	MIN	AVERAGE	MAX
	3	3	3
	3	3	3
	3	3	3

DISTAL CUP

SHORE	MIN	AVERAGE	MAX
	5	15	20
	6	10	17
	5	7	15

LOWER THIRD

SHORE	MIN	AVERAGE	MAX
	5	8	10
	4	7	9
	4	5	7

Not yet available

If you want to modify the default thicknesses to better encompass the specificities of the stump, draw a zone around a specific area, and use the above tables to ask us to apply the adequate thickness on this area.



3. PICTURES

CHECKLIST BEFORE TAKING THE 4 PICTURES FROM EACH ANATOMIC DIRECTION



We ask you to take pictures from the 4 anatomic directions (Anterior, Medial, Posterior, Lateral). Before taking the pictures, check that all the required indications are correctly drawn onto the limb:

ANATOMIC DIRECTIONS

A for Anterior, M for Medial, P for Posterior, L for Lateral.

TRIM LINE

The last measurement line is continuous, to indicate where the liner should end.

By default, we add 10cm in length so that you can cut the liner to the desired length.

MEASUREMENTS

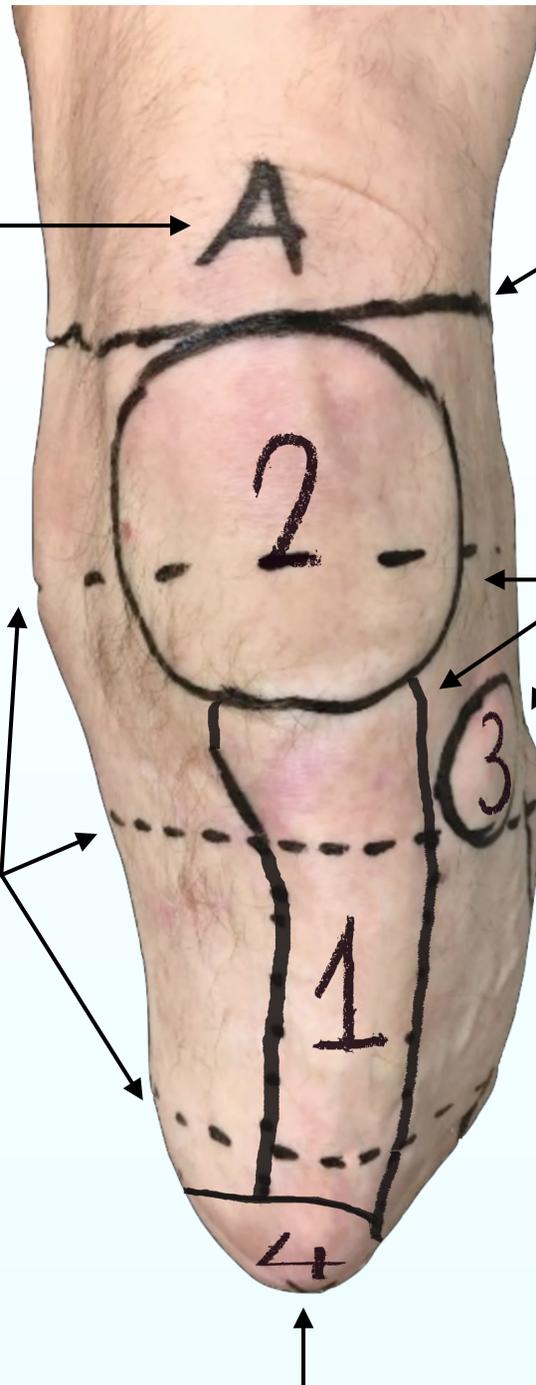
Measurements done all along the limb, to report in App or Order form, for each measurement line:

1. Distance from distal extremity, measured while following anterior curve
2. Tight perimeter
3. Loose perimeter

ZONES

Zones to indicate location of desired cushioning pads and/or explain the specificities of the stump, to report in App or Order form for each ZONE ID N°:

1. Tissue type
2. Silicone thickness
3. Comment



DISTAL EXTREMITY

Draw a cross indicating the location of the distal extremity (corresponding to the center of the umbrella for Pin-lock liners)



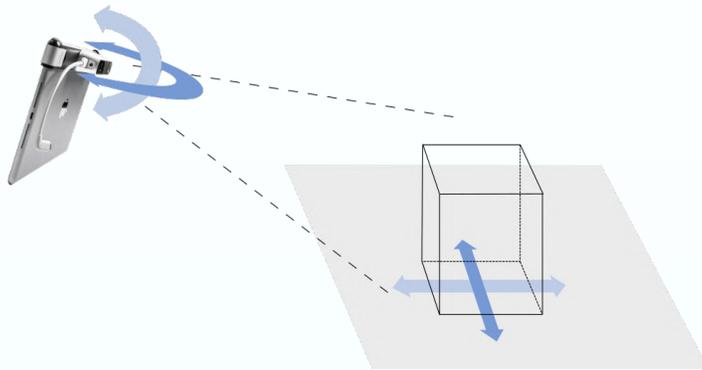
4. SCANS

HOW TO MAKE SURE THE 2 SCANS OF YOUR PATIENT ARE OPTIMAL

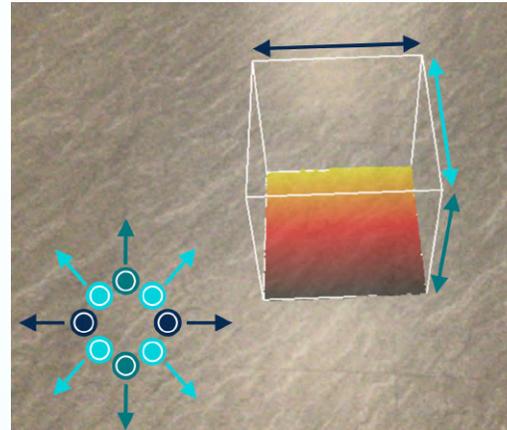


SCANNING WITH YOUR™ LINER APP

1. Position the Scan Box underneath the patient's stump



2. Scale the scan box to the size of the limb of your patient



- The Scan Box is always attached to the floor.
- Position the Scan-Box under the stump. **This is always easier if you are far away (3 - 4 m).**
- Tilt the iPad back and forth to move the scan box towards and away from you ; tilt it left and right to move it left and right
- Click "SCAN" to block the Scan Box and start scanning.

- Click and scale with two fingers to scale the ScanBox. Depending on the orientation of your click, you will control a different dimension of the Scan Box.
- The smaller the scan box, the better the resolution, the better the scan result => Reduce the scan box to the minimum size !
- Make sure that the scan box covers a longer section of the stump than you want the liner to be.

SCANNING TIPS



If you scan without Your™ Liner app, we work with **.obj or .stl files**. Our preferred format is .obj with textures / colours.



Scan in a space where there is a **lot of light**, so we can see the colours and drawn indications



Scan in continuous movements: **avoid going back and forth**, try going always in one direction.



Control the quality of your scans. In particular, start again if there is a big mismatch at the area where you started and finished the scan.



Some minor scanning errors can impose a substantial additional workload on our designers. **Send us 2 scans**, we will use the best one.

FOR BK PATIENTS

Scan position Standing up, <u>sitting on a high stool</u> , or laying on a bed	Pre-flexed liners Scan with knee flexed at desired angle. Flexion should be around 15°.
--	---

FOR AK PATIENTS

Scan position Standing up	Stump with abundant soft tissue Scan won't provide good results. Take a plaster cast, make a positive model with <u>0% reductions</u> & scan the cast	Stump without abundance of soft tissues (e.g. Knee-X) May be scanned normally. Use a stockinette or foil to pre-constrain the soft tissues.
-------------------------------------	---	---



5. PATIENT SELECTION

WHY WE ASK SOME INFORMATION ABOUT YOUR PATIENT



PATIENT ID

Your™ Liners are certified as custom made devices, according to the Regulation (EU) 2017/745 of the European Parliament and of the Council on medical devices. Each Your™ Liner is intended for the exclusive use of a particular patient, who **needs to be uniquely identified** in the device statement emitted with each Your™ Liner. If you have a system for assigning alphanumeric codes to your patients, you may preferably **send us that code instead of the patient name**.

BIRTHYEAR, WEIGHT & ACTIVITY LEVEL

We use the information on age and weight of the patient to **verify the overall coherence of the prescription** you send us. If some parameters of the liner (e.g. Shore hardness, thicknesses) seem surprising compared to the age, weight or activity level of the patient, we will get in touch to understand why you chose such parameters.

AMPUTATION TYPE

Depending on the amputation type of your patient, some options that Your™ Liner offers may not be suitable.

PATIENT E-MAIL ADDRESS

We continuously strive to improve our product and our service. To do that, it is crucial for us to receive feedback from the patients who use our products. We have therefore developed a **questionnaire to receive the opinions of patients** using Your™ Liner, and study their clinical benefits. If your patient agrees, simply give us their e-mail address so we can send them the survey.

The data collected through the survey are is anonymously, in compliance with Swiss law regarding research on human beings.

AVAILABLE PRODUCTS PER AMPUTATION TYPE

	CUSHION	SUCTION	PIN-LOCK
Ankle-X	✓	✓	✗
Transtibial	✓	✓	✓
Knee-X	✗	✓	✗
Transfemoral	✗	Not yet available	Not yet available
Upper limbs	Not yet available	Not yet available	Not yet available



6. LINER ATTRIBUTES

CHOOSE THE SUSPENSION / HARDNESS



3 SHORE HARDNESSES



RELAX

(Sh~ 0030 / A0)



ACTIVE

(Sh~ 0050 / A5)



DYNAMIC

(Sh~ A10)

See p 16 for more details on the Shore hardnesses

3 SUSPENSION OPTIONS



CUSHION

Sleeve suspension



SUCTION

Vacuum suspension



PIN-LOCK

Distal suspension

DEPENDING ON THE SUSPENSION TYPE, YOU CAN ALSO:



Optional: Add suction lines above the knee to enhance the seal between liner and sleeve.
We will add 3 proximal suction lines between 5 and 10cm above knee level.

➔ Write in the "General comments" text box.



Optional: Define the location of the suction lines. Tell us:

- the height of the lowest line (measured from distal end)
- the height of the highest line (measured from distal end)
- The space you want between each suction line.

➔ Write in the "General comments" text box.



Choose between a M6 and a M10 thread size.

GENERAL COMMENTS

You can always use this free text field to provide any additional information / request. For example: suction lines location, previous liner used by the patient, specific delivery requests, attention points, etc.

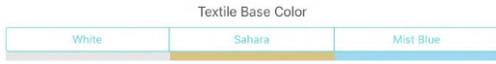


6. LINER ATTRIBUTES

DEFINE THE VISUAL STYLE OF YOUR™ LINER



TEXTILE BASE COLOUR



Choose from one of our 3 base colour.



Custom Color (+30 CHF)

The colour wheels have been reported to be a source of bugs in the application. Until a due correction, do not use the colour wheels.

If you want a specific colour, choose "White" and tell us what you want in the "Other Comments" box.

LOGO / PATTERN



Short on inspiration ? Choose simplicity and elegance with

YOUR™ LINER CLASSIC STYLE

If you do not specify anything in the "Logo" field, we will use the Your™ Liner classic style.



Proud of your company and its brand ? Make Your™ Liner

CUSTOM BRANDED FOR YOUR COMPANY

Get in touch with us so we set up a default design with the logo of your company.

Still not satisfied ? You can always go for the

UNIQUE PATIENT DESIGN

If your patient wants something specific, we're always happy to put our means at your disposal for his satisfaction. We can add pictures patterns on liners in two different ways:

LOGOS / CLIPPED IMAGES



FULL PICTURES / PATTERNS



For full pictures, the picture must be high and narrow (portrait, not landscape):



Protected brands: We can not use protected brand names & designs on Your™ Liners.



7. SEND

SEND THE ORDER & MAKE SURE IT GOT THROUGH



SENDING THE ORDER WITH YOUR™ LINER APP

- Click on the blinking send icon(☁️) , and sign to validate the order.
- The app generates an e-mail. **Do not change anything in the e-mail.** You may add someone in cc, but do not change the recipient address (orders@motiontech.ch). Just click send.
- Once the app displays the success screen, **check in your iPad's e-mail app** that the e-mail appears in the "sent" mailbox.

SENDING THE ORDER WITH ORDER FORM + OTHER SCANNER

- Fill in the complete order form and scan it to a .pdf format.
- Attach the 4 pictures, 2 scans and order form into an email, and send it to orders@motiontech.ch

TROUBLESHOOTING

- E-mails with heavy attachments may take some time to get sent when the WiFi connection is bad. Double check that the e-mail appears in the "Sent" folder of your e-mail app, and that it is not blocked in the "Outbox" folder.
- Some e-mail providers impose a limit on the size of the attached files that can be sent. If your order is blocked in the Outbox folder because of this, you have two options:
 - Send the attachments in separate e-mails
 - Contact us so we can set you up with a "yourcompany@motiontech.ch" address which you can use to send the heavy files to us
- We send an order confirmation at latest the next open day where we received the order. If you do not get an order confirmation within 2 days contact your local MotionTech rep.

YOUR CONTACT:



ADDRESS

Chemin du Closel 5,
CH-1020 Renens,
SWITZERLAND



PHONE

+41 77 525 27 79
+33 7 85 19 23 06



E-MAIL

sales@motiontech.ch



WHATSAPP

+41 77 525 27 79



Join us on social media to see what MotionTech is up to !

ADDITIONAL INFORMATION

WARNINGS & PRECAUTIONS

-  A Your™ Liner should not be worn for more than **8h** in a row. After that time, a Your™ Liner should be doffed and cleaned according to the instructions for use.
-  A Your™ Liner is designed specifically for each individual patient. It is intended only for the usage of the patient it was designed for, not for other patients. Use of a Your™ Liner by multiple patients could lead to cross contamination between patients. Other patients may also cause themselves injuries if using a liner designed for another patient, due to unadapted shape.
-  A Your™ Liner is intended to be in contact with and only with the skin of the stump it was designed for. If you equip a patient that presents a bilateral amputation, make sure your patient understands for which limb the Your™ Liner is intended.
-  The skin on which Your™ Liner is placed needs to be intact. If any wounds, rashes, redness, eruptions, blisters or any other injuries are present on the limb, the liner shall not be used until the injuries are healed. Your patient should be instructed to consult you or his physician if he presents have persistant skin injuries that may require professional medical attention.
-  To avoid danger of suffocation, a Your™ Liner shall be kept away from infants and children, and shall not be donned on the head in any case.
-  Your™ Liners can melt or burn if exposed to high temperatures or flame. They shall not be exposed to these conditions.
-  Your™ Liners shall be used only for the purpose and in the manner described in this document and in the instructions for use. MotionTech declines all responsibility if any harm, material or physical, occurs while using its products for another purpose.
-  Your™ Liners are made of silicone materials. If your patient is allergic to silicone, do not provide him with a Your™ Liner.
-  Your™ Liners are tailor made based on your specific design prescriptions. Depending on this design prescription, on usage conditions and your patient's activity level, their lifetime can differ substantially.
-  After a Your™ Liner has been used for 6 months, it should be returned to you for replacement, even if it seems to be in good condition. Wearing a deteriorated Your™ Liner may put your patient at risk of rashes and other skin problems.
-  When disposing of a worn out Your™ Liner or providing it to anyone, please thoroughly implement the cleaning and disinfections procedures described in the Instructions for Use. Once free of potential traces of blood, excretions or secretions, Your™ Liner can be disposed of as normal domestic waste, in accordance with your local waste disposal regulations.
-  Should any serious incident in relation to a Your™ Liner occur, please report it immediately to MotionTech and to your national competent authority for medical devices.
-  Your™ Pin-lock Liners include metal parts and shall not be worn if their user engages in a therapeutic procedure which involves magnetic fields and/or radiation.
-  A Your™ Liner is designed specifically for the shape of one individual limb. If the residual limb has undergone significant volume changes since the liner was delivered, it shall not be used anymore. Using an un-fitted Your™ Liner may put your patient at risk of injuries, or of his limb slipping out of the liner.
-  When you patient engages in an activity that could result in excessive perspiration, he shall be instructed to periodically remove his liner, and to dry off both the liner and his limb to prevent slippage of the liner on the limb. Similarly, the liner shall be dry before donning. Wearing a wet Your™ Liner involved in the suspension of the prosthesis (i.e. Your™ Pin-lock and Suction Liners) exposes your patient to the risk of falling.
-  Your™ Liners are not designed to be used underwater. Patients shall be instructed not go into water with their Your™ Liner as it might reduce the durability, and risk having the liner slipping off the limb, thereby loosing their prosthesis.

ADDITIONAL INFORMATION

TROUBLESHOOTING

Problem	Likely cause	Solution
Seam is wearing or unraveling	Movement or rough socket edge	Apply instant adhesive to the seam
Silicone and fabric separate at the proximal edge	Liner is trimmed too close to the socket, and the socket edge rubs against the liner	Liner needs to be changed and trimmed longer
Fabric shows wear signs along socket trim line	The liner rubs against the trim line of the socket	Smooth out the edge of the trim line. Check that liner does not rub across the socket during gait. Optionally, add cover, like leather, to the socket edge.
Fabric or silicone is breaking down in the anterior distal tibia area	Socket has become loose in that area	Insert a pad in the socket in that area to tighten the fit.
Your patient experiences excessive sweating	Skin is not yet used to the closed environment that a liner imposes	<p>The excessive sweating phenomenon should continue after a few weeks of using Your™ Liner.</p> <p>Patients that engage in physical activity that leads to sweating should periodically doff the liner and dry it off to prevent slippage of the liner on the limb.</p> <p>Some patients have tried to apply anti-perspirant to the residual limb before donning the liner, with effective results. Instructions shall be followed and anti-perspirant shall NOT be used if there are open sores on the skin. Please note that non alum-based products might damage the liner.</p>
Patient experiences sweating, even though he has worn a Your™ Liner for a long time without excessive sweating	Some air manages to get into the liner	This may be due to limb shrinkage. Check the socket and liner fit. If the liner fit is loose, you need to order a new Your™ Liner with updated scan for new limb shape and volume. If the socket fit is loose, tighten up the socket.
	Liner presents a hole	Your™ Liner needs to be renewed
Top edge of the liner is rolling down the leg	Liner is too tight at the proximal end	The residual limb of your patient may have increased in volume. A new Your™ Liner shall be ordered with updated scan for new limb shape and volume.
	Liner is too short	The liner does not fit your patient's limb. There may have been an error during the scanning process. Contact MotionTech' customer service to check if the model provided matches your patient's limb measurements.
Patient presents irritation all over the residual limb	Residual limb has shrunk and the liner or socket fit became loose	<p>The socket fit shall be tightened. If this is not efficient, a new Your™ Liner shall be ordered with updated scan for the new volume and shape of your patient's limb.</p> <p>To ensure that the irritation does not come from allergic reaction, apply a piece of silicone from a Your™ Liner in another area of the body and check for skin reaction.</p>
	Use of an irritating soap lotion, cream, or other skin conditioner	Ask your patient if he started using a new cleaning product, lotion, cream, powder or other skin conditioner. Hydrocarbon oils, animal fats and oils can often produce allergic reactions. Antibacterial soap has also been linked to skin irritations with some amputees.
	Hygiene routine not properly implemented	Review the hygiene instructions with your patient, including cleaning, rinsing and disinfection procedures.
Patient presents irritation along the proximal edge of the liner	Patient does not follow the proper rolling procedure and pulls the liner up on the the skin instead.	<p>Check your patient's donning technique.</p> <p>Reduced irritations have also been obtained by cutting the proximal edge of the liner in a wave pattern.</p>
Open wounds or other skin injuries	Many possible causes. Socket fit and other specific patients conditions are most likely.	The specific cause need to be singled out. During healing, Your™ Liner should not be worn if the condition is too severe. If the injury is minor, bandages should be applied to cover the wound and prevent direct contact with Your™ Liner.
Residual limb and liner rotate inside the socket	Residual limb is highly cylindrical and socket is too loose	Tighten socket fit

ADDITIONAL INFORMATION

INTENDED USES, CONTRAINDICATIONS, COMPATIBLE COMPONENTS, RECEPTION & FITTING

Your™ Liner Family

Intended use of Your™ Liners:

A Your™ Liner is a protective cover designed to be worn over a residual limb. A Your™ Liner is intended to be in direct contact with the intact skin of the stump it was designed for. A Your™ Liner is intended to provide a slight compression onto its user's residual limb.

A Your™ Liner is intended to be used in conjunction with a prosthetic socket. Its function is to provide cover for the residual limb, and mitigate the load transferred from the residual limb to the prosthesis over the various tissues.

A Your™ Liner is intended to be worn for a maximum of 8h in a row. It should then be doffed and cleaned according to cleaning protocol in the instructions for use document.

Contraindications for all Your™ Liners:

Although silicone liners have been used successfully with thousands of patients, MotionTech does not recommend using Your™ Liners on the following types of patients:

- any patient who is either not capable or not willing to comply with the cleaning and hygiene procedures described in this booklet
- any patient who lacks the hand function to roll the liner successfully up onto the residual limb, and who does not have a caregiver to assist with this process
- any patient who lacks the ability to orient the liner properly on the limb, for example due to limited eyesight
- any patient who has a skin condition which could be aggravated by covering the limb with a non-porous liner, or who is known for developing allergic reactions to silicone

Your™ Tibial Cushion Liners

Intended use of Your™ Tibial Cushion Liners:

On top of the aforementioned intended use applicable to all Your™ Liners, Your™ Tibial Cushion Liners are intended only for patients with a below-knee amputation.

A Your™ Tibial Cushion Liner does not play a role in the suspension of the prosthesis. It is therefore intended to be used with an adapted suspension system independent from the liner (for example a suspension sleeve).

Suspension type & components compatible with Your™ Tibial Cushion Liners:

A Your™ Tibial Cushion Liner is designed to be used with a suspension sleeve. Even if you decide to add some anatomical suspension in your socket design - which is not recommended, as Your™ Tibial Cushion Liners work best with total weight bearing sockets -, you MUST provide a suspension sleeve to your patient in order for the suspension to be efficient. Not using a suspension sleeve with a Your™ Tibial Cushion Liners may result in slippage of the prosthesis on the liner.

It is your responsibility, as ordering prosthetist, to ensure that the suspension function provided by the chosen suspension sleeve is adequate and sufficient.

A Your™ Tibial Cushion Liner does not hold any weight bearing or suspension function, and its strength is therefore not safety-related. Your™ Tibial Cushion Liners have therefore not been subjected to strength tests. For further indications on maximum prosthesis weight and/or user weight, refer to the indications provided by the manufacturer of the components involved in the weight bearing and suspension functions.

Your™ Tibial Suction Liners

Intended use of Your™ Tibial Suction Liners:

On top of the aforementioned intended use applicable to all Your™ Liners, Your™ Tibial Suction Liners are intended only for patients with a below-knee amputation.

A Your™ Tibial Suction Liner is intended to be used with a dedicated prosthetic socket equipped with a standard expulsion valve. A Your™ Tibial Suction Liners must also be used with a supplementary suspension system independent from the liner (for example a suspension sleeve), in case the patient presents a short residual limb, substantial daily volume fluctuations, or if sufficient suspension can not be achieved without such supplementary suspension system.

Contraindications for Your™ Tibial Suction Liners:

Your™ Tibial Suction Liners are intended to work safely when used with a dedicated prosthetic socket equipped with a standard expulsion valve. A Your™ Tibial Suction Liner must also be used with a supplementary suspension system independent from the liner, in case the patient presents a short residual limb, substantial daily volume fluctuations, or if sufficient suspension can not be achieved without such supplementary suspension system. A Your™ Tibial Suction Liner can not be provided without supplementary suspension method to a patient who presents a short residual limb or substantial residual limb volume fluctuations during the day, due to the risks of loss of suspension.

Suspension type & components compatible with Your™ Tibial Suction Liners:

A Your™ Tibial Suction Liner is designed to be used with a dedicated socket equipped with a standard expulsion valve. Before choosing this type of liner for a patient, observe the contraindications presented in the present manual. It is mandatory that you ensure that the suspension strength obtained through the vacuum suspension is sufficient prior to providing the Your™ Tibial Suction Liner to your patient. If sufficient suspension can not be reached through socket adaptations, you must provide him with a supplementary suspension system independent from the liner.

Extensive efforts have been implemented to ensure that the suspension strength of Your™ Tibial Suction Liners is as high as possible. However, as Your™ Tibial Suction Liners are tailor-made, classical strength tests are not sufficient to ensure a flawless mechanical strength for each designed product. Furthermore, the strength of the suspension depends to a great extent on the fit with the prosthetic socket. This is why the suspension function of Your™ Tibial Suction Liners must be validated by the certified prosthetist prior to provision of such a device to the patient.

Your™ Tibial Suction Liners have therefore only been subjected to shear fatigue tests to assess the strength of the suction lines. If any sign of excessive movement or product wear is detected on or around the suction lines of the liner at any time, your patient should be instructed to immediately discontinue use of the device and consult you.

For further indications on maximum prosthesis weight and/or user weight, refer to the indications provided by the manufacturer of the components involved in the weight bearing and suspension functions.

Your™ Tibial Pin-lock Liners

Intended use of Your™ Tibial Pin-lock Liners:

On top of the aforementioned intended use applicable to all Your™ Liners, Your™ Tibial Pin-lock Liners are intended only for patients with a below-knee amputation.

A Your™ Tibial Pin-lock Liner is intended to be used with a plunger pin and a locking mechanism. A locking mechanism therefore needs to be integrated in the prosthesis ; and a plunger pin compatible with the chosen locking mechanism needs to be fastened to the distal umbrella of the Your™ Tibial Pin-lock Liner by the prosthetist, prior to provision of the Your™ Tibial Pin-lock Liner to its intended patient.

Suspension type & components compatible with Your™ Tibial Pin-lock Liners:

A Your™ Tibial Pin-lock Liner is designed to be used with a distal attachment pin. MotionTech provides two options regarding compatible pin-lock systems: a M6 and a M10 thread. It is your responsibility, as ordering prosthetist, to ensure that the selected pin-lock system to be assembled on the prosthesis is compatible with the chosen connector (M6 or M10).

Apply Loctite 410/411 or equivalent compound to the threads of the pin and torque to 4 Nm (3 ft.lbs). It is not recommended to use a pin without a flange with Your™ Tibial Pin-lock Liners. If you do, follow the same process but torque only to 1.5 Nm (1.1 ft.lbs).

Extensive efforts have been implemented to ensure that the suspension strength of Your™ Tibial Pin-lock liners is as high as possible. Your™ Tibial Pin-lock Liners have been tested under axial tensile load to assess their proof and ultimate strength under such loading conditions. However, as the shape of the locking system of Your™ Tibial Pin-lock Liners are tailored to each patient, classical strength tests are not sufficient to ensure a flawless mechanical strength for each designed product. These conducted tests provided indications that a Your™ Tibial Pin-lock Liner may be used with a prosthesis which weighs up to 10kg.

If any sign of excessive movement or product wear is detected on or around the locking part of the liner at any time, your patient should be instructed to immediately discontinue use of the device and consult you.

For further indications on maximum prosthesis weight and/or user weight, refer to the indications provided by the manufacturer of the components involved in the weight bearing and suspension functions.

Your™ Femoral Suction Liners

Intended use of Your™ Femoral Suction Liners:

On top of the aforementioned intended use applicable to all Your™ Liners, Your™ Femoral Suction Liners are intended only for patients with an above-knee amputation.

A Your™ Femoral Suction Liner is intended to be used with a dedicated prosthetic socket equipped with a standard expulsion valve. A Your™ Femoral Suction Liners must also be used with a supplementary suspension system independent from the liner (for example a Silesian belt or a pelvic band), in case the patient presents a short residual limb, substantial daily volume fluctuations, or if sufficient suspension can not be achieved without such supplementary suspension system.

ADDITIONAL INFORMATION

INTENDED USES, CONTRAINDICATIONS, COMPATIBLE COMPONENTS, RECEPTION & FITTING

Contraindications for Your™ Femoral Suction Liners:

Your™ Femoral Suction Liners are intended to work safely when used with a dedicated prosthetic socket equipped with a standard expulsion valve. A Your™ Femoral Suction Liner must also be used with a supplementary suspension system independent from the liner, in case the patient presents a short residual limb, substantial daily volume fluctuations, or if sufficient suspension can not be achieved without such supplementary suspension system. A Your™ Femoral Suction Liner can not be provided without supplementary suspension method to a patient who presents a short residual limb or substantial residual limb volume fluctuations during the day, due to the risks of loss of suspension.

Suspension type & components compatible with Your™ Femoral Suction Liners:

A Your™ Femoral Suction Liner is designed to be used with a dedicated socket equipped with a standard expulsion valve. Before choosing this type of liner for a patient, observe the contraindications presented in the present manual. It is mandatory that you ensure that the suspension strength obtained through the vacuum suspension is sufficient prior to providing the Your™ Femoral Suction Liner to your patient. If sufficient suspension can not be reached through socket adaptations, you must provide him with a supplementary suspension system independent from the liner.

Extensive efforts have been implemented to ensure that the suspension strength of Your™ Femoral Suction Liners is as high as possible. However, as Your™ Femoral Suction Liners are tailor-made, classical strength tests are not sufficient to ensure a flawless mechanical strength for each designed product. Furthermore, the strength of the suspension depends to a great extent on the fit with the prosthetic socket. This is why the suspension function of Your™ Femoral Suction Liners must be validated by the certified prosthetist prior to provision of such a device to the patient.

Your™ Femoral Suction Liners have therefore only been subjected to shear fatigue tests to assess the strength of the suction lines. If any sign of excessive movement or product wear is detected on or around the suction lines of the liner at any time, your patient should be instructed to immediately discontinue use of the device and consult you.

For further indications on maximum prosthesis weight and/or user weight, refer to the indications provided by the manufacturer of the components involved in the weight bearing and suspension functions.

Your™ Femoral Pin-lock Liners

Intended use of Your™ Femoral Pin-lock Liners:

On top of the aforementioned intended use applicable to Your™ Liners, Your™ Femoral Pin-lock Liners are intended only for patients with an above-knee amputation.

A Your™ Femoral Pin-lock Liner is intended to be used with a plunger pin and a locking mechanism. A locking mechanism therefore needs to be integrated in the prosthesis ; and a plunger pin compatible with the chosen locking mechanism needs to be fastened to the distal umbrella of the Your™ Femoral Pin-lock Liner by the prosthetist, prior to provision of the Your™ Femoral Pin-lock Liner to its intended patient.

Contraindications for Your™ Femoral Pin-lock Liners:

Your™ Femoral Pin-lock Liners shall not be provided to patients with a very short residual limb (approximately 7cm (3") or shorter as measured from the perineum to the distal end along the medial side), unless a supplementary suspension system independent from the liner is used (for example a Silesian belt or a pelvic band), due to the risks of loss of suspension.

Suspension type & components compatible with Your™ Femoral Pin-lock Liners:

A Your™ Femoral Pin-lock Liner is designed to be used with a distal attachment pin. MotionTech provides two options regarding compatible pin-lock systems: a M6 and a M10 thread. It is your responsibility, as ordering prosthetist, to ensure that the selected pin-lock system to be assembled on the prosthesis is compatible with the chosen connector (M6 or M10).

Apply Loctite 410/411 or equivalent compound to the threads of the pin and torque to 4 Nm (3 ft.lbs). It is not recommended to use a pin without a flange with Your™ Femoral Pin-lock Liners. If you do, follow the same process but torque only to 1.5 Nm (1.1 ft.lbs).

Extensive efforts have been implemented to ensure that the suspension strength of Your™ Femoral Pin-lock liners is as high as possible. Your™ Femoral Pin-lock Liners have been tested under axial tensile load to assess their proof and ultimate strength under such loading conditions. However, as the shape of the locking system of Your™ Femoral Pin-lock Liners are tailored to each patient, classical strength tests are not sufficient to ensure a flawless mechanical strength for each designed product. These conducted tests provided indications that a Your™ Femoral Pin-lock Liner may be used with a prosthesis which weighs up to 10kg.

If any sign of excessive movement or product wear is detected on or around the locking part of the liner at any time, your patient should be instructed to immediately discontinue use of the device and consult you.

For further indications on maximum prosthesis weight and/or user weight, refer to the indications provided by the manufacturer of the components involved in the weight bearing and suspension functions.

Liner reception & fitting

Liner size check

Despite all the quality checks we implement throughout our production, Your™ Liners remain custom-made devices. It is therefore mandatory that you be present the first time Your™ Liner is donned onto your patient's limb to ensure its suitability before providing it to your patient.

Pay attention to the observed tension of the liner once donned and make sure your patient does not feel unusual compression on his limb. Leave Your™ Liner on your patient's limb for at least 5 minutes to ensure that the compression is neither too high nor too low. If there is a doubt on the compressive behaviour of Your™ Liner, contact MotionTech's customer service prior to letting your patient go with Your™ Liner. If air pockets or wrinkles persist to appear after five attempts of carefully donning and aligning the liner, the liner should be deemed not adapted, and you should contact MotionTech' customer service for further indications. Similarly, if the liner is too tight, too loose or too short, you should contact MotionTech' customer service to assess the situation.

Trimming the liner

You may trim Your™ Liner to a shorter length. For a BK liner, do not trim it shorter than 8cm (3.1") above the proximal end of the socket. Use sharp scissors, a paper cutter, or a dedicated Hand-Held Cutting Wheel. To help prevent the seam from unraveling: Place a small drop of instant adhesive on the seam directly below the trimmed edge. Repairing an unraveling seam: Place a small drop of instant adhesive on the seam directly below where the liner has begun to unravel.

Miscellaneous

General Disclaimer

A Your™ Liner can be order by a certified prosthetist **only**.

A Your™ Liner offers the possibility to the prosthetist to customise a wide variety of parameters, in order to provide optimal comfort and performances to his patient. It is the responsibility of the ordering prosthetist to select the suitable parameters depending on the patient he intends to provide a Your™ Liner with.

The current document gives advices on which parameters should be selected for particular situations. They should be treated as guidelines, and not absolute rules, as each patient may differ. MotionTech's customer support teams are entirely at your disposal for further guidance on the liner design process.

MotionTech retains all intellectual property rights reflected in its physical products, regardless of the transfer of the physical products to another party or parties.

Material safety

Material Safety Data Sheets (MSDS) for MotionTech's materials may be made available upon request.

Liability

The manufacturer recommends using Your™ Liners only under the specified conditions and for the intended purposes. Your™ Liners must be maintained according to the instructions for use. The manufacturer is not liable for any damage caused by combinations of component that were not specifically recommended by the manufacturer in the present document.



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YOUR™ LINER.

