



**THUASNE**

---

ORTHOPEDICS



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Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region. All the medical devices mentioned on this document are CE marked according to the Regulation 2017/745 on medical devices, unless specifically identified as "NOT CE MARKED".

Some of the products featured in this document are also UKCA-marked according to S.I 2002/618 regulation on medical devices.

Medical devices mentioned in this document are CE class I.

Please contact Thuasne should you need any additional information on devices classification. Please carefully read the instructions for use, indications and contra-indications of the products. The main medical indications for the products are available on the product pages or are summarised in decision trees or in tables throughout the catalogue. The full list of medical indications, are available in the instructions for use.

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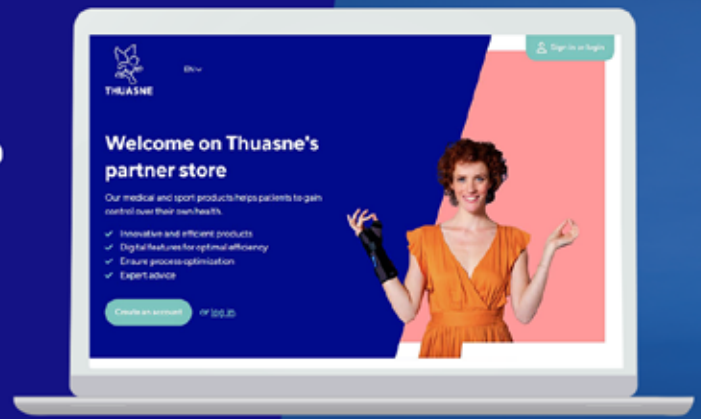
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# Quick and easy ordering?

Use our order platform



We want to support you in digitalization in the best possible way, which is why we are investing in our partner platform, an online ordering environment for our business customers. It is more than just an ordering platform, discover it for yourself!

## THE 5 REASONS TO GET STARTED WITH THUASNE PARTNER PLATFORM

### 1. Your time is precious!

Ordering through our platform saves you time because your order is processed directly in our warehouse after placement.

### 2. Always up to date!

Important current information such as your net price, current product overview, current stock, back orders and order history can be found directly in your account.

### 3. We continue to develop!

In 2023 we will be working on the following developments; management reports & order tracking

### 4. Information where and when you want it!

Login at any time and always have your information up to date.

### 5. Structure your deliveries!

You can work in the platform with your colleagues and prepare orders, so you can order when you want. This is better for the environment by saving on packaging materials and transport costs. You save time in your logistics. You save in order costs.

## Are you ready? Create your account now!

Please prepare your client ID and an invoice beforehand.

Go on [partner.thuasne.com](https://partner.thuasne.com)

Not a client yet? [Request an access.](#)



20.000 experts already trust us

40

85

14

# THUASNE: A range of services

If you are a distributor, Thuasne can offer to provide you with a whole range of marketing tools to help you in the development of your business and make your life easier!

## DEDICATED AREA MANAGER

A qualified area manager expert in your commercial zone will help you in the development of your business.

Market understanding, product analysis & registration, portfolio analysis, training... We can help you achieve your objectives with a wide range of expertise and support!

## MARKETING LIBRARY (DATA ASSET MANAGEMENT (DAM))

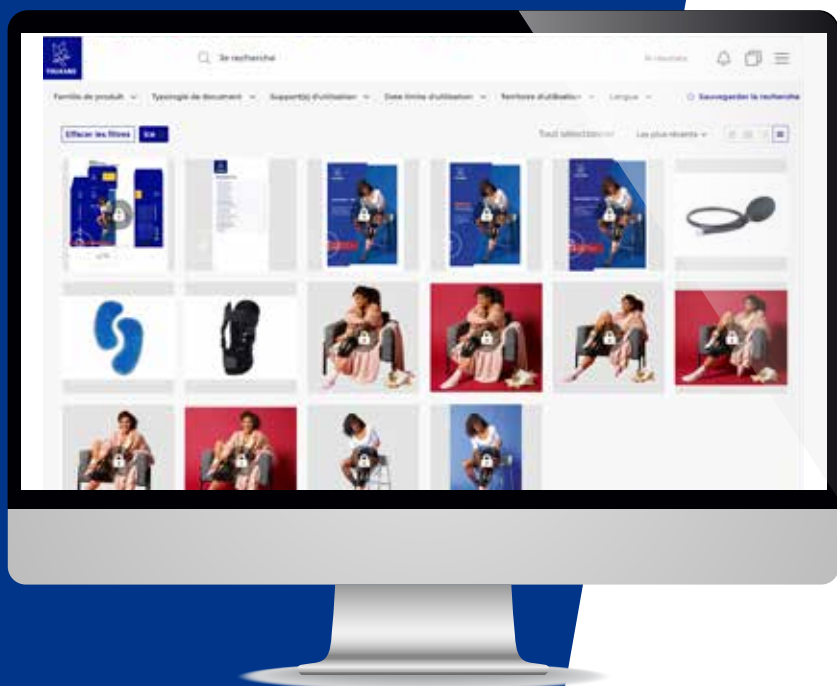
### Gain agility and performance!

Thuasne now provides a dematerialised marketing resources platform<sup>1</sup>. You will be able to access everything you need to promote Thuasne products on your brochures, your corporate website, your marketplace or any other support for you or your customers from the [mediacenter.thuasne.com/](https://mediacenter.thuasne.com/) website:

- HD product visuals.
- HD packaging visuals.
- HD lifestyle visuals.
- Thuasne catalogues and brochures.
- Product presentations.
- Product promotional videos.
- Product fitting videos<sup>2</sup>.

Nothing could be easier to access Thuasne's resources:

1. Visit the website: [mediacenter.thuasne.com/](https://mediacenter.thuasne.com/) and fill in your login information (or register by clicking on «Sign up» (when you don't have an account yet)
2. Carry out your search using the product name or its code (e.g. for Action Reliever: code 234901)
3. Select the files you wish to download
4. Check the rights of use of the marketing resource and choose your asset format
5. Acknowledge having read the Terms and Conditions of Use and agree to respect them
6. Download your marketing materials



# Core technologies

The Thuasne Group employs a vast array of manufacturing technologies to design orthotic solutions. These core technologies can be found across our ranges and are a cornerstone of Thuasne®'s success.

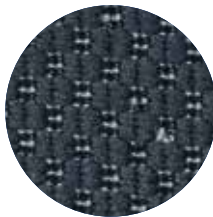
## TEXTILE

### Textile expertise for the benefit of patients

The origins of Thuasne® can be found in textile and it has been a focus since the company was founded, in 1847. Using both knitting and weaving technologies within its solutions, Thuasne® is on the cutting edge of the textile industry when it comes to medical device manufacturing.

Thuasne®'s spinal bracing solutions (LombaStab range) use weaving technology that provides compression to increase intra-abdominal pressure while helping to relieve pain and discomfort<sup>(1)</sup>. This same weaving is also breathable, featuring a unique double-sided design that encourages the evaporation of moisture for a cool, comfortable fit<sup>(2)</sup>.

The knitting technology used on upper and lower extremity bracing provides multiple features within a single knit structure: medical grade compression<sup>(3)</sup>, anti-migration technology<sup>(4)</sup>, anatomical shape, lower compression areas for comfort<sup>(5)</sup>, contribute to efficacy, comfort and compliance.



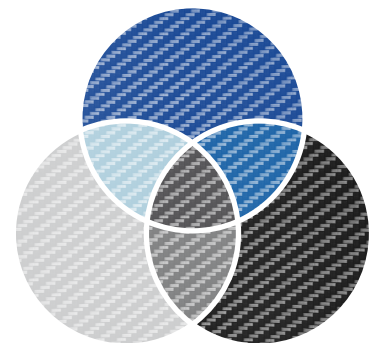
## COMPOSITES

### Innovation in orthotics through the science of composite materials

Thuasne® is committed to maximising the potential of each patient through innovative design and cutting-edge technology. Using the unique mechanical properties of a proprietary blend of composite materials, Thuasne®'s devices help improve mobility with every step. Inspired by the strength and flexibility of materials used in the automotive and aeronautics industries, Thuasne®'s off-the-shelf (OTS) and custom braces offer elegant<sup>(6)</sup> and reliable solutions to the most complex biomechanical deficits.

**Thuasne®'s success in composite science and orthotics is based on three tenets of design:**

- 1 The use of material diversity for enhanced features and benefits
- 2 The geometry, size and length of fibres
- 3 The ratio of fibre to matrix



<sup>(1)</sup> The back braces effect relies on 2 parameters: abdominal pressure and rigid stays located around the spine. This creates a 3 points system which reduces the lordosis.

<sup>(2)</sup> RET Evaluation - IN2103 project - Comfort evaluation of moisture (while wearing the device), July 2021; oc 1806 report on material characterisation.

<sup>(3)</sup> ASQUAL certification

<sup>(4)</sup> Use of anti-slip yarn made with silicone

<sup>(5)</sup> Panel knitting with adapted and/or specific design shapes. Compression is tested internally.

<sup>(6)</sup> Elegance is defined by a low complexity solution to a problem of high complexity. We consider something as elegant, when a simple, low complexity solution resolves a high complexity problem.

# KNEE AND SPINAL TECHNOLOGY

## Knee bracing technology

Thuasne®'s functional knee braces are designed for better fit and function<sup>(2)</sup>. Featuring Thuasne®'s Motion hinge technology, the TM5 is a biomechanically correct knee joint that mimics the roll and glide motion of the knee<sup>(1)(2)</sup>.

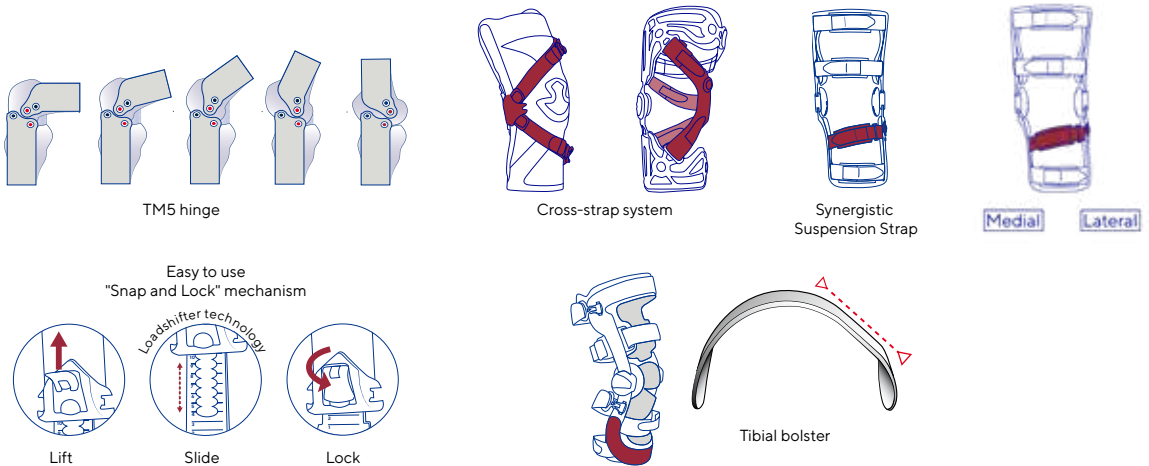
The tibial bolster addresses rotary instability by contouring the brace to fit the flatter medial side of the tibia. The combination of the TM5 hinge and anterior tibial bolster helps protect the knee against the two leading causes of ACL injuries: anterior tibial drawer and internal tibial rotation<sup>(1)</sup>.

The Synergistic Suspension Strap maintains intimacy of fit and brace positioning thanks to its non-elastic materials and angled placement at the top of the calf muscle. The Compression and Suspension (C/S) package provides an additional suspension element for patients who lack calf muscle shape<sup>(1)</sup>.

Osteoarthritis (OA) braces feature two offloading technologies<sup>(1)</sup>:

- Loadshifter technology (rigid double uprights knee braces): the upper shell varus or valgus angle can be adjusted to create a corrective force specific to the patient's needs.
- Cross-strap system (on single upright knee braces): inelastic straps intersect on the unaffected side of the leg to create a dynamic 3-point lever arm while the leg is in extension.

The Rebel Reliever® (see page 60), featuring Loadshifter technology, averaged a 36% reduction of force through the knee (peak KAM)<sup>(4)</sup> leading to decreased pain and improved function<sup>(1)(3)</sup>.



<sup>(1)</sup> Internal CE marking data.  
<sup>(2)</sup> A25 biomechanical study « Biomechanical study of the stride during use of different braces » 2020, including the Rebel® Standard, a rigid ligament brace with the TM5 hinge and conducted on a panel of 18 people.  
<sup>(3)</sup> Thoumie, Philippe, Marc Marty, Bernard Avouac, Adeline Pallez, Arnaud Vaumousse, Linh Pham Thi Pipet, André Monroche, et al. 2018. "Effect of Unloading Brace Treatment on Pain and Function in Patients with Symptomatic Knee Osteoarthritis: The ROTOR Randomized Clinical Trial." Scientific Reports 8 (1): 10519.  
<sup>(4)</sup> Lamberg, Eric M., Robert Streb, Marc Werner, Ian Kremenec, and James Penna. 2016b. "The 2- and 8-Week Effects of Decompressive Brace Use in People with Medial Compartment Knee Osteoarthritis." Prosthetics and Orthotics International 40 (4): 447-453.

# MEASUREMENTS

## NECK



Measure the neck circumference

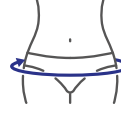


Measure the neck height, head upright, from the trachea to the chin

## BACK

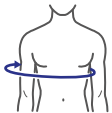


Measure the waist circumference

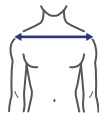


Measure the hip circumference

## SHOULDER - ELBOW



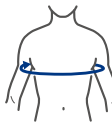
Measure the circumference under the chest with the injured arm



Measure the shoulder width



Measure the forearm circumference at the biceps level



Measure the chest circumference



Measure the forearm circumference under the elbow

## WRIST - FINGERS



Measure the wrist circumference



Measure the width of the hand at the level of the metacarpals



Measure the distance between the tip of the injured finger and the wrist

## KNEE



Measure the knee circumference in the middle of the patella, knee in slight flexion



Measure the calf circumference X cm below the fibular head



Measure the thigh circumference at the highest point or X cm above the knee



Measure the width of the knee



Measure the calf circumference Y cm below the knee



Measure the height



Measure the thigh circumference X cm above the knee and the calf circumference Y cm below the knee



Measure the floor-to-crotch height

## ANKLE - FOOT



Measure the ankle circumference above the malleolus



Measure the instep circumference



Foot length



Shoe size (EUR)

# CASTING & SCANNING

## Why do we need the scan of a cast?

Ensuring proper alignment is key to a successful orthotic outcome. Therefore, we require a shape capture through a cast that takes into account the footwear profile (heel height, toe ramp position etc.) as well as the intended brace alignment.

### **Our default alignment is:**

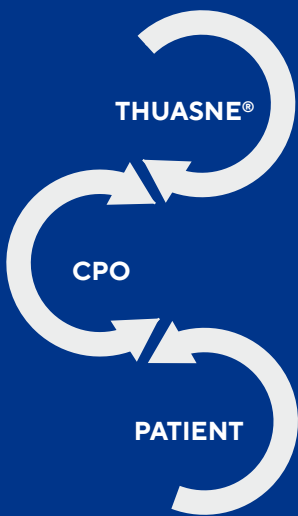
Foot and ankle positioned as for the intended footwear;

The tibial crest 7° inclined to the vertical;

The midline of the thigh vertical.







## Shape capture (cast + scan)

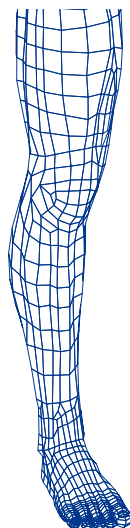
**Making custom products is a collaborative effort to satisfy the patient and improve their daily life.**

To create a unique solution for each patient, we need information and shape which will be used to manufacture each product.

**The two main inputs we require are the following:**

### Order form

- Give the biomechanical goals and the context of the brace.
- Measurements are important to validate scan accuracy and certain landmarks (knee M-L, knee center height) → can be a reason for fit warranty withdrawal.
- A printed version is available in this catalogue for each custom product.



### Shape capture

- Gives the shape and anatomical references for the job.
- The goal is to replicate the intended brace alignment.
- Once the shape is obtained you can either scan the negative cast (if the cast is no more than 3 ply of fiberglass at any level) or scan the positive cast (recommended for thick casts or plaster of paris casts).
- Direct scans of the leg are accepted for knee orthoses.
- Thuasne® facilities ONLY accept scans of casts – casts can no longer be shipped.
- Various formats possible (ideally .stl).

## A COMPLETED ORDER FORM IS FUNDAMENTAL TO UNDERSTAND YOUR GOALS AND THE CLINICAL PRESENTATION OF THE PATIENT

### Patient Information

By filling this order form and placing an order for this device, I hereby certify that I am authorized to dispense this medical device in virtue of any national law governing the fitting and adjustment of orthopedic medical devices  
Please do not provide any personal information (name etc.) regarding the patient, but only provide health information necessary to the fabrication of this medical device

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male  Female

Weight \_\_\_\_\_  Lbs.  Kg. Height \_\_\_\_\_  in.  cm.

Leg:  Left  Right

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

Shoe Size: \_\_\_\_\_

- Appropriately scaled tracing of shoe insole provided with order form
- Not sending shoe or tracing (toe segment will be made longer and wider, requiring trimming during fitting)

**PLEASE PROVIDE MEASUREMENTS**

Shoe Height Measurement (Shoe sole thickness at heel and forefoot)

Heel \_\_\_\_\_  in.  cm.

Forefoot \_\_\_\_\_  in.  cm.



### Initials

Please do not provide any patient personal information.  
**NO PATIENT NAME**

### Diagnosis

Can influence the design in some instances.

### Insole

Tracing of shoe insole helps to make a foot section as precise as possible. **No tracing = trimming may be required at fitting.**

### Shoe

Heel & forefoot height are crucial; they will contribute to **determining the alignment.**

### Please Follow Step-By-Step Cast Protocol Instructions

#### Range Of Motion

a. Knee ROM: \_\_\_\_\_° extension to \_\_\_\_\_° flexion

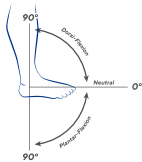
b. Ankle ROM, with knee extended

Dorsi-Flexion \_\_\_\_\_°

Plantar-Flexion \_\_\_\_\_°

c. Plantarflexion contracture

Yes \_\_\_\_\_°  No



### ROM + cast information

Will determine if we can reach the default Thuasne® alignment:

- Foot and ankle positioned as for the intended footwear;
- Tibial crest 7° inclined to the vertical;
- Midline of the thigh vertical.

If not, the brace may require extrinsic posting during fitting.

#### Activity Level (Check one)

- Limited ambulator: sits to stands and transfers
- Household ambulator: level surfaces with walking aids
- Limited community ambulator: level surfaces with walking aids
- Active community ambulator: mild inclines and declines with or without walking aids
- Independent ambulator: varied cadence, uneven surfaces and no walking aids
- Active ambulator: walking, running, some athletic activity

#### Observational Gait Analysis (Check all that apply)

- Footslap
- Footdrop
- Excessive dorsiflexion in terminal stance
- Crouch in stance
- Knee hyperextension in stance

#### Biomechanical objectives (Check all that apply)

- Control dorsiflexion weakness
- Control plantar flexion weakness
- Control ankle valgus instability
- Control ankle varus instability
- Control ankle varus instability
- Resist knee hyperextension in stance
- Resist knee flexion in stance

Other: \_\_\_\_\_

### Activity level and biomechanical objectives

are two fundamental sections to understand what you and the patient are expecting to achieve with the device.

For example, a high activity goal may influence the recommended shell configuration of the device.

### Brace Configuration

#### Shell Configuration



- Anterior (1)
- Posterior (2)
- Hyperextension Resist (3)
- Flexion Resist (4)

#### Coronal Plane Extension

- Valgus Resist
- Varus Resist

#### Molded Inner Boot



- Low
- Dorsal wrap
- Leave inner boot unattached

### Shell configuration

**Posterior is the default.** If you do not know what to prescribe, start with a Posterior and find a reason not to use it.

Our design team can help on this design aspect and provide advice on which shell configuration would be the most suitable and durable.

### Coronal plane extension

Extends from the calf cuff.

### Molded inner boot

Plastic inner boot gives room, attached to the composites frame, can be removed for on the spot tuning by the clinician (this part can be heat molded).

#### Knee Joint Options



- Single Pivot Locking **37700-L** (Manual Triggers)
- Single Pivot Locking\* **37700-L** (Twist Release with free motion)
- 5-bar Free **37700**
- 5 Bar Locking **37700-L** (Manual Triggers)
- 5 bar Locking\* **37700-L** (Twist Release with Free motion)
- Install Extension Assist Bands/Posts

### Knee joint

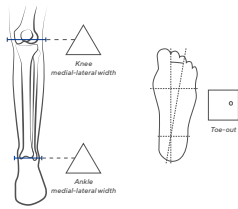
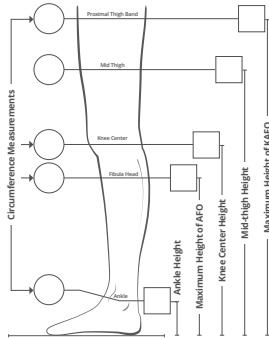
The choice is limited to two options (for KAFO only), **single pivot and 5-bar:**

- 5-bar is usually the default.
- 5-bar can be totally free or locking with free motion (manual triggers are not recommended).

### Extension assist

can be added. It consists of removable elastic bands, and the resistance can easily be increased or decreased.

**Measurements**



**Measurements have two purposes:**

**1. Confirm the scan accuracy**

- Circumferences can help confirm if anything is “off” with the scan → consistently bigger/smaller.

**2. Define critical measurements that are difficult to assess on scan**

- Especially when there is a lot of soft tissue.  
 - Knee center height and knee M-L are the two most critical measurements. **Fit warranty may be withdrawn** if those two measurements are not provided.

**TO HELP YOU WITH CASTING, WE PROPOSE THE FOLLOWING TOOLS:**

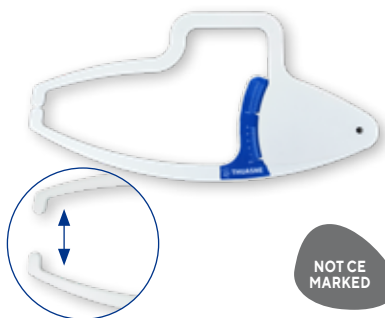


NOT CE MARKED

**Casting platform**

UU10101001001

Allows to replicate the shoe pitch in the cast.  
 Heel blocks must **match the pitch of the shoe**.  
 Toe ramp must be positioned at the **base of the metatarsal heads**.



NOT CE MARKED

**Shoe caliper**

UU10201001001

Allows to measure heel height & forefoot height.

**Heel height – Forefoot height = Block height**



NOT CE MARKED

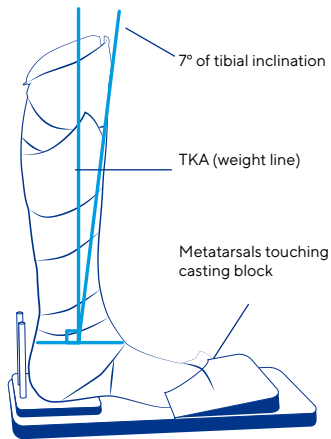
**Caliper**

0117092827

Allows to measure **knee width**.

The following guidelines are provided to help you obtain the most suitable shape capture. If any questions, feel free to contact our CPO team at the following address: [cpo@thuasne.com](mailto:cpo@thuasne.com)

## AFO CASTING GUIDELINES



### 1. Medium

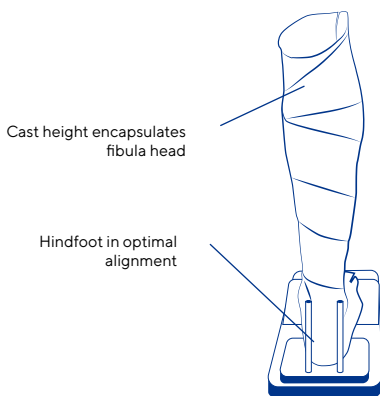
Fiberglass (recommended brands are C-Form from ST&G, Delta Conformable BSN, Delta Lite BSN and Össur Techform).

### 2. Recommended technique

- Fiberglass casting.
- Use of a casting platform.

### 3. Position

- Sitting on a chair.
- Using casting platform to replicate heel height and toe ramp (or another system allowing to replicate heel height and toe ramp).
- Metatarsal touching the casting platform.
- Optimal sagittal alignment: correlates with heel height of the shoe (+/- 5° of the functional alignment).
- Optimal coronal alignment: to represent biomechanical goals (+/- 3° of functional alignment).
- Tibial inclination of 7°.



### 4. Cast length

- Mid-calf and captures all toes.

### 5. Cut strip

- Anterior on the dorsum of the foot to transition laterally.

### 6. Markings on the cast

- Fibula head, metatarsal heads, base of 5<sup>th</sup> metatarsal, navicular, medial and lateral malleoli, tibial crest, tibial tubercle.
- If applicable mark: deformity, scar tissue, and any other area of concern.
- Reference hash-marks on top of cutting strip.
- Add name of patient and clinic on cast.

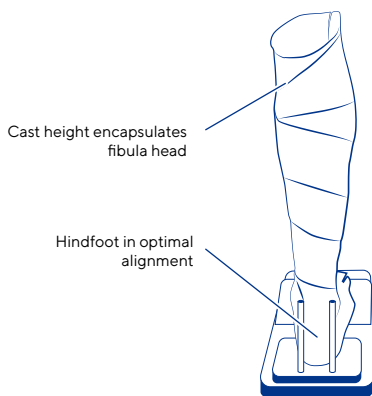
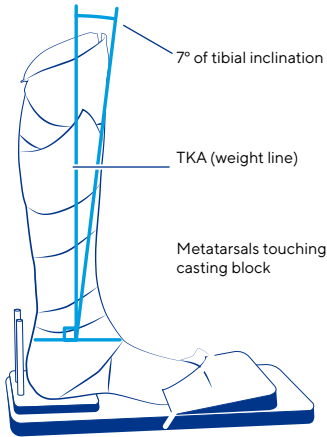
### 7. Rigidity/Thickness

A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end.

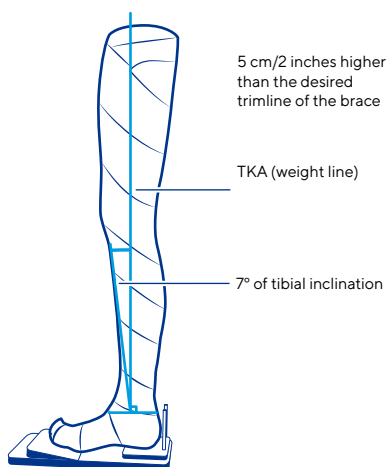


## KAFO CASTING GUIDELINES

### AFO section



### KO section



#### 1. Medium

Fiberglass (recommended brands are C-Form from ST&G, Delta Conformable BSN, Delta Lite BSN and Össur Techform).

#### 2. Recommended technique

- 2 stages fiberglass casting.
- Use of a casting platform.

#### 3. Position

##### AFO

- Sitting on a chair.
- Using casting platform to replicate heel height and toe ramp (or another system allowing to replicate heel height and toe ramp).
- Metatarsals touching the casting platform.

**Optimal sagittal alignment:** correlates with heel height of the shoe (+/- 5° of the functional alignment).

**Optimal coronal alignment:** to represent biomechanical goals (+/- 3° of functional alignment).

- Tibial inclination of 7°.
- Leave the top 7.5 cm / 3" of the AFO section unsprayed. It will allow the two sections to bond when you start the KO casting. Allow it to cure and then start the KO section casting process.

##### KO

- Non-weightbearing.
- Sitting on the edge of a chair.
- Terminal extension.
- Coronal and sagittal alignment must be within +/- 5° of the intended brace position\* (\*except in case of contracture).

#### 4. Cast length

**AFO:** mid-calf and captures all toes.

**KO:** 2" / 5 cm taller than the desired length of the brace (proximally).

#### 5. Cut strip

Anterior on the dorsum of the foot to transition laterally.

#### 6. Markings on the cast

##### AFO section - Outside of the cast

- Fibula head, metatarsal heads, base of 5<sup>th</sup> metatarsal, navicular, medial and lateral malleoli, tibial crest, tibial tubercle
- If applicable mark: deformity, scar tissue, and any other area of concern.
- Reference hash-marks on top of cutting strip.
- Add name of patient and clinic on cast.

##### KO section - outside of cast

- Fibula head, patella, medial & lateral condyle.
- If applicable mark: deformity, scar tissue, and any other area of concern.

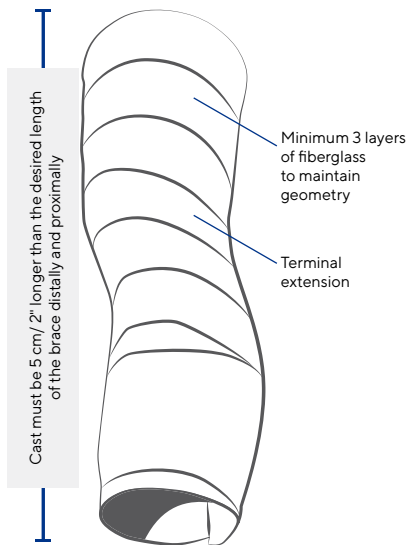
#### 7. Rigidity/Thickness

A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end.

KO, AFO, & KAFO  
Casting Instructions  
More Info >



## KO CASTING GUIDELINES



### **1. Medium**

Fiberglass (any brand).

### **2. Recommended technique**

Traditional technique.

### **3. Position**

- Non-weightbearing.
- Sitting on the edge of a chair.
- Terminal extension.
- Foot in dorsiflexion: should naturally give a proper toe out.

### **4. Cast length**

Cast must be 5 cm/2" longer than the desired length of the brace.

### **5. Cut strip**

Posterior.

### **6. Markings on the cast**

- Fibula head, patella, medial & lateral condyle (+ if applicable: deformity, scar tissue, and any other area of concern).
- Reference hash-marks on top of cutting strip.
- Add name of patient and clinic on cast.

### **7. Rigidity/Thickness**

A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end.



# Did you know?

**10 to 20%**  
of adults suffer from neck pain<sup>1-2</sup>



The neck is one of the areas of the body most affected by repetitive strain injuries in the office<sup>3</sup>

**1/4** of all people with  
an office job  
complain of neck pain<sup>4</sup>

People who play **contact sports** (football, boxing, hockey, etc.) are also commonly affected<sup>5</sup>





# NECK

## CERVICAL COLLAR: WHAT BENEFITS?

Depending on design and structure, cervical collars immobilise the cervical spine, and help limit flexion, extension and rotation movements.

They act on several levels:

- 1 Pain-relieving effect**  
By limiting movements and painful mechanical stresses
- 2 Relaxing effect**  
By increasing local heat, thereby promoting muscle relaxation
- 3 Stabilisation/immobilisation of the cervical spine**  
Varies depending on the degree of rigidity
- 4 Stimulation of proprioception**  
By reinforcing control sensations from the spinal column

(1-2) American College of Rheumatology. Patients and Public, Patient Education – Neck Pain, American College of Rheumatology. [Consulted on 24 February 2009].[www.rheumatology.org](http://www.rheumatology.org)

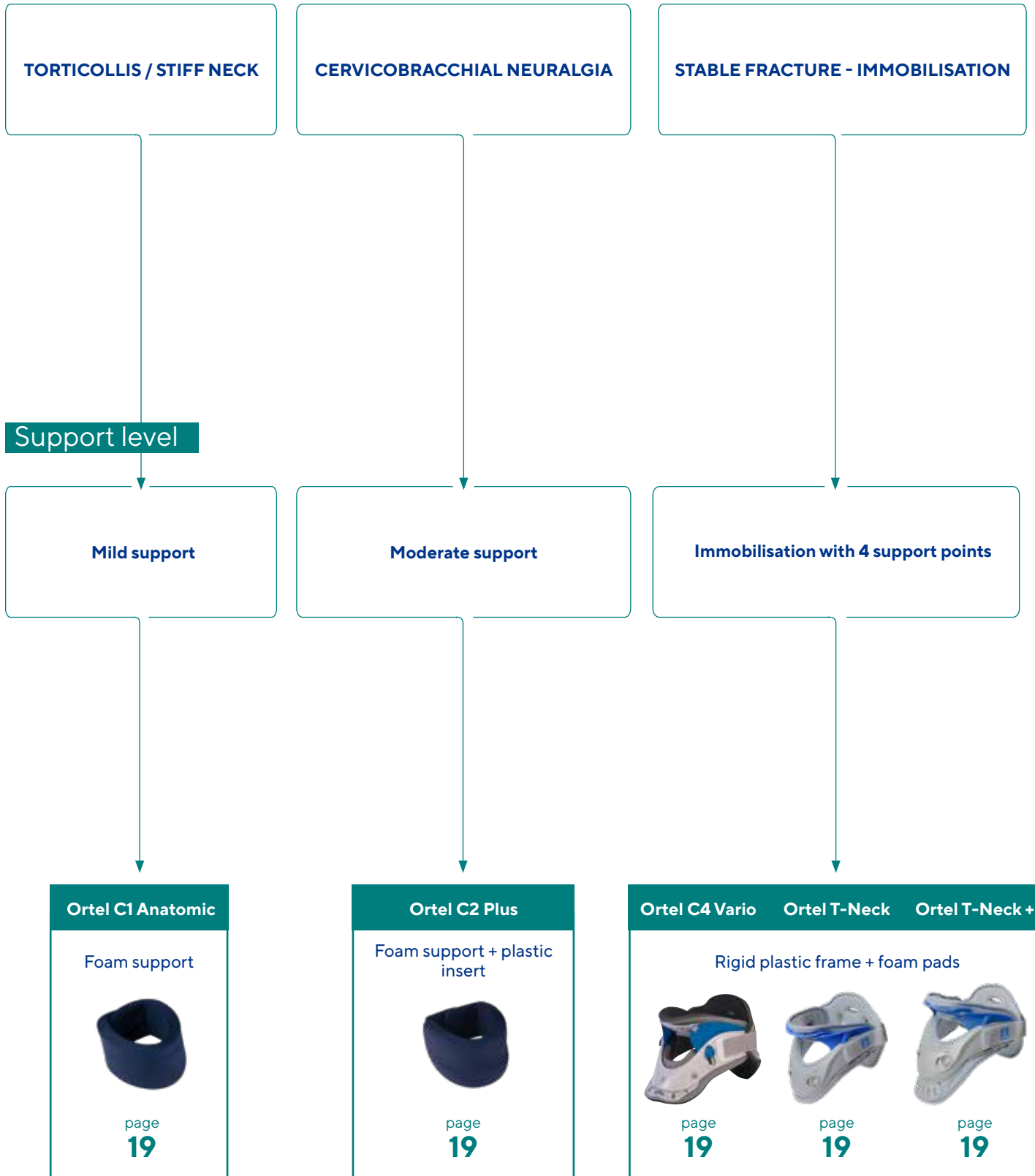
(3) Côté P, Cassidy JD, et al. The annual incidence and course of neck pain in the general population: a population-based cohort study. *Pain*. 2004 Dec;112(3):267-73.

(4) Léna, P. (2013). Le cou, première victime de la vie au bureau. (The neck, the first victim of office life). *Le figaro santé*.

(5) Passeport santé. (s.d.). Les symptômes, les personnes à risque et les facteurs de risque des troubles musculosquelettiques du cou (entorse cervicale, torticolis). (Symptoms, people at risk and risk factors for musculoskeletal disorders of the neck (cervical sprain, torticollis). Consulted on Passeport santé: <https://www.passeportsante.net/fr/Maux/Problemes/Fiche.aspx?doc=troubles-musculosquelettiques-cou-pm-symptomes-des-douleurs-au-cou>

# NECK | Which solution for which condition?

## Which prescription?



## Ortel C1 Anatomic

Anatomical foam cervical collar

239403



### MAIN INDICATIONS

- Torticollis (stiff neck).
- Post-operative use.

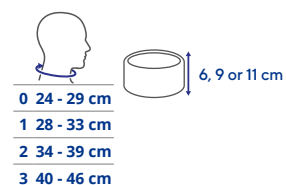
### MAIN FEATURES

**Support:** anatomically-shaped support foam.

**Comfort:** removable and washable cover.

**Ease of application:** precise self-fastening adjustment.

**Colours:** available in black-blue or beige.



## Ortel C2 Plus

Semi-rigid cervical collar

239205



### MAIN INDICATIONS

- Cervicobrachial neuralgia.
- Cervical osteoarthritis.

### MAIN FEATURES

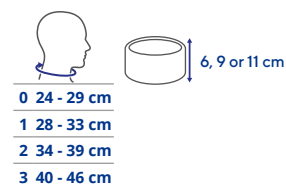
**Stabilisation:** light, aerated semi-rigid structure.

**Comfort:** anatomically-shaped support foam.

Removable and washable cover.

**Ease of application:** precise self-fastening adjustment.

**Colours:** available in black-blue or beige.



## Ortel C4 Vario

Cervical collar for immobilisation

T492802



### MAIN INDICATIONS

- Traumatic conditions: sprain, post-operative immobilisation.
- Degenerative conditions: cervical arthritis.

### MAIN FEATURES

**Reinforced support:** rigid structure combines anterior shell with chin rest and sternal pad, and posterior shell with high occipital and dorsal supports.

**Comfort:** removable and washable foam padding.

**Anterior opening:** facilitates access to trachea.

**Precise fit:** height-adjustable from 9 to 16 cm.



Legal manufacturer: Thuasne Deutschland GmbH

## Ortel T-Neck / Ortel T-Neck plus

Cervical collar for reinforced immobilisation

T49100

Cervical collar for reinforced immobilisation with occipital support

T49105



### MAIN INDICATIONS - Ortel T-Neck

- Moderate to severe cervical syndrome.
- Cervical spine radicular pain.
- Severe whiplash injury.
- Moderate to severe cervical syndrome.
- Stable, non-displaced vertebral fractures. (without neurological symptoms).

### MAIN INDICATIONS - Ortel T-Neck plus

- Pre-op, post-op, post-traumatic use.
- Inflammatory conditions.
- Degenerative conditions.
- Severe instabilities of the cervical spine.
- Stable, non-displaced vertebral fractures. (without neurological symptoms).

### MAIN FEATURES

**Immobilisation:** rigid frame and reinforced two-part structure comprising chin, sternal, occipital and dorsal supports.

**Comfort:** lightweight structure with foam pads.

**Precise fit:** 5-step height adjustable chin rest (and adaptable sternal extension for T-Neck plus).

**Anterior opening:** facilitates access to trachea.

**Ease of application:** simple, one-hand height adjustment.

**Universal size.**



Legal manufacturer: Thuasne Deutschland GmbH

# Did you know?

**1 500** is the number of times our backs have to work every day.<sup>1</sup>

**80%** of the population will suffer from low back pain once in their lifetime.<sup>2</sup>

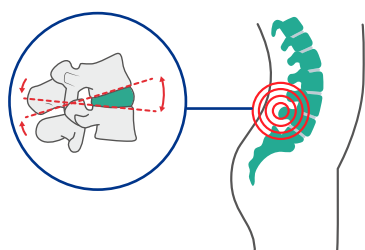
**Movement** is one of the **treatments recommended** by the **French National Authority for Health (HAS)** for **low back pain**.



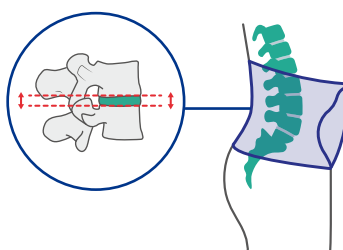
# BACK

## LUMBAR BELTS: WHAT BENEFITS?

- 1 Relieve the lumbar zone**  
Increase in intra-abdominal pressure

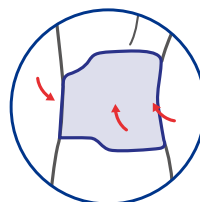


Pain-relieving effect due to compression



Better distribution of load on intervertebral discs

- 2 Promote a pain-relieving position (posture correction) and limit extreme, painful movements**



- 3 Aid early remobilisation and reduce apprehension about everyday activities**

(1) The median number of spinal movements performed within 24 h was approximately 4 400. Source :Rohmann A, Cons Müller T, Dreischarf M, Bashkuev M, Disch A, Pries E, Duda GN, Schmidt H. Measurement of the number of lumbar spinal movements in the sagittal plane in a 24-hour period. *Eur Spine J.* 2014 Nov;23(11):2375-84. doi: 10.1007/s00586-014-3588-0. Epub 2014 Sep 20. PMID: 25238799.

(2) HAS «Haute Autorité de Santé» (French Health Agency) 2019 - Data for French population.

# SPINAL | Which solution for which condition?

## Which prescription?

LUMBAR SUPPORT

## Which condition?

Acute low back pain

Subacute/chronic low back pain

## Which activity?

● ○ ○ ○ ○

● ● ○ ○ ○

Sedentary

● ● ● ○ ○

● ● ● ○ ○

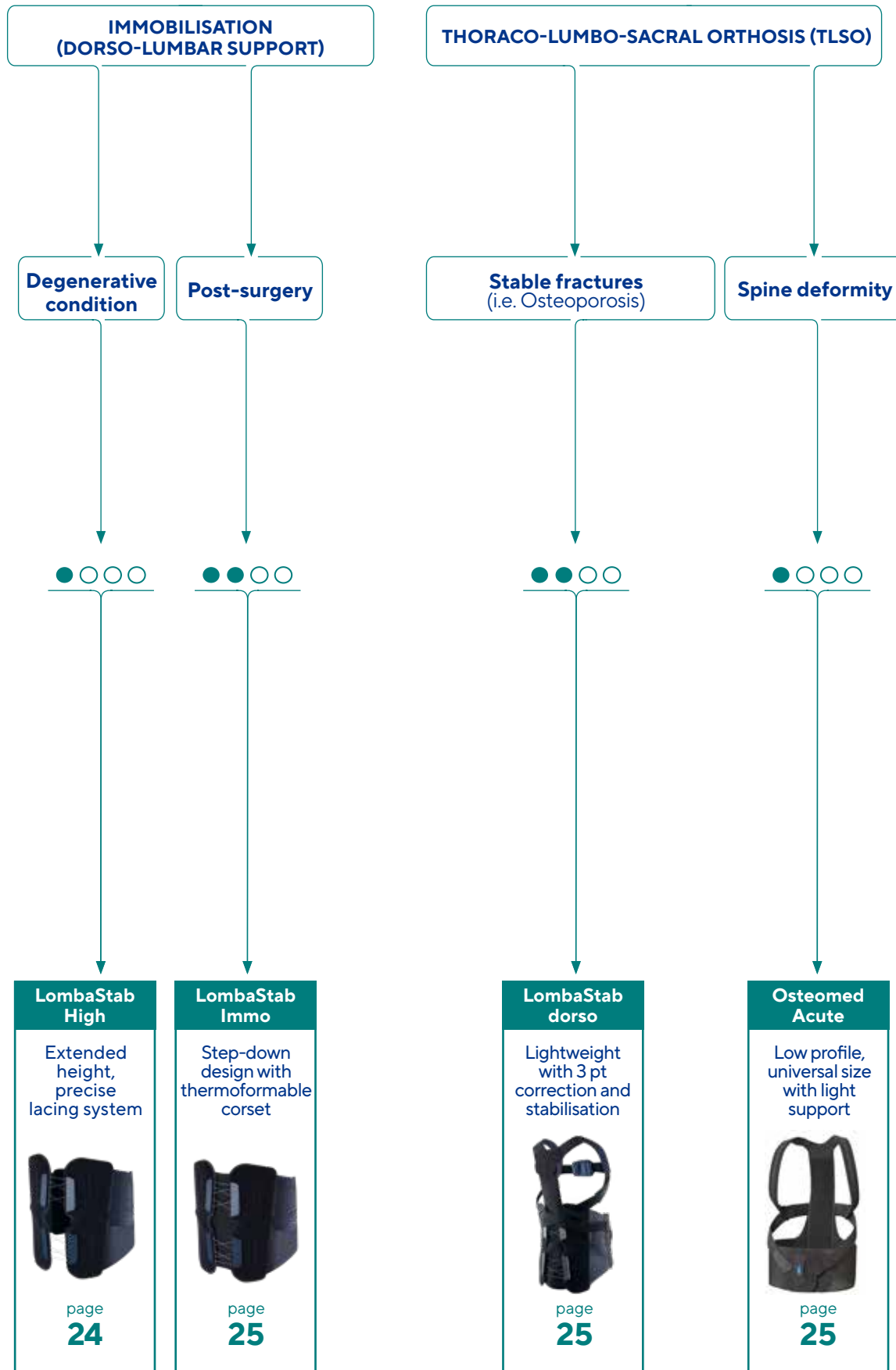
● ● ● ● ●

Outdoor leisure activity

Atypical morphology

LombaFirst	LombaStart	LombaSkin	Lombatech®	LombaStab	Lombacross Activity
					
page 27	page 27	page 27	page 26	page 24	page 26

- Mild ● ○ ○ ○ ○
- Moderate ● ● ○ ○ ○
- High ● ● ● ○ ○
- Intense ● ● ● ● ○





## LombaStab

Lumbar support with easy and precise tightening<sup>(1)</sup>

**085302 (26 cm) / 085402 (21 cm)**

### MAIN INDICATIONS


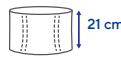
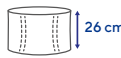
- Non-specific low back pain (acute, subacute, chronic).
- Spinal stenosis.

### Patient profile

Patients in prolonged standing position.  
Patients lacking strength.

### MAIN FEATURES

- 1 Easy and precise tightening<sup>(1)</sup>:** wire lacing system with easy-grip handles.
  - 2 Adapts to the anatomy:** 4 conformable dorsal stays and independent back plates.
  - 3 Ease of application:** symmetrical hand loops to ensure lumbar support is properly centred on the spine.
  - 4 Comfort:** specific Lombastab elastic fabric with breathable Coolmax<sup>(2)</sup> lining.
- Easy care:** machine-washable at 30°C.

		
<b>1</b>	<b>60 - 80 cm</b>	
<b>2</b>	<b>75 - 95 cm</b>	
<b>3</b>	<b>90 - 110 cm</b>	
<b>4</b>	<b>105 - 125 cm</b>	
<b>5</b>	<b>120 - 140 cm</b>	

(1) Study conducted in-house on a panel of 13 people, July 2019.

(2) <https://coolmax.com/en/>



## LombaStab High

Dorso-lumbar support with easy and precise tightening<sup>(1)</sup>


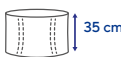
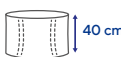
**085501 (35 cm) / 085601 (40 cm)**

### MAIN INDICATIONS

- Spinal stenosis.
- Spondylolysis/spondyloarthrosis.
- Stable vertebral fracture (osteoporotic).
- Osteochondrosis/Scheuermann's disease.
- Spondylolisthesis.

### MAIN FEATURES

- Easy and precise tightening<sup>(1)</sup>:** wire lacing system with easy-grip handles.
- Adapts to the anatomy:** 4 conformable dorsal stays and independent back plates.
- Ease of application:** symmetrical hand loops to ensure lumbar support is properly centred on the spine.
- Comfort:** specific Lombastab elastic fabric with breathable Coolmax<sup>(2)</sup> lining.
- Easy care:** machine-washable at 30°C.

		
<b>1</b>	<b>60 - 80 cm</b>	
<b>2</b>	<b>75 - 95 cm</b>	
<b>3</b>	<b>90 - 110 cm</b>	
<b>4</b>	<b>105 - 125 cm</b>	
<b>5</b>	<b>120 - 140 cm</b>	

(1) Study conducted in-house on a panel of 13 people, July 2019.

(2) <https://coolmax.com/en/>





## LombaStab Immo

Dorso-lumbar support with corset & easy and precise tightening<sup>(1)</sup>

085901

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute and chronic phases).
- Lumbar-spinal stenosis.
- Spondylolysis.
- MODIC type 1 discopathy.

### MAIN FEATURES

**Easy and precise tightening<sup>(1)</sup>:** wire lacing system with easy-grip handles.


**Adapts to the anatomy:** 4 conformable dorsal stays and independent back plates.

**Ease of application:** symmetrical hand loops to ensure lumbar support is properly centred on the spine.

**Comfort:** specific Lombastab elastic fabric with breathable Coolmax<sup>(2)</sup> lining.

**Step-down design:** thermoformable and removable corset with removable 3D mesh cover.

**Easy care:** machine-washable at 30°C.



1	60 - 80 cm
2	75 - 95 cm
3	90 - 110 cm
4	105 - 125 cm
5	120 - 140 cm

(1) Study conducted in-house on a panel of 13 people, July 2019.

2) <https://coolmax.com/en/>



## LombaStab Dorso

TLSO with easy and precise tightening<sup>(1)</sup>

084701

### MAIN INDICATIONS

- Stable vertebral fracture (traumatic and osteoporotic).
- Scheuermann's disease.
- Static disorders (kyphosis, lordosis).

### MAIN FEATURES

**Easy and precise tightening<sup>(1)</sup>:** wire lacing system with easy-grip handles.


**Adapts to the anatomy:** conformable and height-adjustable back straightener (from 36 cm to 61 cm) adapts to patient size.

**Hyperextension:** achieved by back frame, sternal support and shoulder straps.

**Ease of application:** symmetrical hand loops to ensure lumbar support is properly centred on the spine.

**Comfort:** specific LombaStab elastic fabric with breathable Coolmax<sup>(2)</sup> lining and S-shaped and padded shoulder straps prevent armpit friction.

**Easy care:** machine-washable at 30°C.



1	60 - 80 cm
2	75 - 95 cm
3	90 - 110 cm
4	105 - 125 cm
5	120 - 140 cm

(1) Study conducted in-house on a panel of 13 people, July 2019.

(2) <https://coolmax.com/en/>



## Osteomed Acute

Osteoporosis orthosis

T548803

### MAIN INDICATIONS

- Osteoporosis.
- Scheuermann's disease.
- Static disorders (kyphosis, lordosis).

### MAIN FEATURES

**Adjustable:** adapts easily to patient's size and shape, additional straps can be trimmed.

**Posture correction:** height-adjustable back straightener, can be adapted to the patient's lordosis.

**Ease of application:** ergonomic hand loops, simple strapping system.

**Universal size.**



## Lombacross Activity

Reinforced<sup>(1)</sup> lumbar support

083601 (21 cm) / 083503 (26 cm)

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute, chronic).
- Spinal stenosis.

### Patient profile

Patients who perform intensive physical activities, heavy duty workers (heavy loads, etc.).

### MAIN FEATURES

**Strong compression & reinforced support:** additional reinforced strap<sup>(1)</sup>.

**Anatomical design:** specific shape on hips, ribs and abdominal areas.

**Comfort:** breathable and moisture-evacuating patented Combitec<sup>(2)</sup> fabric.

**Ease of application:** hand loops to ensure lumbar support is properly positioned on the spine.

**Easy care:** machine-washable at 40 °C.

- 21 cm height: available in black or white

- 26 cm height: available in black, white or beige

		21 cm
1	52 - 62 cm	
2	63 - 74 cm	
3	75 - 89 cm	
4	90 - 105 cm	
5	106 - 120 cm	
6	121 - 140 cm	

(1) Thanks to additional reinforced strap. The additional strap is doubled to provide more compression than a single strap.  
 (2) OC1806 In-house study report, 2019



## Lombatech®

Adaptable, reinforced lumbar support

085202 (21 cm) / 085103 (26 cm)

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute, chronic).
- Spinal stenosis.

### Patient profile

Atypical body type: wide hips, overweight.

### MAIN FEATURES

① **Adaptable design:** 4 independent dorsal stays adapt to various body types and activity levels.

② **Targeted pain relief:** removable additional strap can be positioned according to painful area.

③ **Comfort:** breathable and moisture-evacuating patented Combitec<sup>(1)</sup> fabric with Coolmax<sup>(2)</sup> lining.

④ **Extensive coverage:** broad sizing range to fit a wide variety of patients.

**Ease of application:** hand loops to ensure lumbar support is properly positioned on the spine.

**Easy care:** machine-washable at 30 °C.

		21 cm
1	60 - 75 cm	
2	76 - 94 cm	
3	95 - 115 cm	
4	116 - 140 cm	
5	140 - 160 cm	



(1) OC1806 In-house study report, 2019  
 (2) <https://coolmax.com/en/>



## LombaSkin

Lumbar support with "second skin" effect<sup>(1)</sup>

087103 (21 cm) / 087003 (26 cm)

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute, chronic).
- Spinal stenosis.

### Patient profile

Sedentary patients

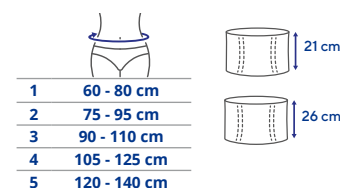
### MAIN FEATURES

- 1 "Second skin" effect: comfort, breathable and moisture-evacuating patented Combitec fabric<sup>(1)</sup>.
- 2 Low-profile: thin fabric with seamless and edgeless design.
- 3 Ease of application: hand loops to ensure lumbar support is properly positioned on the spine.

Adapts to the anatomy: specific design and 4 conformable dorsal stays.

Easy care: machine-washable at 30°C.

Available in black or beige.



(1) OC1806 In-house study report, 2019



## LombaStart

Lumbar support with additional strap

087402 (21 cm) / 087302 (26 cm)

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute, chronic).
- Spinal stenosis.

### MAIN FEATURES

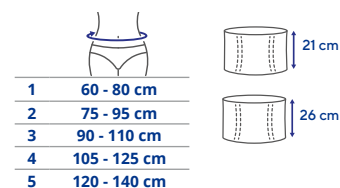
Adaptable compression : additional strap.

Low-profile: thin fabric with seamless and edgeless design.

Adapts to the anatomy : 4 conformable dorsal stays.

Ease of application: hand & thumb loops to ensure support is properly positioned on the spine.

Easy care: machine-washable at 30 °C.



## LombaFirst

Lumbar support

087602 (21 cm) / 087502 (26 cm)

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute, chronic).
- Spinal stenosis.

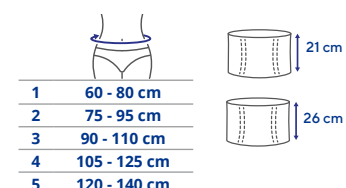
### MAIN FEATURES

Low-profile: thin fabric with seamless and edgeless design.

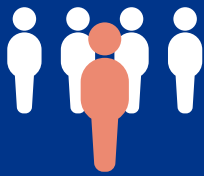
Adapts to the anatomy: 4 conformable dorsal stays.

Ease of application: hand & thumb loops to ensure support is properly positioned on the spine.

Easy care: machine-washable at 30 °C.



# Did you know?



**14 to 20%**  
**of the population**

say they are suffering from  
shoulder pain on any given day<sup>(1)</sup>

The shoulder is one of the areas of the body  
most affected by repetitive strain injuries (RSI),  
particularly rotator cuff tendinitis.

---

**Collar bone fracture:**

**Children are the most affected**  
(almost half of all collar bone fractures),  
followed by men under the age of 30,  
due to sports injuries<sup>(2)</sup>



# SHOULDER - ELBOW

## SHOULDER IMMOBILISERS & ARM SLINGS: WHAT BENEFITS?

Thus as shoulder braces can be modular, depending on the models, and accompany patients from the post-traumatic or post-operative immobilisation phase right through to rehabilitation and recovery. There are two different types of immobilisation:

- 1 Immobilisation in neutral position** following trauma or surgery
- 2 Functional immobilisation** for rehabilitation and gradual resumption of shoulder movement and/or function

The physician decides on the immobilisation duration on the basis of the severity of the trauma, its nature and the type of associated damage. Prolonged strict immobilisation can have significant consequences, such as stiffness. It is for this reason that the initiation of a gradual, adapted rehabilitation programme designed to restore pain-free, unrestricted function is recommended<sup>(2)</sup>.

(1) T.Marc, T.Gaudin, J.Teissier, & F.Bonnel. (s.d.). «Pathologie de la coiffe des rotateurs et TMS. Le muscle Nouveaux concepts. Anatomie - Biomécanique - Chirurgie - Rééducation». ("Rotator Cuff Pathology and TMS. The muscle New concepts. Anatomy - Biomechanics - Surgery - Rehabilitation"). 2018. <https://www.sfre.org/pathologie-de-la-coiffe-des-rotateurs-et-tms/>

(2) Fracture de la clavicule. (Clavicle fracture) (s.d.). [Online]: <http://www.physiotherapiepourous.com/fracture/la-fracture-de-la-clavicule/> \*HAS, (French National Authority for Health), professional guidelines - Criteria for rehabilitation and referral follow-up in the outpatient or follow-on or rehabilitative care setting after rotator cuff rupture surgery and shoulder joint replacements - 2008.

# SHOULDER

Which shoulder immobiliser for **which condition** ?

## Which prescription?

**GLENOHUMERAL IMMOBILISATION  
IMMOBILISATION IN NEUTRAL POSITION**

**SHOULDER  
AND ELBOW  
IMMOBILISATION  
WITH 30°  
ABDUCTION**

**CLAVICULAR  
STRAPS**

## Which indication?

**Shoulder/elbow  
immobilisation  
post-trauma/  
post-op**

**Shoulder trauma  
Post-operative  
rehabilitation**

**Post-operative  
immobilisation**

**Collar bone  
fracture**

**ImmoClassic ImmoVest**



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**ImmoClassic**



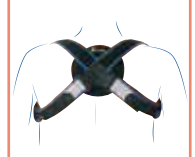
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**ImmoClassic+**



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**Ligaflex®**



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**32**

# ELBOW | Which elbow brace for **which condition** ?

Which **prescription**?

**ELBOW BRACE**

Which **indication**?

**Epicondylitis (Tennis Elbow)**  
**Epitrochleitis (Golfer's Elbow)**

**Silistab® Epi**



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**Epi-med**



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**33**

**Condylex**



page  
**33**



## ImmoClassic

Shoulder Immobiliser with armsling

244701

### MAIN INDICATIONS

- Shoulder and/or elbow injuries.
- Post-op immobilisation: rotator cuff repair, dislocation reduction.
- Prevention/treatment of shoulder subluxation or dislocation (joint instability).
- Non-surgical fractures of the clavicle and/or scapula.
- Conservative treatment for non-surgical proximal humeral fractures.



1	25 - 35 cm
2	35 - 45 cm

### MAIN FEATURES

**Immobilisation:** foam sling supports forearm and elbow in neutral position (arm against torso).

**Ease of adjustment:** adaptable shoulder strap for personalised fit.

**Comfort:** adjustable foam pad provides neck protection.

Bilateral model.



## ImmoClassic +

Adjustable shoulder immobiliser with 20° abduction pillow

244801

### MAIN INDICATIONS

- Post-op immobilisation: rotator cuff repair, dislocation reduction.

### MAIN FEATURES

**Specific immobilisation:** ergonomic 20° abduction pillow maintains upper limb in abduction.

**Modular design:** trimmable straps system.

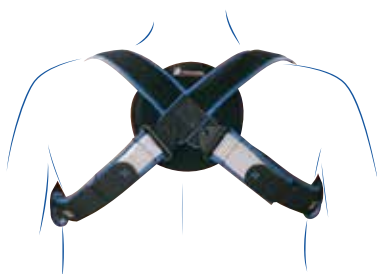
**Comfort:** low-cut arm sling makes for a lighter device and adjustable foam pad provides neck protection.

**Universal size.**

Bilateral model.



1	25 - 35 cm
2	35 - 45 cm



## Ligaflex® Clavicular Straps

Clavicular immobilisation straps

245002 (Adult) / 264002 (Junior)

### MAIN INDICATIONS

- Non-surgical clavicle fractures.

### MAIN FEATURES

**Stabilisation:** 2 dorsal cross-straps fastened onto an anchoring pad provide stability.

**Adaptable design:** adjustable and trimmable straps for personalised fit.

**Ease of adjustment:** simultaneous tightening of the straps helps stabilise the clavicles.

**Available in Adult or Junior model.**

**Universal size:** product to be cut to the patient's shoulder width.



Adult	26 cm to >50 cm
Junior	20 cm to 34 cm



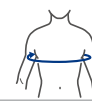
## ImmoVest

Shoulder Immobiliser with reinforced protection

244103

### MAIN INDICATIONS

- Shoulder and/or elbow injuries.
- Post-op immobilisation: rotator cuff repair, dislocation reduction.
- Prevention/treatment of shoulder subluxation or dislocation (joint instability).
- Non-surgical fractures of the clavicle and/or scapula.
- Conservative treatment for non-surgical proximal humeral fractures.



1	< 85 cm
2	86 - 95 cm
3	96 - 105 cm
4	> 105 cm

### MAIN FEATURES

**Shoulder immobilisation vest:** provides shoulder and/or elbow immobilisation in neutral/internal rotation.

**Adjustable:** removable strap for reinforced immobilisation when required.

**Reinforced protection:** anatomical, wraparound design, covering the shoulder and elbow.

**Comfort:** padded foam structure.

Bilateral model.





## Silistab® Epi

Anti-epicondylitis elbow brace

230503

### MAIN INDICATIONS

- Treatment of lateral or medial epicondylitis (tennis/golfer's elbow).
- Prevention of elbow tendinopathy recurrence.
- Support for physical activity resumption.

### MAIN FEATURES

**Proprioceptive effect:** compressive knit and targeted pressure (silicone inserts).

**Adjustable pressure:** additional removable strap.

**Comfort:** anatomically-shaped knit with comfort areas on the epicondyles.

**Ease of application:** patented pull tabs.

**Bilateral model.**



1	19 - 22 cm
2	22 - 25 cm
3	25 - 28 cm
4	28 - 31 cm
5	31 - 34 cm
6	34 - 37 cm



## Epi-med

Rigid anti-epicondylitis armband

T480013

### MAIN INDICATIONS

- Epicondylitis.
- Elbow sprains.
- Post-traumatic, post-operative and chronic inflammation.
- Joint swelling and oedema linked to arthritis and joint disease.

### MAIN FEATURES

**Targeted pressure:** adjustable pressure via self-fastening strap.

**Comfort:** felt lining for daily wear.

**Ease of adjustment:** elastic self-fastening closure.

**Bilateral model.**



XS	22 - 23 cm
S	24 - 25 cm
M	26 - 27 cm
L	28 - 30 cm
XL	31 - 34 cm

Legal manufacturer: Thuasne Deutschland GmbH



## Condylex

Anti-epicondylitis armband

700702

### MAIN INDICATIONS

- Treatment of lateral or medial epicondylitis (tennis/golfer's elbow).
- Prevention of elbow tendinopathy recurrence.
- Support for physical activity resumption.

### MAIN FEATURES

**Comfort:** foam-lined armband.

**Ease of application:** self-fastening strap to adjust tightening.

**Bilateral model.**



1	22 - 26 cm
2	27 - 32 cm



# Did you know?

**Carpal tunnel syndrome**, due to median nerve compression, represents almost all repetitive strain injuries of the wrist<sup>(1)</sup>. It is caused by repeated flexion/extension movements, tight gripping, pressure on the palm and vibrations (vibrating tools), etc.



**1/4 pregnant women**

are affected by carpal tunnel syndrome. In this case, the trigger is fluid retention, causing the tissues to swell and compress the median nerve<sup>(1)</sup>.



**Wrist fractures**



**130,000**

is the number of wrist fractures every year, often due to a fall<sup>(2)</sup>.



**Finger injuries**



**Sport** is also one of the biggest causes of injury. For example, 3/4 of all handball injuries affect the fingers<sup>(3)</sup>.



# WRIST-THUMB

## MODE OF ACTION OF BRACES & SPLINTS



### **WRIST BRACE/SPLINT**

Varying degrees of immobilisation of the carpometacarpal joints. Used mainly for sprains, wrist instabilities, tendinitis of the wrist, carpal tunnel syndrome that has not undergone surgery and during the post-operative phase.



### **WRIST-THUMB BRACE/SPLINT**

Varying degrees of immobilisation of the carpometacarpal joints and the thumb. Used in the event of trauma (sprains and fractures), wrist and thumb instabilities, tendinitis of the wrist and De Quervain's tenosynovitis, basal joint arthritis of the thumb and during the post-operative phase.



### **THUMB BRACE/SPLINT**

Stabilisation of the thumb in the required therapeutic position. Mainly used in basal joint arthritis of the thumb or thumb sprains.



### **WRIST-FINGER BRACE/SPLINT**

Varying degrees of immobilisation of the metacarpophalangeal and interphalangeal joints. Used in the event of sprains, dislocations, non-displaced fractures or in the post-operative phase.

(1) Dr Guéniot, C. (2009, février). Le poignet victime de la crise. (The wrist victim of the crisis). Consulted on Doctissimo: [http://www.doctissimo.fr/html/sante/mag\\_2002/sem01/mag0308/dossier/sa\\_5162\\_canal\\_carpien\\_poignet.htm](http://www.doctissimo.fr/html/sante/mag_2002/sem01/mag0308/dossier/sa_5162_canal_carpien_poignet.htm).

(2) Allodocteurs (2016, octobre). Chutes : attention à la fracture du poignet. (Falls: watch out for wrist fractures). Consulted on Allodocteurs: [https://www.allodocteurs.fr/maladies/os-et-articulations/fractures/chutes-attention-a-la-fracture-du-poignet\\_114.html](https://www.allodocteurs.fr/maladies/os-et-articulations/fractures/chutes-attention-a-la-fracture-du-poignet_114.html)

(3) Knobloch K, Rossner D, Jagodzinski M, Zeichen J, Gössling T, Martin-Schmitt S et al. Prevention of school sport injuries-an analysis of ballsports with 2234 injuries. Sportverletz Sportschaden 2005;19:82-88

# WRIST, THUMB, FINGERS

Which **prescription?**

**THUMB**

**WRIST**

Which **condition?**

**Rhizarthrosis**

**Thumb sprain**

**Post-op/post-trauma**

**Without oedema**

**With oedema**

**Ligaflex® Rhizo**



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**Rhizo-pro**



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**Ligaflex® pro**



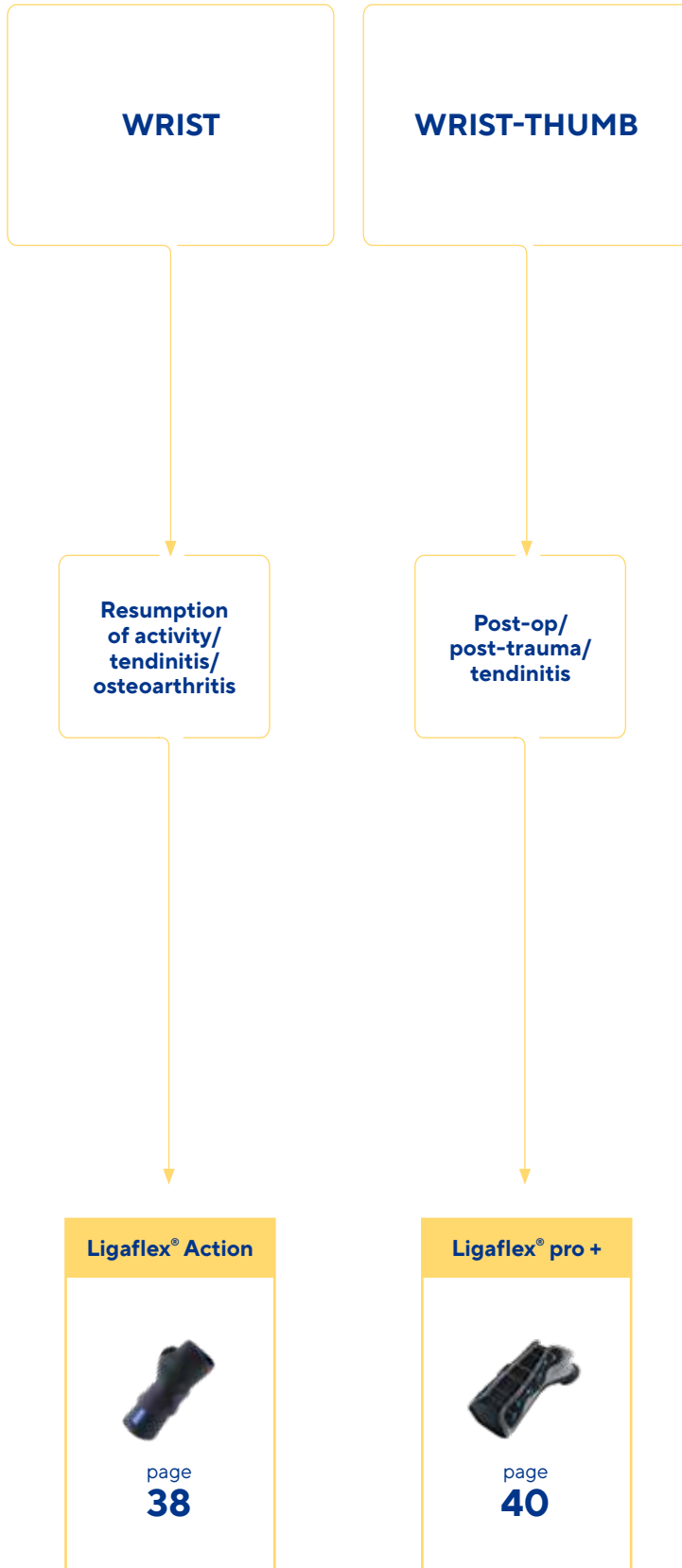
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**39**

**Ligaflex® Classic**



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**38**

Which brace for  
**which condition?**





## Ligaflex® Action

3D Knit wrist stabilising brace

243602

### MAIN INDICATIONS

- Wrist sprain.
- Wrist tendinopathies.
- Post-operative, post-traumatic residual pain and/or oedema.
- Wrist osteoarthritis.

### MAIN FEATURES

**Stabilisation:** rigid, anatomical, and conformable palmar stay stabilises the wrist joint.

**Proprioceptive effect:** elastic compressive 3D knit ensures proprioception.

**Comfort:** anatomically-shaped knit and insert on the ulnar head.

**Modular design:** removable palmar stay and additional strap to adjust compression level.

Available in right or left model.



1	14 - 15 cm
2	15 - 16 cm
3	16 - 17 cm
4	17 - 18 cm
5	18 - 19 cm
6	19 - 20 cm



## Dynastab® Dual

Wrist immobilisation splint - Short design

704002

### MAIN INDICATIONS

- Wrist sprain.
- Wrist tendinopathies.
- Wrist osteoarthritis.

### MAIN FEATURES

**Immobilisation:** rigid, anatomical, and conformable palmar stay and dorsal stay restrict joint movement.

**Comfort:** aerated lining for comfortable wear.

**Ease of adjustment:** removable strap to adapt compression level.

Bilateral model.



1	13 - 16 cm
2	16.5 - 19.5 cm
3	20 - 23 cm



## Ligaflex® Classic

Wrist immobilisation splint

243502

### MAIN INDICATIONS

- Post-operative or post-traumatic wrist immobilisation.
- Wrist sprains, non-surgical fractures.
- Wrist tendinopathies.
- Conservative treatment of carpal tunnel syndrome.
- Lateral epicondylitis.
- Rheumatoid arthritis.

### MAIN FEATURES

**Immobilisation:** rigid, anatomical, and conformable palmar stay restricts joint movement.

**Comfort:** aerated lining for comfortable wear.

**Ease of adjustment:** dual strap system ensures even compression.

Available in right or left model.



0	10 - 13 cm
1	13 - 15 cm
2	15.5 - 17.5 cm
3	18 - 20 cm
4	20.5 - 23 cm



## Ligaflex® Classic open

Wrist immobilisation splint - Open design

243702



### MAIN INDICATIONS

- Post-operative or post-traumatic wrist immobilisation.
- Wrist sprains, non-surgical fractures.
- Wrist tendinopathies.
- Conservative treatment of carpal tunnel syndrome.
- Lateral epicondylitis.
- Rheumatoid arthritis.

### MAIN FEATURES

**Immobilisation:** rigid, anatomical, and conformable palmar stay restricts joint movement.

**Comfort:** aerated lining for comfortable wear.

**Ease of application:** open design facilitates application and removal, useful in case of oedema.

Bilateral model.



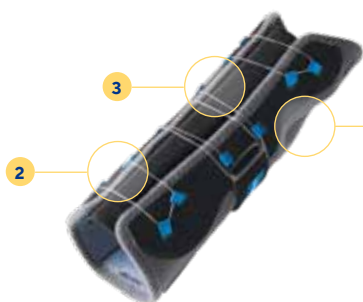
1	13 - 17 cm
2	17 - 23 cm



## Ligaflex® pro

Wrist immobilisation splint with Quick Lacing System<sup>(1)</sup>

243302



### MAIN INDICATIONS

- Post-operative or post-traumatic wrist immobilisation.
- Wrist sprains, non-surgical fractures.
- Wrist tendinopathies.
- Conservative treatment of carpal tunnel syndrome.
- Lateral epicondylitis.
- Rheumatoid arthritis.

### MAIN FEATURES

**1 Immobilisation:** rigid, anatomical, and conformable palmar stay restricts joint movement.

**2 Comfort:** aerated lining for comfortable wear.

**3 Ease of application:** patented Quick Lacing System<sup>(1)</sup> provides quick and even tightening.

Bilateral model.



1	13 - 17 cm
2	17 - 23 cm



## Rhizo-pro

Thumb immobilisation splint with rigid shell

T480273



### MAIN INDICATIONS

- Distortions, injuries (trauma).
- Instabilities of the ligaments.
- Post-operative immobilisation.
- Arthrosis/arthritis.

### MAIN FEATURES

**Immobilisation:** rigid plastic shell restricts thumb column movement.

**Comfort:** aerated lining for comfortable wear.

Bilateral model.

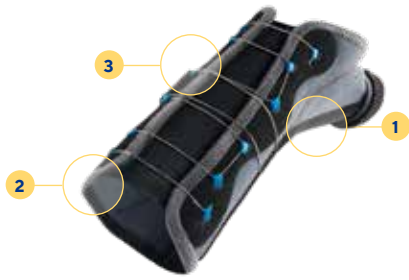


1	12 - 18.5 cm
2	16.5 - 22 cm



Legal manufacturer: Thuasne Deutschland GmbH

(1) CE Marking Data



## Ligaflex<sup>®</sup> pro +

Wrist and thumb immobilisation splint with Quick Lacing System<sup>(1)</sup>

243402

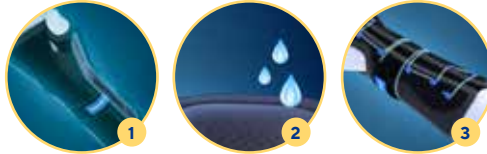
### MAIN INDICATIONS

- Post-operative or post-traumatic wrist/thumb immobilisation.
- Wrist and/or thumb sprains.
- Non-surgical scaphoid fracture.
- Wrist and/or thumb tendinopathies, including De Quervain tenosynovitis.
- Thumb/wrist osteoarthritis.
- Rheumatoid arthritis.

### MAIN FEATURES

- 1 Immobilisation:** rigid, anatomical, and conformable palmar and thumb stays restrict wrist and thumb movements.
- 2 Comfort:** aerated lining for comfortable wear.
- 3 Ease of application:** patented Quick Lacing System<sup>(1)</sup> provides quick and even tightening.

Available in right or left model.



(1) CE Marking Data



## Ligaflex<sup>®</sup> Manu

Wrist and thumb immobilisation splint

243002

### MAIN INDICATIONS

- Post-operative or post-traumatic wrist/thumb immobilisation.
- Wrist and/or thumb sprains.
- Non-surgical scaphoid fracture.
- Wrist and/or thumb tendinopathies, including De Quervain tenosynovitis.
- Thumb/wrist osteoarthritis.
- Rheumatoid arthritis.

### MAIN FEATURES

**Immobilisation:** rigid, anatomical, and conformable palmar and thumb stays restrict wrist and thumb joints movements.

**Comfort:** aerated lining for comfortable wear.

**Ease of adjustment:** dual strap system ensures even compression.

Available in right or left model.



## Ligaflex<sup>®</sup> Rhizo

Stabilising thumb brace

709002

### MAIN INDICATIONS

- Thumb osteoarthritis (including rhizarthrosis).
- Immobilisation in case of pain or trauma of the thumb.

### Patient profile

Patient with arthritis requiring support during the day.

### MAIN FEATURES

- 1 Stabilisation:** patented metallic wire stay maintains thumb joint in neutral position.
- 2 Comfort:** aerated lining for comfortable wear.
- 3 Pressure relief:** opening along the thumb to reduce risk of painful pressure.
- 4 Freedom of movement:** overall design sustains gripping and pinching movements and wrist range of motion.

**Ease of application:** 2 self-fastening straps facilitate application and removal.

Available in right or left model.







*Did you know?*

**Knee injuries are often linked to sports.**  
For example, 1/3 of skiing injuries involve the knee<sup>(1)</sup>

**30%** of **arthritis cases** concern  
the knee joint<sup>(2)</sup>



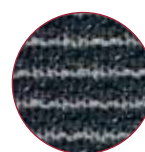
# KNEE

## MODE OF ACTION OF THE KNEE BRACES AND KNEE SPLINTS



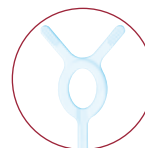
### PROPRIOCEPTIVE KNEE BRACE

Improved proprioception (perception of the body in space) via the use of a compressive knit



### PATELLAR KNEE BRACE

Patella supported by an insert (ring) and proprioceptive effect thanks to the compressive knit



### PATELLO-FEMORAL KNEE BRACE

Patella realignment in its physiological axis and proprioceptive effect thanks to compressive knit



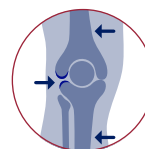
### LIGAMENT KNEE BRACE

Stabilises the knee via the use of flexible lateral stays or hinged reinforcements.



### RIGID LIGAMENT KNEE BRACE

Ligament stabilisation thanks to rigid articulated frame



### OFFLOADING KNEE BRACE

Offload of the damaged compartment thanks to a 3-point system



### KNEE SPLINT

Pain management and complete immobilisation of the knee



### CRYOTHERAPY KNEE BRACE

Helps reduce inflammation and oedema, helps relieve pain<sup>(3)</sup>

(1) «Winter sports accidentology. Association of mountain doctors». Winter 2012-2013.  
(2) French Society of Rheumatology, (2005). Report on osteoarthritis.  
(3) Internal CE marking data.

# KNEE | Which solution for which condition?

## Which prescription?

TRAUMATOLOGY / LIGAMENT INSTABILITY

## Which condition?

Mild to moderate sprain

Moderate to severe sprain

Severe sprain

## Which activity level?

● ● ● ○

● ● ○ ○

● ● ● ○

Rigid braces

● ● ● ● ● ● ○ ○ ● ○ ○ ○

**Ligastrap®  
Genu**

Strapping system



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**Genu  
Dynastab®**

Uprights + patella insert



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**Genu  
Ligaflex®**

Long and short versions



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**Rebel®  
Range**

With ROM control



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**GenuPro  
control**

With full locking system + ROM Control



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**53**

**Rebel®  
Lock**



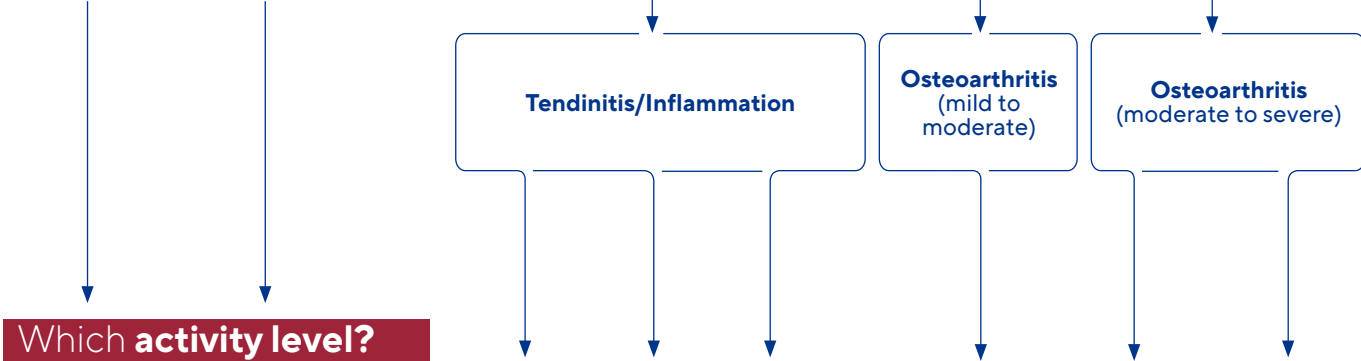
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Mild ● ○ ○ ○  
 Moderate ● ● ○ ○  
 High ● ● ● ●

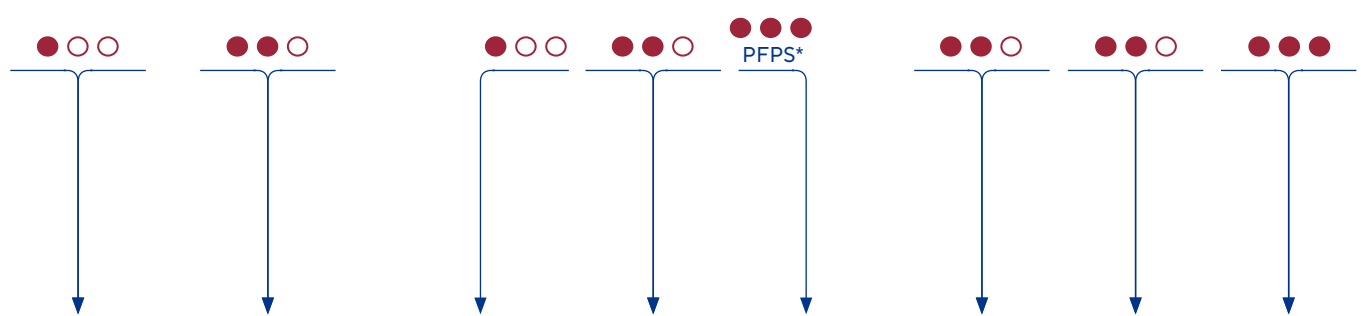
**Which prescription?**



**Which condition?**



**Which activity level?**



GenuSoft	GenuAction GenuExtrem	Silistab® Genu	GenuPro Comfort	Patella Reliever	Action Reliever	Uni Reliever™	Rebel Reliever®
							
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## GenuSoft

Proprioceptive elastic knee support

232003

### MAIN INDICATIONS

- Knee pain.

### MAIN FEATURES

**Support and proprioceptive effect:** due to compressive elastic knit (compression: 15-20 mmHg / 20.1-27 hPa).

**Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.



Product height  
20 to 22 cm

1	32 - 34 cm
2	35 - 37 cm
3	38 - 41 cm
4	42 - 45 cm
5	46 - 49 cm



## GenuAction

Proprioceptive elastic knee support

232503

### MAIN INDICATIONS

- Knee pain and/or swelling management.
- Proprioceptive support for rehabilitation.

### MAIN FEATURES

**Support and proprioceptive effect:** due to compressive elastic knit (compression: 20-36 mmHg / 27.1-48 hPa).

**Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.



Product height  
23 to 25.5 cm

0	28 - 31 cm
1	32 - 34 cm
2	35 - 37 cm
3	38 - 41 cm
4	42 - 45 cm
5	46 - 49 cm
6	50 - 53 cm



## GenuExtrem

Proprioceptive elastic knee support with lateral stays

232102

### MAIN INDICATIONS

- Knee pain and/or swelling management.
- Protection and prevention during sports activities.
- Proprioceptive support for rehabilitation.

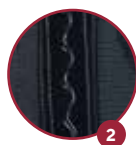
### MAIN FEATURES

- Support and proprioceptive effect:** due to compressive elastic knit (compression: 20-36 mmHg / 27.1-48 hPa).
- Support:** flexible lateral stays with anti-slip improving hold.
- Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.
- Ease of application:** patented pull tabs.



Product height  
23.5 to 25.5 cm

1	32 - 34 cm
2	35 - 37 cm
3	38 - 41 cm
4	42 - 45 cm
5	46 - 49 cm
6	50 - 53 cm



## GenuPro Comfort

Elastic patellar knee support

234604



### MAIN INDICATIONS

- Anterior knee or patella pain.
- Mild patellar instability.
- Patella tendinopathy (including jumper's knee syndrome).
- Knee pain and/or swelling management.
- Knee osteoarthritis (mild to moderate).

### MAIN FEATURES

- 1 Patella support:** AirFlex insert conforms to the patella via flexible structure with triangular-shaped pattern.
- 2 Support:** lexible lateral stays with anti-slip improving hold.
- 3 Softness and comfort:** pillow-soft viscose yarn\* and stretchable knit in popliteal area.
- 4 Ease of use and hold:** anatomically-shaped extensible knit with comfort zones, anti-slip and pull tabs.



0	35 - 37 cm	29.5 - 32 cm
1	37 - 41 cm	32 - 34.5 cm
2	41 - 45 cm	34.5 - 37 cm
3	45 - 50 cm	37 - 39.5 cm
4	50 - 55 cm	39.5 - 42 cm
5	55 - 61 cm	42 - 44.5 cm
6	61 - 67 cm	44.5 - 47 cm



\*Soft & Care : Technisens EH2798 study for Thuasne-February 2019. Ease of application and removal, comfort, softness and purchase intention for the Thuasne Soft&Care class 3 product



Following intense physical effort we recommend applying a cold pack onto the painful area to help alleviate the pain. Discover our range of **Argicalm®** reusable clay Hot/Cold Packs.

**Argicalm® Hot/Cold Pack**  
Reusable clay pack





## Silistab® Genu

Elastic patellar knee support

234005 (Open patella) / 234504 (Closed patella)

### MAIN INDICATIONS

- Anterior knee pain, patellar discomfort, mild osteoarthritis.

### MAIN FEATURES

**Patella support:** Y-shaped anatomical insert.

**Proprioceptive effect:** due to compressive elastic knit\* (compression: 15-20 mmHg /20.1-27 hPa).

**Support:** flexible lateral stays with anti-slip improving hold.

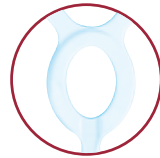
**Comfort:** anatomically-shaped extensible knit with comfort zones.

Available in open patella (white) or closed patella (black).



1	31 - 33 cm
2	34 - 36 cm
3	37 - 39 cm
4	40 - 42 cm
5	43 - 45 cm
6	46 - 48 cm

\*Contains natural latex



Patellar insert

## Patella Reliever

Hinged knee orthosis with patella realignment system

234801



Half-moon insert



### MAIN INDICATIONS

- Femoro-patellar osteoarthritis (mild to moderate).
- Anterior knee or patella pain.
- Patellar instability.
- Patella luxation and subluxation.
- Abnormal patella displacement (patella alta).
- Femoro-patellar pain syndrome and/or patella instability.
- Post-operative use (after Medial Patellofemoral Ligament reconstruction, lateral release).

### MAIN FEATURES

**Patella realignment:** half-moon insert and adjustable strap and lacing traction system.

**Ligament stabilisation:** 2 lateral hinged rigid uprights.

**Support and proprioceptive effect:** due to compressive elastic knit.

**Comfort:** anatomically-shaped extensible knit, with comfort zones.

**Hold:** silicone-coated threads at top edge of brace.

**Ease of application:** patented pull tabs.

Available in right or left leg model.



1	32 - 34 cm
2	35 - 37 cm
3	38 - 41 cm
4	42 - 45 cm
5	46 - 49 cm
6	50 - 53 cm



## Patellar bandage

230401



### MAIN INDICATIONS

- Patella joint or ligament inflammation and tendinopathy (runner's knee and jumper's knee syndrome).
- Mild patellar instability.
- Anterior knee or patella pain.

### MAIN FEATURES

**Patella support:** targeted pressure over patella tendon.

**Proprioceptive effect:** silicone insert with dimples provides massaging effect.



Universal size  
26 - 50 cm



## Action Reliever

Soft offloading knee brace

234901



### MAIN INDICATIONS

- Symptomatic unicompartmental femorotibial osteoarthritis (mild to moderate).
- Knee Offloading for post-traumatic, post-operative or degenerative conditions.
- Knee pain and/or swelling management.

### MAIN FEATURES

**Knee offloading:** adjustable 3-point leverage system with inelastic straps.

**Clinically proven efficacy<sup>(1)</sup>.**

**Patella support:** anatomical oval-shaped insert.

**Compression and proprioceptive effect:** due to compressive elastic knit.

**Lateral support:** 1 rigid upright and 1 flexible stay.

**Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.

**Hold:** silicone-coated threads at top edge of brace.

**Ease of application:** magnetic buckles and pull tabs.

**Available in 2 models:**

- left leg medial offloading / right leg lateral offloading
- right leg medial offloading / left leg lateral offloading

1	38 - 41 cm	32 - 34 cm	28 - 31 cm
2	42 - 45 cm	35 - 37 cm	32 - 35 cm
3	45 - 48 cm	38 - 41 cm	35 - 38 cm
4	48 - 51 cm	42 - 45 cm	39 - 42 cm
5	50 - 53 cm	46 - 49 cm	41 - 44 cm
6	53 - 56 cm	50 - 53 cm	44 - 47 cm
7	56 - 61 cm	53 - 56 cm	48 - 51 cm
8	61 - 66 cm	56 - 59 cm	51 - 54 cm



(1) Superiority of a knee relief orthosis in the treatment of knee OA. M. Benning & R. Schneider-Nieskens, 08/2017 orthopädie technik

## UniReliever™

Offloading single-upright knee brace

U03309



### MAIN INDICATIONS

- Symptomatic unicompartmental femorotibial osteoarthritis (moderate to severe).
- Knee Offloading for post-traumatic, post-operative or degenerative conditions.
- Joint instability/laxity.
- Alternative to osteotomy or leg misalignment surgery.

### MAIN FEATURES

**Knee offloading:** adjustable 3-point leverage system **1** with inelastic straps **2** and self-dosing adjustment **3**.

**Lateral support:** 1 rigid upright and 1 flexible stay. TM5+ hinge **4** that reproduces the natural movement of the knee\*.

**Motion control:** adjustment of extension (from 0° to 30°) and flexion (from 0° to 110° in option).

**Comfort:** 2 semi-rigid shells allowing an intimate fit to the patient's unique morphology.

**Hold:** inner silicon paddings (shells and straps).

**Ease of application:** self-dosing adjustment and colour-coded clip buckles.

**Available in 2 models:**

- left leg medial offloading / right leg lateral offloading
- right leg medial offloading / left leg lateral offloading



### Flexion/Extension limitations

Flexion (Optional)	0°	30°	45°	60°	75°	90°	110°
Extension	0°	5°	10°	15°	20°	30°	-



\* Internal CE marking data / A2S biomechanical study « Biomechanical study of the stride during use of different braces » 2020 on similar Rebel® device. Legal manufacturer:Thuasne Deutschland GmbH





# Rebel Reliever®

## Rigid offloading knee brace

U03309

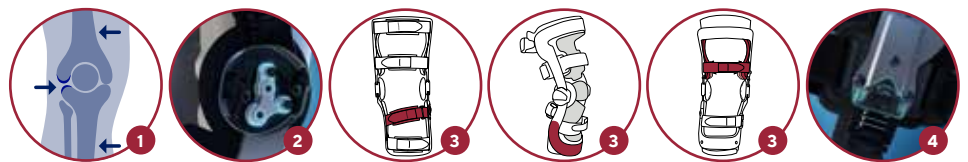


### MAIN INDICATIONS

- Symptomatic unicompartmental femorotibial osteoarthritis (moderate to severe).
- Knee Offloading for post-traumatic, post-operative or degenerative conditions.
- Joint instability/laxity.
- Alternative to osteotomy or leg misalignment surgery.
- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).

### MAIN FEATURES

- 1 Knee offloading<sup>(1)</sup>:** adjustable 3-point leverage system (Loadshifter technology) up to 9° in varus or valgus. Clinically proven efficacy<sup>(2)</sup>.
  - 2 Ligament stabilisation:** rigid frame with TM5+ hinge that reproduces the natural movement of the knee<sup>(3)</sup>.
- Motion control:** adjustment of extension (from 0° to 40°) and flexion (from 0° to 90°) with a tool-less system.
- 3 Hold:** synergistic suspension strap, tibia bolster to avoid rotation, C/S (Compression/Suspension) package to enhance support by preventing slipping.
- Comfort:** interior padding and condylar pads in foam.
- 4 Ease of application:** buckles and tool-less offloading setting (Snap Lock).
- Available in right or left leg model.



(1) Internal CE marking data  
 (2) Effect of unloading brace treatment on pain and function in patients with symptomatic knee osteoarthritis: The ROTOR randomized clinical trial. Thoumie P. et al, Scientific Report (2018) 8:10519. Improvements in Function and Strength with Decompressive Bracing of the Osteoarthritic Knee. E. Lamberg et al. Journal of Prosthetics and Orthotics. 28(4):173-179, Oct 2016.  
 (3) Internal CE marking data / A2S biomechanical study « Biomechanical study of the stride during use of different braces » 2020 on similar Rebel® device.

STANDARD SIZES	ATTENTION Knee width		
	15 cm	15 cm	15 cm
XS	31 - 39 cm	7.5 - 9 cm	28 - 32 cm
S	39 - 47 cm	9 - 10 cm	31 - 35 cm
M	47 - 53 cm	10 - 11.5 cm	34 - 38 cm
L	53 - 60 cm	11.5 - 12.5 cm	37 - 40 cm
XL	60 - 64 cm	12.5 - 14 cm	38 - 43 cm
XXL	64 - 71 cm	14 - 15.5 cm	43 - 48 cm



FITTED SIZES	ATTENTION Knee width		
	15 cm	15 cm	15 cm
S/XS	39 - 47 cm	9 - 10 cm	28 - 32 cm
S/M	39 - 47 cm	10 - 11.5 cm	34 - 38 cm
M/S	47 - 53 cm	10 - 11.5 cm	31 - 35 cm
M/L	47 - 53 cm	11.5 - 12.5 cm	37 - 40 cm
L/M	53 - 60 cm	11.5 - 12.5 cm	34 - 38 cm
L/XL	53 - 60 cm	12.5 - 14 cm	38 - 43 cm
XL/L	60 - 64 cm	12.5 - 14 cm	37 - 40 cm
XL/XXL	60 - 64 cm	14 - 15.5 cm	43 - 48 cm
XXL/XL	64 - 71 cm	14 - 15.5 cm	38 - 43 cm

Flexion/Extension limitations							
Flexion	0°	30°	45°	60°	75°	90°	-
Extension	0°	5°	10°	15°	20°	30°	40°

### SPARE PARTS FOR REBEL RELIEVER®

- Kit padding from XS to XXL (pads with strap pads, right or left): UU072
- Condylar pads (universal size and side): UU020001001
- Kit straps from XS/SM, MD/LG to XL/2XL, bilateral): UU033



## Ligastrap® Genu

Ligament knee brace with functional strapping

217003

### MAIN INDICATIONS

- Joint instability/laxity.
- Sport activities resumption.

### MAIN FEATURES

**Ligament stabilisation:** double strapping system and flexible side stays.

**Compression and proprioceptive effect:** due to compressive elastic knit (compression: 20-36 mmHg / 271-48 hPa).

**Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.

**Hold:** anti-slip system to prevent the knee brace slipping.

**Ease of application:** numbered dots on the straps and patented pull tabs.



1	32 - 34 cm
2	35 - 37 cm
3	38 - 41 cm
4	42 - 45 cm
5	46 - 49 cm
6	50 - 53 cm

Product height  
30 to 33 cm

## Genu Dynastab®

Hinged ligament knee brace

237006



### MAIN INDICATIONS

- Conservative treatment of knee ligament injuries (mild to moderate sprain).

### MAIN FEATURES

**Ligament stabilisation:** 2 rigid uprights with biaxial hinges and 3 staggered half-straps.

**Patella support:** anatomical oval-shaped insert.

**Compression & proprioceptive effect:** due to compressive elastic knit.

**Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.

**Hold:** silicone-coated threads at top edge of brace.

**Ease of application:** patented pull tabs.



1	32 - 34 cm
2	35 - 37 cm
3	38 - 41 cm
4	42 - 45 cm
5	46 - 49 cm
6	50 - 53 cm

Product height  
33 cm

## Genu Ligaflex®

Ligament knee brace with TM5 hinge

237505 (Open) / 237506 (Closed)



### MAIN INDICATIONS

- Conservative treatment of knee ligament injuries (moderate sprain).

### MAIN FEATURES

**1 Ligament stabilisation:** 2 rigid aluminium uprights with TM5 hinge that reproduces the natural movement of the knee\* and 4 staggered half-straps.

**Patella support:** anatomical insert (closed version).

**Compression & proprioceptive effect:** due to compressive elastic knit for the closed version, and due to the anatomically-shaped design and the straps for the open version.

**2 Comfort:** anatomically-shaped extensible knit with comfort zones over the patella and at the popliteal area.

**3 Hold:** silicone-coated threads at top edge of brace.

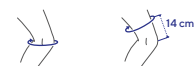
**4 Ease of application:** patented pull tabs, perforation markers on the straps, clip buckle system (open version).

**Available in:** open/closed - long 40cm/short 30cm versions



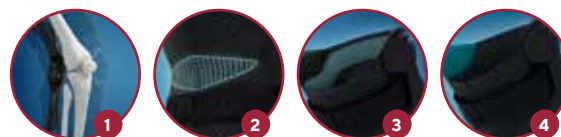
CLOSED VERSION	1	32 - 34 cm
	2	35 - 37 cm
	3	38 - 41 cm
	4	42 - 45 cm
	5	46 - 49 cm
	6	50 - 53 cm

Short  
30 cm  
Long  
40 cm



OPEN VERSION	1	32 - 34 cm	37.5 - 43.5 cm
	2	35 - 37 cm	40.5 - 46.5 cm
	3	38 - 41 cm	44 - 50 cm
	3+	38 - 41 cm	48 - 54 cm
	4	42 - 45 cm	48 - 54 cm
	4+	42 - 45 cm	52 - 58 cm
	5	46 - 49 cm	52 - 58 cm
	5+	46 - 49 cm	56 - 62 cm
	6	50 - 53 cm	56 - 62 cm
	6+	50 - 53 cm	60 - 66 cm

14 cm



\*Internal CE marking data

## Rebel® Range

### MAIN INDICATIONS

- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).
- Post-operative immobilisation and/or rehabilitation.
- Post-traumatic immobilisation.
- Joint instability/laxity (including for knee osteoarthritis).

### MAIN FEATURES

① **Ligament stabilisation:** prevention of abnormal translation and rotation movements of the tibia (aluminum rigid frame, anterior tibial bolster shell and TM5+ hinge that reproduces the natural movement of the knee\*).

② ③ **Suspension on the leg:** synergistic suspension strap, tibia bolster to avoid rotation.

**Motion control:** adjustment of extension (from 0° to 30°) and flexion (from 0° to 110°).

**Comfort:** interior padding and condylar pads in foam.

Available in right or left leg model.



### Rebel®

Hinged rigid ligament knee brace

**U03401**

### MAIN FEATURES

Medium stiffness aluminium



### Rebel® Standard

Hinged rigid ligament knee brace **U03002**  
Hinged rigid ligament knee brace with C/S pack **U03108**

### MAIN FEATURES

Medium stiffness aluminium  
C/S (Compression/Suspension) package to enhance support by preventing slipping (Optional)



XS	31 - 39 cm	7.5 - 9 cm	28 - 32 cm
SM	39 - 47 cm	9 - 10 cm	31 - 35 cm
MD	47 - 53 cm	10 - 11.5 cm	34 - 38 cm
LG	53 - 60 cm	11.5 - 12.5 cm	37 - 40 cm
XL	60 - 64 cm	12.5 - 14 cm	38 - 43 cm
XXL	64 - 71 cm	14 - 15.5 cm	43 - 48 cm
XXXL*	71 - 79 cm	15.5 - 16.5 cm	48 - 53 cm



\* Available on Rebel® Pro only

### Flexion/Extension limitations

Flexion (Optional)	0°	30°	45°	60°	75°	90°	110°
Extension	0°	5°	10°	15°	20°	30°	-



### Rebel® Lite

Hinged rigid ligament knee brace

**U003202**

### MAIN FEATURES

Low stiffness aluminium



### Rebel® Pro

Hinged rigid ligament knee brace

**U03102**

### MAIN FEATURES

High stiffness aluminium  
C/S (Compression/Suspension) package to enhance support by preventing slipping.



## Rebel® Lock

Hinged, rigid ligament knee brace with locking mechanism

U30202

### MAIN INDICATIONS

- Severe joint instability/laxity (including for knee osteoarthritis).
- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).
- Post-operative immobilisation and/or rehabilitation.
- Post-traumatic immobilisation.

### MAIN FEATURES

**Ligament stabilisation:** rigid frame with a 4-point stabilisation system and TM5+ hinge that reproduces the natural movement of the knee\*.

**Locking mechanism:** drop locks for an extension lock (0° and 5°) and a flexion lock (30°, 60° and 90°) with simple pressure.

**Suspension on the leg:** suspension strap, tibia bolster to avoid rotation, C/S (Compression/Suspension) package to enhance support by preventing slipping.

**Comfort:** interior padding and condylar pads in foam.

Available in right or left leg model.

	ATTENTION Knee width
S	8 - 9 cm
M	9 - 10 cm
L	10 - 11.5 cm
XL	11.5 - 13 cm
XXL	13 - 14 cm



\*Internal CE marking data / A2S biomechanical study  
«Biomechanical study of the stride during use of different braces» 2020 on similar Rebel® device.  
Legal manufacturer: Townsend Design / Thuasne USA.  
EC representative: MedEnvoy Global BV.

### Flexion/Extension limitations

<b>Flexion</b>	0°	30°	45°	60°	75°	90°	110°
<b>Extension</b>	0°	5°	10°	15°	20°	30°	-



## GenuPro control

Knee orthosis for bracing and stabilisation

T391001

### MAIN INDICATIONS

- Post-operative immobilisation and/or rehabilitation.
- Joint instability/laxity (including for knee osteoarthritis).
- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).
- Post-traumatic immobilisation.

### MAIN FEATURES

**Ligament stabilisation:** prevention of abnormal translation and rotation movements of the tibia (aluminum rigid frame, anterior tibial bolster shell and TM5+ hinge that reproduces the natural movement of the knee\*).

**Suspension on the leg:** suspension strap, tibia bolster to avoid rotation, C/S (Compression/Suspension) package to enhance support by preventing slipping.

**Motion control:** adjustment of extension (from 0° to 40°) and flexion (from 0° to 90°) with a tool-less system.

**Comfort:** interior padding and condylar pads in foam, split tibial padding for pressure relief.

**Ease of application:** quick release buckles with a low profile.

Available in right or left leg model.

	ATTENTION Knee width	ATTENTION Knee width	ATTENTION Knee width
S	39 - 47 cm	9 - 10 cm	31 - 35 cm
M	47 - 53 cm	10 - 11.5 cm	34 - 38 cm
L	53 - 60 cm	11.5 - 12.5 cm	37 - 40 cm
XL	60 - 64 cm	12.5 - 14 cm	38 - 43 cm
XXL	64 - 71 cm	14 - 15.5 cm	43 - 48 cm



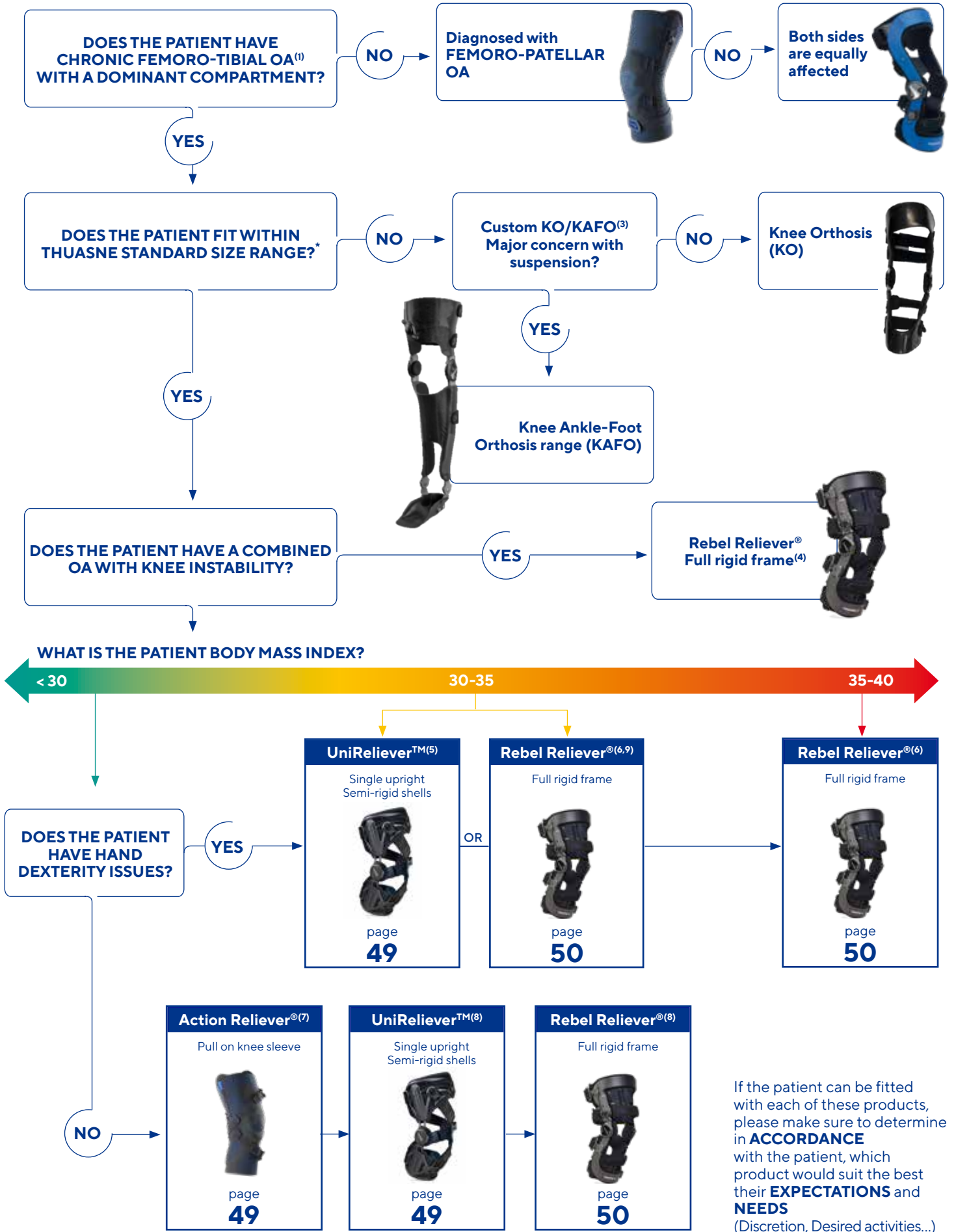
Product  
height:  
40.6 cm

\*Internal CE marking data / A2S biomechanical study  
«Biomechanical study of the stride during use of different braces» 2020 on similar Rebel® device.  
Legal manufacturer: Thuasne Deutschland GmbH

### Flexion/Extension limitations

<b>Flexion</b>	0°	30°	45°	60°	75°	90°	-
<b>Extension</b>	0°	5°	10°	15°	20°	30°	40°

■ KNEE BRACING / OSTEOARTHRITIS KNEE BRACES



\*Max thigh circumference = 71 cm/28"

<sup>(1)</sup> OA: Osteoarthritis

<sup>(2)</sup> See indications on the IFU of these products

<sup>(3)</sup> KO: Knee Orthosis / KAFO: Knee-Ankle-Foot orthosis

<sup>(4)</sup> Full rigid metallic frame with double upright

<sup>(5)</sup> Semi-rigid shells with a metallic upright

<sup>(6)</sup> Lamberg, Eric M., Robert Streb, Marc Werner, Ian Kremenic, and James Penna. 2016b. "The 2-and 8-Week Effects of Decompressive Brace Use in People with Medial Compartment Knee Osteoarthritis." *Prosthetics and Orthotics International* 40 (4): 447-453. + Full rigid metallic frame with double upright

<sup>(7)</sup> Soft close knitted product without shells (mild stabilization in case of weight). Need to be pulled on the leg

<sup>(8)</sup> Open product with quick buckles that can be put on the leg without stepping through or pulling on

<sup>(9)</sup> Thoumie Philippe, et al. "Effect of Unloading Brace Treatment on Pain and Function in Patients with Symptomatic Knee Osteoarthritis: The ROTOR Randomized Clinical Trial." *Scientific Reports* 8 (1): 10519.

## SpryStep® Ligament KO

Custom functional knee brace

U3350199999999



### MAIN INDICATIONS

- These indications are biomechanical deficits of neurological, traumatic, muscular or degenerative origin.
- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).
- Joint instability/laxity (including for knee osteoarthritis).

### PATIENT PROFILE

- Patients who require custom brace because of their anatomy and potential high-level activities.

### MAIN FEATURES

- **Made to patient:** custom fabricated from a model of the patient leg.
- **Digital workflow:** premanufacture report communicates the outcomes of the modelling process and identifies areas of attention for fitting.
- **Strength, lightness and intimate fit:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- **Ligament stabilisation:** prevention of abnormal translation and rotation movements of the tibia (composite rigid frame and TM5+ hinge that reproduces the natural movement of the knee<sup>(1)</sup>).
- **Suspension on the leg:** synergistic suspension strap.
- **Frame design:** available both in Full Shell and Uband style.
- **Motion control:** adjustment of extension (from 0° to 30°) and flexion in option (from 0° to 110°).
- **Comfort:** interior padding and condylar pads in foam.
- **Available with different options:** refer to the order form.

### MODES OF ACTION



Stabilisation



Motion control



## SpryStep® OA knee

Custom osteoarthritis knee brace

U3360199999999

### MAIN INDICATIONS

- These indications are biomechanical deficits of neurological, traumatic, muscular or degenerative origin.
- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).
- Joint instability/laxity (including for knee osteoarthritis).
- Symptomatic unicompartmental femoro-tibial osteoarthritis (moderate to severe).
- Knee offloading for post-traumatic, post-operative or degenerative conditions.
- Alternative to osteotomy or leg misalignment surgery.

### PATIENT PROFILE

- Patient who requires stability of the knee joint and offloading of the medial or lateral compartment of the knee joint due to OA, or specific unicompartmental conditions who may not fit an off-the-shelf brace because of their anatomy, or potentially who present a fixed varus or valgus degree.

### MAIN FEATURES

- **Made to patient:** custom fabricated from a model of the patient leg.
- **Digital workflow:** premanufacture report communicates the outcomes of the modelling process and identifies areas of attention for fitting.
- **Strength, lightness and intimate fit:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- **Knee offloading<sup>(0)</sup>:** adjustable 3-point leverage system (Loadshifter technology) up to 9° in varus or valgus. Correction can also be directly built into the frame.
- **Ligament stabilisation:** rigid frame with TM5+ hinge that reproduces the natural movement of the knee<sup>(2)</sup>.
- **Motion control:** adjustment of extension (from 0° to 30°) and flexion in option (from 0° to 110°).
- **Suspension on the leg<sup>(0)</sup>:** synergistic suspension strap, C/S (Compression/Suspension) package in option.
- **Frame design:** available both in Full Shell and Uband style.
- **Comfort:** interior padding and condylar pads in foam.
- **Available with different options:** refer to the order form.

### MODES OF ACTION



Offloading



Motion control



## SpryStep® Neuro Knee

### Custom locking knee brace

U3370199999999

Durable, versatile and lightweight<sup>(1)</sup>, the SpryStep® Neuro Knee combines the power of modern composite manufacturing and the trusted Thuasne® hinge technology. SpryStep® Neuro Knee features four shell configurations, two locking joint options, two possible frame designs and the ability to select Thuasne®'s C/S package, to ensure that the optimal support and durability is afforded to the user.

#### INDICATIONS

- These indications are biomechanical deficits of neurological, traumatic, muscular or degenerative origin.
- Conservative treatment of knee ligament injuries and/or ruptures (cruciate and/or lateral ligaments).
- Joint instability/laxity (including for knee osteoarthritis).
- Post-operative immobilisation or/and rehabilitation.
- Post traumatic immobilisation.
- Weakness of the knee flexor muscles  $\leq 3$ .
- Knee instability during stance phase.
- Quadriceps weakness.
- Knee hyperextension.

#### PATIENT PROFILE

- Patients with select neurological lower limb deficits.
- Patients with good control of distal muscles of foot and ankle, presenting quadriceps weakness requiring locking.
- Patients with good control of distal muscles of the foot and ankle but requiring more optimised control of knee hyperextension.

#### MAIN FEATURES

- **Made to patient:** custom fabricated from a model of the patient leg.
- **Digital workflow:** premanufacture report communicates the outcomes of the modelling process and identifies areas of attention for fitting.
- **Strength, lightness and intimate fit:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- **Frame design:** available both in Full Shell and Uband style.
- **Locking mechanism:** twist release or manual triggers.
- **Suspension on the leg:** synergistic suspension strap.
- **Comfort:** interior padding and condylar pads in foam.
- **Available with different options:** refer to the order form.

#### MODE OF ACTION



Stabilisation





THUASNE

# SpryStep<sup>®</sup> Ligament Knee

## Contact Information

Clinician    Fitter/Assistant/Tech    Other: \_\_\_\_\_  
Name: \_\_\_\_\_  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Ordering Clinician

CPO    CO    CP    Other: \_\_\_\_\_  
Name: \_\_\_\_\_  
Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Billing & Shipping

PO#:

Billing Account#: \_\_\_\_\_  
Shipping Account#: \_\_\_\_\_

Shipping Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## Shipping Preference

Ground    Next Day AM    Next Day PM    2-Day AM    2-Day PM

*(If no preference is indicated, this order will be shipped 2 Day PM) Note: We do not ship products directly to patients.*

## Patient Information

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male    Female

Weight \_\_\_\_\_  Lbs.    Kg. Height \_\_\_\_\_  in.    cm.

Leg:    Left    Right

Diagnosis: (ex: Ligament laxity, ROM limitations, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

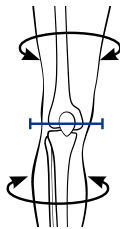
## Measurement Data

*These measurements are required to check the accuracy of the patient model submitted, a patient model must be provided for fabrication (scan).*

\_\_\_\_\_ Proximal circumference  
7 in / 175mm above mid-patella

\_\_\_\_\_ Medial-Lateral Knee Width  
(not circumference) at knee center

\_\_\_\_\_ Distal circumference  
7 in / 175mm below mid-patella



## Brace Configuration

*NB by default: riveted anchor tabs + d-rings + 1/4" padding + condylar pads + 2 additional thicker condylar pads + synergistic suspension strap*

**Hinge** (Extension stop kit included with hinges)

TM5 Aluminum    TM5 Stainless

## Optional Hinge Accessories

Flexion stop kit\*    Extension assist bands/posts\*

BK Brace

## Brace Rigidity/ Stiffness

*For larger and heavier framed patients- increased rigidity / stiffness is recommended*

Level 1 (default)    Level 2 (medium)    Level 3 (high)  
recommended for Impact Sports

## Femoral shell length

7 in (default) 175mm    -1 in 150mm    +1 in 200mm    +2 in 225mm

Other \_\_\_\_\_

## Femoral shell configuration

Anterior    Posterior

## Tibial shell length

7 in (default) 175mm    -1 in 150mm    +1 in 200mm    +2 in 225mm

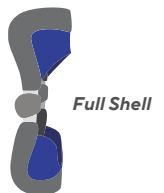
Other \_\_\_\_\_

## Tibial shell configuration

Anterior    Posterior

## Options

Full Shell\*  
 C/S Package (not available with FullShell)  
 Combined Instability Strap (PCL)



## Accessories

Spooner Patella Stabilizing Attachment\*  
 Brace cover (pull-on style)\*  
 Cotton Undersleeve 18 in (46cm)\*  
 Neoprene Undersleeve 18 in (46cm)\*  
 Neoprene Undersleeve 22 in (56cm)\*  
 CS wrap\*  
 X-treme Guard\*

\*Indicates additional charges apply

OF-000 REV A

**Received Date** *Thuasne USA's shipping department use only*

By filling this order form and placing an order for this device, I hereby certify that I am authorized to dispense this medical device in virtue of any national law governing the fitting and adjustment of orthopedic medical devices.

Please do not provide any personal information (name etc) regarding the patient, but only provide health information necessary to the fabrication of this medical device.

**Distributed by Thuasne USA**  
4615 Shepard Street, Bakersfield, CA 93313  
Tele: 800.432.3466 • Fax: 800.798.2722  
[ThuasneUSA.com](http://ThuasneUSA.com)



THUASNE

# SpryStep<sup>®</sup> OA Knee

## Contact Information

Clinician    Fitter/Assistant/Tech    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Ordering Clinician

CPO    CO    CP    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Billing & Shipping

PO#:

Billing Account#: \_\_\_\_\_  
 Shipping Account#: \_\_\_\_\_

Shipping Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## Shipping Preference

Ground    Next Day AM    Next Day PM    2-Day AM    2-Day PM

(If no preference is indicated, this order will be shipped 2 Day PM) Note: We do not ship products directly to patients.

## Patient Information

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male    Female

Weight \_\_\_\_\_  Lbs.    Kg. Height \_\_\_\_\_  in.    cm.

Leg:    Left    Right

Diagnosis: (ex: Ligament laxity, ROM limitations, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

Compartment:    Unload Medial    Unload Lateral

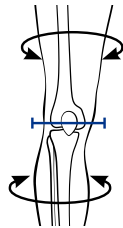
## Measurement Data

These measurements are required to check the accuracy of the patient model submitted, a patient model must be provided for fabrication (scan).

\_\_\_\_\_ Proximal circumference  
7 in / 175mm above mid-patella

\_\_\_\_\_ Medial-Lateral Knee Width  
(not circumference) at knee center

\_\_\_\_\_ Distal circumference  
7 in / 175mm below mid-patella



## Brace Configuration

NB by default: riveted anchor tabs + d-rings + 1/4" padding + condylar pads + 2 additional thicker condylar pads + synergistic suspension strap

### Hinge (Extension stop kit included with hinges)

- TM5 Aluminum with Loadshifter
- TM5 Aluminum without Loadshifter, Correction built into the frame: \_\_\_\_\_°    Varus    Valgus
- TM5 Stainless without Loadshifter, Correction built into the frame: \_\_\_\_\_°    Varus    Valgus

### Optional Hinge Accessories

- Flexion stop kit\*
- Extension assist bands/posts\*
- BK Brace

## Brace Rigidity/ Stiffness

For larger and heavier framed patients- increased rigidity / stiffness is recommended

Level 1 (default)    Level 2 (medium)    Level 3 (high)

## Femoral shell length

- 7 in (default)    -1 in    +1 in    +2 in  
175mm   150mm   200mm   225mm
- Other \_\_\_\_\_

## Femoral shell configuration

Anterior    Posterior

## Tibial shell length

- 7 in (default)    -1 in    +1 in    +2 in  
175mm   150mm   200mm   225mm
- Other \_\_\_\_\_

## Tibial shell configuration

Anterior    Posterior

## Options

- Full Shell\*
- C/S Package (not available with FullShell)
- Combined Instability Strap (PCL)



## Accessories

- Spooner Patella Stabilizing Attachment\*
- Brace cover (pull-on style)\*
- Cotton Undersleeve 18 in (46cm)\*
- Neoprene Undersleeve 18 in (46cm)\*
- Neoprene Undersleeve 22 in (56cm)\*
- CS wrap\*

\*Indicates additional charges apply

OF-000 REV A

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Distributed by Thuasne USA

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Tele: 800.432.3466 • Fax: 800.798.2722

ThuasneUSA.com

Received Date Thuasne USA's shipping department use only



THUASNE

# SpryStep® Neuro Knee

## Contact Information

Clinician    Fitter/Assistant/Tech    Other: \_\_\_\_\_

Name: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Ordering Clinician

CPO    CO    CP    Other: \_\_\_\_\_

Name: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Billing & Shipping

PO#:

Billing Account#: \_\_\_\_\_

Shipping Account#: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## Shipping Preference

Ground

Next Day AM

Next Day PM

2-Day AM

2-Day PM

(If no preference is indicated, this order will be shipped 2 Day PM) Note: We do not ship products directly to patients.

## Patient Information

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male    Female

Weight \_\_\_\_\_  Lbs.    Kg.   Height \_\_\_\_\_  in.    cm.

Leg:    Left    Right

Diagnosis: (ex: Ligament laxity, ROM limitations, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

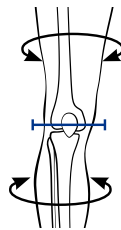
## Measurement Data

These measurements are required to check the accuracy of the patient model submitted, a patient model must be provided for fabrication (scan).

\_\_\_\_\_ Proximal circumference  
7 in / 175mm above mid-patella

\_\_\_\_\_ Medial-Lateral Knee Width  
(not circumference) at knee center

\_\_\_\_\_ Distal circumference  
7 in / 175mm below mid-patella



## Brace Configuration

NB by default: riveted anchor tabs + d-rings + 1/4" padding + condylar pads + 2 additional thicker condylar pads + synergistic suspension strap

### Knee Joint Options



- Single Pivot Locking **37700-L**  
(Twist Release with free motion)
- Single Pivot Locking **37700-L**  
(Manual Triggers)



- 5-bar Free **37700**
- 5 bar Locking **37700-L**  
(Twist Release with Free motion)
- 5 Bar Locking **37700-L**  
(Manual Triggers)

Optional Extension assist bands/posts\*

## Brace Rigidity/ Stiffness

For larger and heavier framed patients- increased rigidity / stiffness is recommended

Level 1 (default)    Level 2 (medium)    Level 3 (high)

## Femoral shell length

7 in (default)    -1 in    +1 in    +2 in  
175mm   150mm   200mm   225mm

Other \_\_\_\_\_

## Femoral shell configuration

Anterior    Posterior

## Tibial shell length

7 in (default)    -1 in    +1 in    +2 in  
175mm   150mm   200mm   225mm

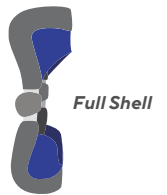
Other \_\_\_\_\_

## Tibial shell configuration

Anterior    Posterior

## Options

- Full Shell\*
- C/S Package (not available with FullShell)



## Accessories

- Spooner Patella Stabilizing Attachment\*
- Brace cover (pull-on style)\*
- Cotton Undersleeve 18 in (46cm)\*
- Neoprene Undersleeve 18 in (46cm)\*
- Neoprene Undersleeve 22 in (56cm)\*
- CS wrap\*

\*Indicates additional charges apply

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By filling this order form and placing an order for this device, I hereby certify that I am authorized to dispense this medical device in virtue of any national law governing the fitting and adjustment of orthopedic medical devices.

Please do not provide any personal information (name etc) regarding the patient, but only provide health information necessary to the fabrication of this medical device.

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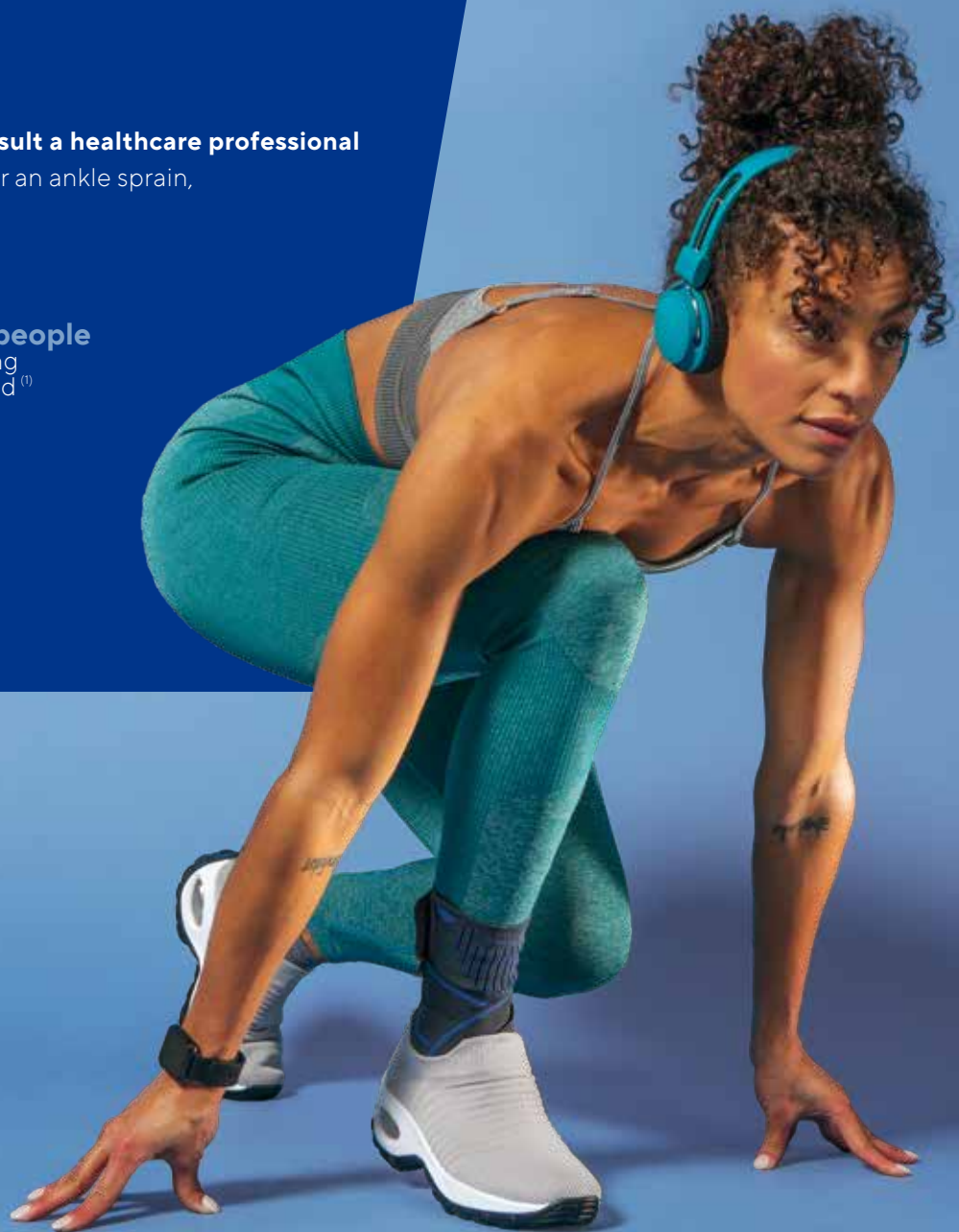
**ThuasneUSA.com**

# Did you know?



**6 000** people consult a healthcare professional every day for an ankle sprain, i.e. 250 per hour <sup>(1)</sup>

**Athletes and young people** who are still growing are the most affected <sup>(1)</sup>



# ANKLE

## ACTION PRINCIPLE OF ANKLE BRACES, ANKLE STIRRUPS AND WALKING BOOTS



### PROPRIOCEPTIVE ANKLE BRACE

Improved proprioception (perception of the body in space) via the use of a compressive knit



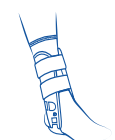
### LIGAMENT ANKLE BRACE

Holds the ankle in an anatomical position using elastic straps



### STABILISING ANKLE BRACE

Rigid lateral reinforcements combined with elastic straps provide joint stability



### ANKLE STIRRUPS

Analgesic and protective action through a firmer immobilisation of the ankle. Its compressive effect can help reduce oedema



### WALKING BOOT

Analgesic action through immobilisation of the ankle, reduction of the oedema thanks to adjustable compression, also suitable for managing post-operative treatment



# ANKLE | Which brace for which condition?

Mild ● ○ ○ ○  
 Moderate ● ● ○ ○  
 High ● ● ● ●

## Which prescription?

**INFLAMMATORY**

**MILD UNDETERMINED PAIN/  
RESUMPTION OF ACTIVITY**

**TRAUMATOLOGY / LIGAMENT  
INSTABILITY (SPRAIN, FRACTURE)**

## Which condition?

**Achilles Tendon tendinitis**

**Mild to moderate  
sprain**

**Moderate to  
severe sprain**

## Which activity level?

● ○ ○ ○

● ○ ○ ○

● ● ○ ○

Linear sport  
● ● ○ ○

Pivot sport  
● ● ● ●

● ● ● ●

**Silistab®  
Achillo**



page  
**65**

**MalleoSoft**



page  
**63**

**MalleoAction**



page  
**63**

**Ligastrap®  
Malleo**

Strapping  
system



page  
**64**

**Malleo  
Dynastab® Malleo  
Dynastab® BOA**

Stays  
+ strapping system



page  
**64**



page  
**64**



## MalleoSoft

Proprioceptive elastic ankle support

360002

### MAIN INDICATIONS

- Ankle pain and/or swelling management.

### MAIN FEATURES

**Proprioceptive effect:** elastic compressive knit (15-20 mmHg / 20.1-27 hPa).

**Comfort:** anatomically-shaped knit with specific comfort zones on the malleoli.

**Bilateral model.**



1	19 - 21 cm
2	21 - 23 cm
3	23 - 25 cm
4	25 - 27 cm
5	27 - 30 cm



## MalleoAction

Proprioceptive elastic ankle support

236103

### MAIN INDICATIONS

- Ankle pain and/or swelling management.
- Mild sprain.
- Proprioceptive support for rehabilitation.
- Sport activities resumption.

### MAIN FEATURES

**Proprioceptive effect:** elastic compressive knit (20-36mmHg /27.1-48 hPa).

**Comfort:** anatomically-shaped knit with specific comfort zones on the malleoli.

**Ease of application:** patented pull tabs.

**Bilateral model.**



0	16 - 19 cm
1	19 - 21 cm
2	21 - 23 cm
3	23 - 25 cm
4	25 - 27 cm
5	27 - 30 cm



## Pedipro Softer

Adaptable silicone heelpieces

660501

### MAIN INDICATIONS

- Heel and foot pain (metatarsalgia, plantar fasciitis).
- Rheumatoid foot.
- Relief for tendinitis

### MAIN FEATURES

**Comfort:** components providing even distribution of pressure, shock absorption and promoting hygienic freshness.

Choice of two (green and blue) anatomically-shaped inserts designed to be placed in the cut-out provided:

- Green inserts which are more flexible and designed for heel spurs

- Blue inserts designed for healthy feet.

Wide rim at the heel optimising hold in the shoe.

**Airflow:** ventilation channels allow air to flow in the shoe.



Shoe size	
1	36 - 39
2	40 - 46



## Ligastrap® Malleo

Proprioceptive elastic ankle brace with stabilising straps

218004

### MAIN INDICATIONS

- Mild ankle sprain.
- Post-operative, post-traumatic residual pain and/or oedema.
- Joint instability/laxity.
- Proprioceptive support for rehabilitation.
- Sport activities resumption.

### MAIN FEATURES

**Reinforced support:** double lateral strapping, preserving flexion-extension, and removable reinforcement strap for additional support.

**Proprioceptive effect:** elastic compressive knit (20-36mmHg /271-48 hPa).

**Ease of application:** patented pull tabs.

**Bilateral model.**



1	19 - 21 cm
2	21 - 23 cm
3	23 - 25 cm
4	25 - 27 cm
5	27 - 30 cm



## Malleo Dynastab® BOA®

Stabilising ankle brace with BOA® Fit System and reinforced bilateral support

235102

### MAIN INDICATIONS

- Moderate to severe ankle sprain.
- Ankle immobilisation.
- Joint laxity/chronic instability prevention during sport activities resumption.
- Sport activities resumption.

### MAIN FEATURES

❶ **Stabilisation:** low profile metallic lateral reinforcements combined with figure-8 elastic straps, provide enhanced joint support.

❷ **Ease of adjustment:** BOA® Fit System™ is a quick, even and micro-adjustable tightening system for a custom fit.

**Comfort:** low profile design that can be worn in most types of closed shoes.

**Bilateral model.**



0	16 - 19 cm
1	19 - 22 cm
2	22 - 26 cm
3	26 - 30 cm



\*BOA® is a registered trademark of BOA technology inc.



## Malleo Dynastab®

Stabilising ankle brace with lace-up fastening and reinforced bilateral support

235003

### MAIN INDICATIONS

- Moderate to severe ankle sprain.
- Ankle immobilisation.
- Joint laxity/chronic instability prevention during sport activities resumption.
- Sport activities resumption.

### MAIN FEATURES

**Stabilisation:** low profile metallic lateral reinforcements combined with figure-8 elastic straps, provide enhanced joint support.

**Ease of adjustment:** lace-up fastening.

**Comfort:** low profile design that can be worn in most types of closed shoes.

**Bilateral model.**



1	19 - 22 cm
2	22 - 26 cm
3	26 - 30 cm



## Silistab® Achillo

Proprioceptive elastic ankle brace for Achilles tendon

235503



### MAIN INDICATIONS

- Prevention and treatment of Achilles tendon injuries.
- Post-operative pain and oedema management.

### MAIN FEATURES

- 1 **Achilles tendon protection:** peri-Achilles insert provides protection and shock absorption.
- 2 **Achilles tendon offloading:** pair of stackable heel pieces offer 3 offloading heights (5, 8 or 13 mm).
- 3 **Proprioceptive effect:** elastic compressive knit (20-36mmHg /27.1-48 hPa).
- 4 **Comfort:** anatomically-shaped knit\* with specific comfort zones on the malleoli.
- 5 **Ease of application:** patented pull tabs.

Bilateral model.



1	19 - 21 cm
2	21 - 23 cm
3	23 - 25 cm
4	25 - 27 cm
5	27 - 30 cm

\*Contains latex



Tip!

In case of Achilles Tendinitis, during the first stages of treatment, we recommend applying a cold pack onto the Achilles Tendon to reduce the inflammation\*.

### Argicalm® Hot/Cold Pack

Reusable clay pack



\*Roberto 2015 - Achilles Tendinosis: Treatment Options



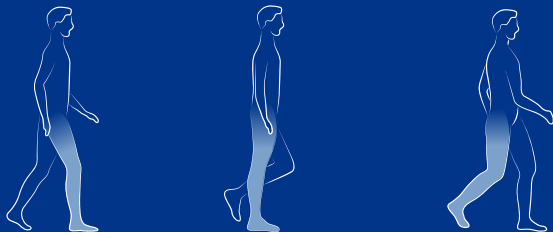
# SpryStep® Range: Dynamic anterior and posterior Ankle-Foot Orthosis (AFO)

**SpryStep®. a complete range for patients suffering from lower limb weakness.**

Defined by elegance, Thuasne's SpryStep® range of AFOs is transforming the way people move.

Using a proprietary blend of composite materials, the SpryStep® AFOs come in a variety of solutions that are improving mobility and quality of life for patients.

Anterior & Posterior:  
2 different kinds of AFO addressing different biomechanical deficits

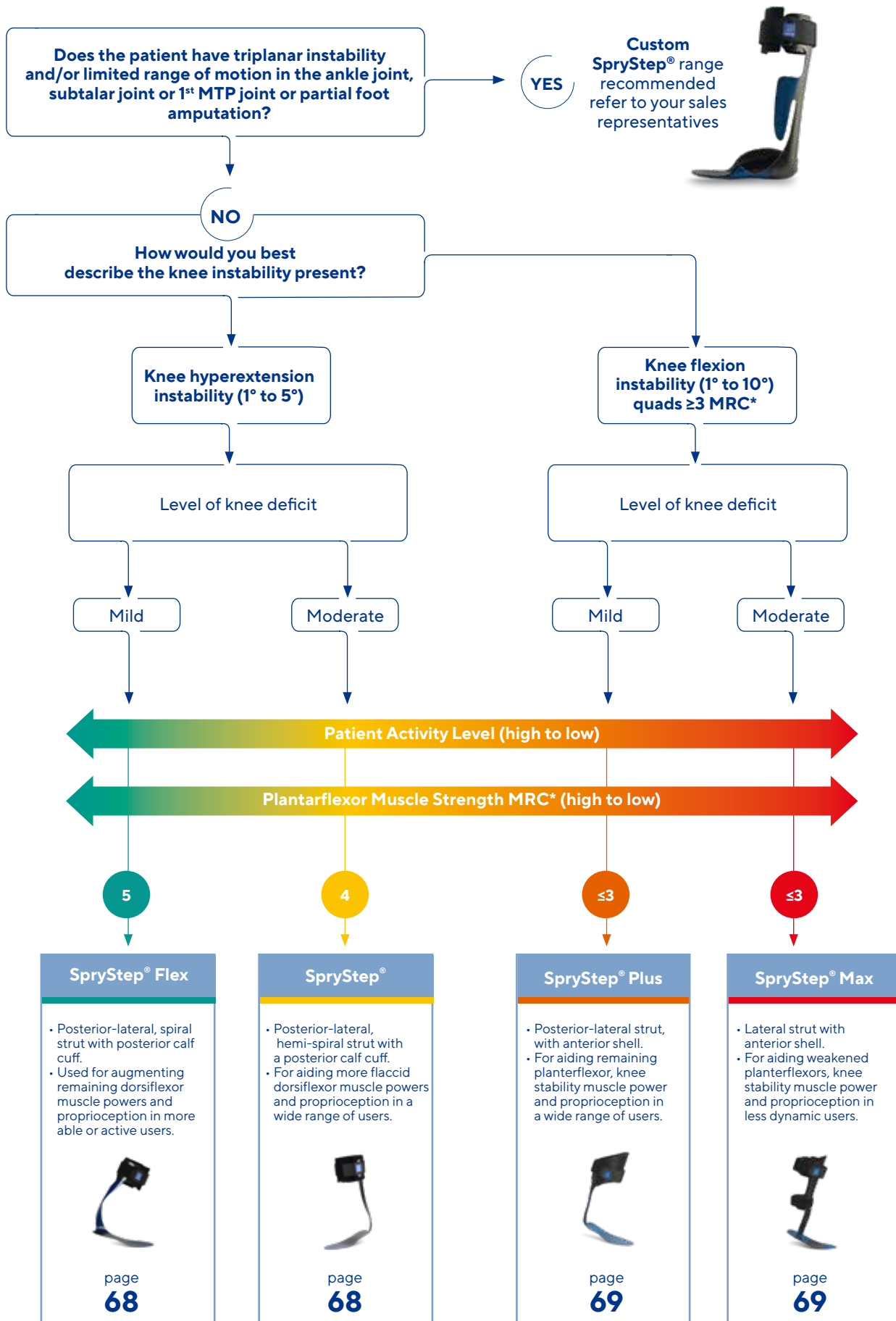


STANCE PHASE

Posterior	Anterior
Main function is to provide <b>external force to control the ankle</b>	Primary function is to provide <b>reaction force</b> to assist in <b>controlling the knee</b>
Main muscle weakness: <b>anterior tibial muscles</b>	Main muscle weakness: <b>posterior calf muscles</b>
Most impact in early stance phase	Most impact in late stance phase



# NEURO | Which solution for which condition?



\*Medical Research Council Manual Muscle Testing Scale

## SpryStep® Flex

Posterior dynamic ankle-foot orthosis (AFO)

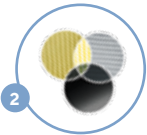
U01712



1



1



2



3

### MAIN INDICATIONS

- Lower limb muscle weakness of neurological, traumatic or muscular origin. (See SpryStep® decision tree, page 79.)

### MAIN FEATURES

- 1 Dynamism:** posterior lateral 180° spiral strut offers a great flexibility while allowing an ideal energy return for patients having an intense physical activity.
  - 2 Stability and rebound effect:** the diversity of the materials used provides the patient with a good balance between flexibility and rigidity to improve and allow a more natural gait.
- Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- 3 Adaptability:** trimmable insole for a better anatomical adjustment.

Available in right or left model.

	Shoe size	Height
XS	33 - 37	30 cm
S	36 - 39	32 cm
M	38 - 42	34 cm
L	41 - 44	36 cm
XL	44 - 47	38 cm



L ≠ R

Legal manufacturer: Thuasne Deutschland GmbH

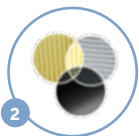
## SpryStep®

Posterior dynamic ankle-foot orthosis (AFO)

U01703



1



2



3

### MAIN INDICATIONS

- Lower limb muscle weakness of neurological, traumatic or muscular origin. (See SpryStep® decision tree, page 79)

### MAIN FEATURES

- 1 Dynamism:** posterior lateral position of the strut to optimise the compliance and the energy return during physical activity.
- Stability and rebound effect:** the diversity of the materials used provides the patient with a good balance between flexibility and rigidity to improve and allow a more natural gait.
- 2 Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
  - 3 Adaptability:** trimmable insole for a better anatomical adjustment.

Available in right or left model.

	Shoe size	Height
XS	33 - 37	30 cm
S	36 - 39	32 cm
M	38 - 42	34 cm
L	41 - 44	36 cm
XL	44 - 47	38 cm



L ≠ R

Legal manufacturer: Thuasne Deutschland GmbH

## SpryStep® Plus

Anterior dynamic ankle-foot orthosis (AFO)

U01722



### MAIN INDICATIONS

- Lower limb muscle weakness of neurological, traumatic or muscular origin. (See SpryStep® decision tree, page 79.)

### MAIN FEATURES

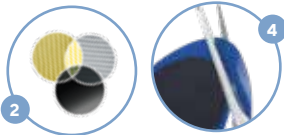
- ① **Knee support:** anterior carbon structure that supports and guides the knee towards extension, helps weakened plantar flexors for propulsion and maintains the knee during stance phase.
- ② **Stability:** the diversity of the materials used provides the patient with a good balance between flexibility and rigidity to improve walking and allow the tibia to tilt during the stance phase.

**Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.

- ③ **Energy return:** posterior lateral position of the strut to optimise compliance and energy return during physical activity.

- ④ **Anatomical adjustment:** trimmable insole for an optimal comfort.

Available in right or left model.



Shoe size	Foot length		Ankle flexion		Height
	Min.	Max.	Min.	Max.	
XS 33 - 37	21.5 cm	24.5 cm	29 cm	37 cm	33 cm
S 36 - 39	23 cm	26 cm	32.5 cm	40 cm	36 cm
M 38 - 42	24.5 cm	27.5 cm	35.5 cm	43 cm	39.5 cm
L 41 - 44	26 cm	29 cm	38.5 cm	46.5 cm	42.5 cm
XL 44 - 47	29 cm	30.5 cm	42 cm	49.5 cm	45.5 cm



Legal manufacturer: Thuasne Deutschland GmbH

## SpryStep® Max

Anterior dynamic ankle-foot orthosis (AFO)

U01734



### MAIN INDICATIONS

- Lower limb muscle weakness of neurological, traumatic or muscular origin. (See SpryStep® decision tree, page 79.)

### MAIN FEATURES

- ① **Knee support:** anterior carbon structure that supports and guides the knee towards extension, helps weakened plantar flexors for propulsion and maintains the knee during stance phase.

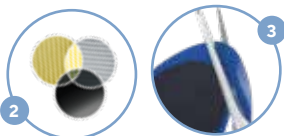
**Stability:** the rigidity of the structure combined with the flexibility of the sole, offers a great stability while allowing the gait cycle.

- ② **Strength and lightness:** Composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.

**Practicality:** lateral position of the strut, anterior to the malleolus allows an easy insertion into the shoe.

- ③ **Anatomical adjustment:** trimmable insole for an optimal comfort.

Available in right or left model.



Shoe size	Foot length		Ankle flexion		Height
	Min.	Max.	Min.	Max.	
XS 31 - 34	19.5 cm	21.5 cm	33.5 cm	37 cm	33.5 cm
S 34 - 37	21 cm	23 cm	37 cm	40 cm	37 cm
M 37 - 40	23 cm	25.5 cm	39.5 cm	43 cm	39.5 cm
L 40 - 43	25.5 cm	27.5 cm	42 cm	46.5 cm	42 cm
XL 43 - 46	27.5 cm	29 cm	42 cm	49.5 cm	45.5 cm



Legal manufacturer: Thuasne Deutschland GmbH

## SpryStep® Pediatric

Posterior dynamic ankle-foot orthosis (AFO)

U01752



### MAIN INDICATIONS

- Biomechanical deficits of neurological, traumatic or muscular origin.
- Footdrop.
- Mild knee hyperextension.
- Mild ankle and foot tri-planar instability.
- Hypotonia.
- Hypertonia.

### MAIN FEATURES

**Dynamism:** posterior lateral position of the strut to optimise the compliance and the energy return during physical activity.

**Stability and rebound effect:** the diversity of the materials used provides the patient with a good balance between flexibility and rigidity to improve and allow a more natural gait.

**Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.

**Adaptability:** 3 trimmable areas to optimize fit and comfort: footplate (toe and medial side of footplate) and calf cuff can easily be adjusted.

Available in right or left model.

	Shoe size	Foot length	
		Min.	Max.
XS	17 - 22	9.5 cm	14.5 cm
S	22 - 26	11 cm	16 cm
M	26 - 28	12.5 cm	17.5 cm
L	28 - 31	14 cm	19 cm
XL	31 - 33	15.5 cm	20.5 cm



Legal manufacturer: Thuasne Deutschland GmbH



SpryStep® pediatric patients are children mostly suffering from congenital or after birth conditions and are expected to use their walking orthosis daily. SpryStep® pediatric is specially designed for young patients from 18 months up to shoe size (EUR) = 33 at which stage they can be transitioned into the adult version of SpryStep® range.





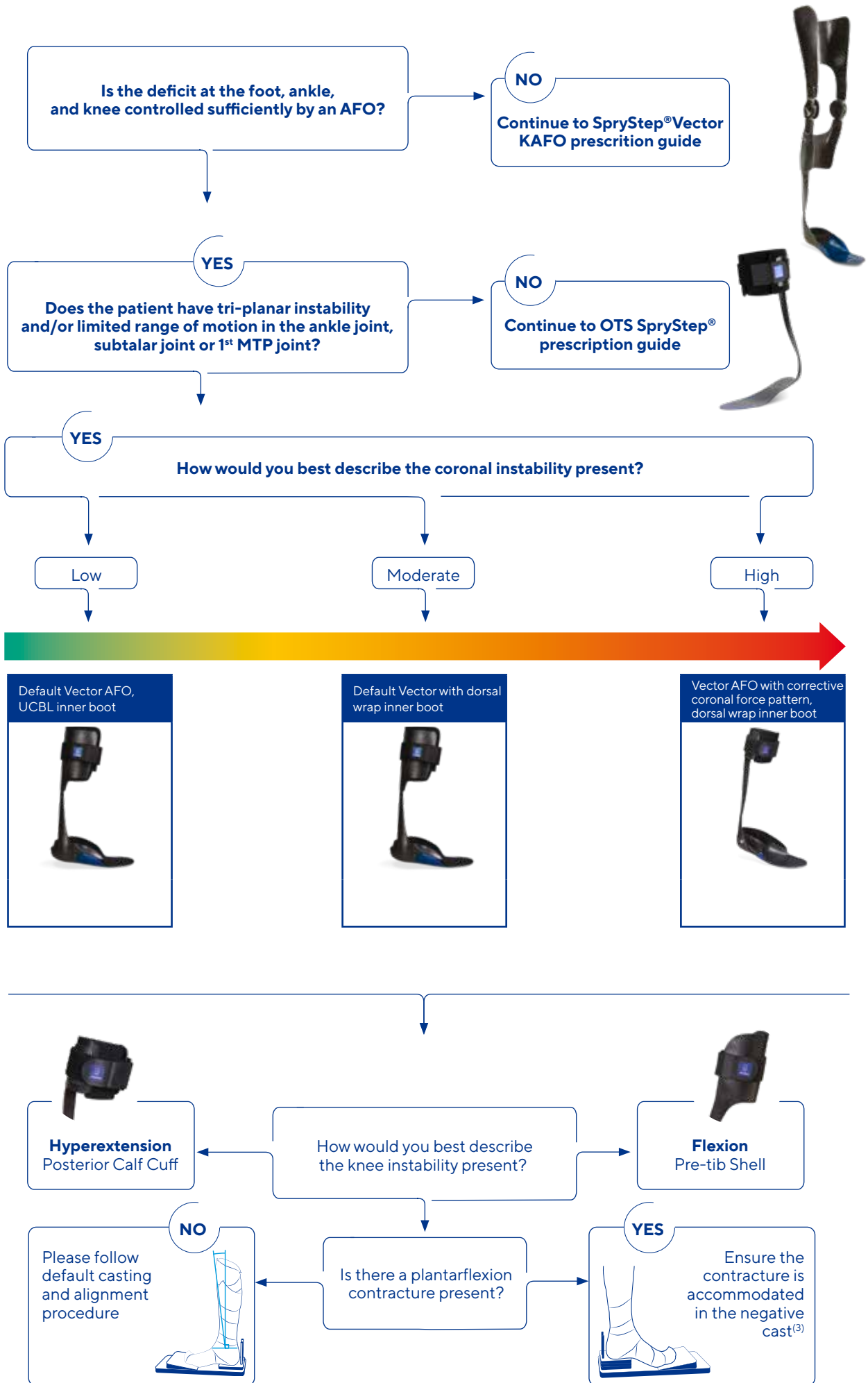
# AFO | Custom ankle-foot orthoses

## SpryStep® Vector AFO prescription guide

From the elegant<sup>(1)</sup> yet durable<sup>(2)</sup> range of SpryStep® AFOs, to custom knee braces and specialty KAFOs, Thuasne Group offers effective custom solutions for the most complex patients.







<sup>(1)</sup> Elegance is defined by a low complexity solution to a problem of high complexity. We consider something as elegant, when a simple, low complexity solution resolves a high complexity problem.  
<sup>(2)</sup> Cycle-testing performed by an independent lab under ISO10328 servo pneumatic test system. This standard is typically used to test prosthetic feet.  
<sup>(3)</sup> Accommodative wedging to be applied by clinician during dynamic fitting.



**SpryStep® Flex**  
Available Options: Molded Inner Boot, Pre-Tib Shell



**SpryStep® Original**  
Available options: Molded Inner Boot, Pre-Tib Shell



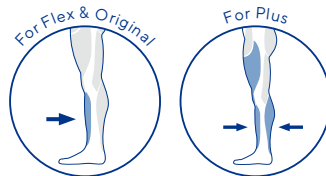
**SpryStep® Plus**  
Available Option: Molded Inner Boot

## SpryStep® custom range

Custom dynamic ankle-foot orthosis

SpryStep® Flex custom	<b>U33201</b>
SpryStep® Original custom	<b>U33101</b>
SpryStep® Plus custom	<b>U33301</b>

**SpryStep® custom is a wide range of elegant<sup>(1)</sup>, durable<sup>(2)</sup> custom AFOs. All three models offer biomechanical and fitting advantages to better serve patient's expectations. Each model can have a molded inner boot (if selected when ordering).**



For quadriceps and gastroc weakness, please choose KAFO (see page 38)

### PATIENT PROFILE

- Patients who managed well with the biomechanical stiffness of the OTS SpryStep® device but require custom because of:
  - Patient's morphology.
  - Patients who have a fixed contracture of the ankle.
  - Patients with a fixed forefoot equinus.
  - Patients who require more control of the STJ and MTJs.

### MAIN FEATURES

- **Made to patient:** custom fabricated from a model of the patient leg.
- **Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- **Minimalistic composite structure:** avoids bony prominences limiting fitting error.
- **Absence of ankle joint:** minimising distal weight and shoe bulk.
- **Dynamism:** posterior lateral position of the strut to optimise compliance and energy return during physical activity.
- **Gait optimisation:** material selection and shelf configuration designed to support patient mobility<sup>(3)</sup>.
- **Adaptability:** trimmable areas to adapt the fit.
- **Available with different options:** refer to the order form.

### MODES OF ACTION



Stabilisation



Biomechanical correction



Energy return



The custom SpryStep® offers the user with a customized fit but with the same biomechanical characteristics of the off-the-shelf SpryStep® AFO range.

Legal manufacturer: Thuasne Deutschland GmbH

<sup>(1)</sup> Elegance is defined by a low complexity solution to a problem of high complexity. We consider something as elegant, when a simple, low complexity solution resolves a high complexity problem.

<sup>(2)</sup> Cycle-testing performed by an independent lab under ISO10328 servo pneumatic test system. This standard is typically used to test prosthetic feet.

<sup>(3)</sup> Internal CE marking data



Posterior Shell



Pre-Tibial Shell



Posterior Shell & Coronal Correction

## SpryStep® Vector

Custom posterior dynamic ankle-foot orthosis

U3340

**SpryStep® Vector is an elegant<sup>(1)</sup>, durable<sup>(2)</sup> custom composite AFO. All four models feature our signature posterior lateral spiral strut that offers biomechanical and fitting advantages.**

**Each model also includes a molded inner boot (as standard).**

### PATIENT PROFILE

- Patients with complex biomechanical deficits such as tri-planar instability.
- Patients with limited range of motion in the ankle, STJ or 1st MPJ whether this be contracture or tonal.
- Patients with spasticity of 2 or above on Modified Ashworth Scale.
- Patients with specific hobbies where activities levels would be outside of normal levels, e.g. running, golfing, weight lifting.

### MAIN FEATURES

- **Made to patient:** custom fabricated from a model of the patient leg.
- **Digital workflow:** premanufacture report communicates the outcomes of the modelling process and identifies areas of attention for fitting.
- **Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- **Customised strut stiffnesses:** depending on the patient's presentation.
- **Customised foot and ankle control** with inner boot trimline options.
- **Minimalistic composite structure:** avoids bony prominences limiting fitting error.
- **Absence of ankle joint:** minimising distal weight and shoe bulk.
- **Dynamism:** posterior lateral position of the strut to optimise compliance and energy return during physical activity.
- **Gait optimisation:** material selection and shell configuration designed to support patient mobility<sup>(3)</sup>.
- **Adaptability:** trimmable areas to adapt the fit.
- **Available with different options:** refer to the order form.

### MODES OF ACTION



Stabilisation



Biomechanical correction



Energy return



Pre-Tibial Shell & Coronal Correction



The SpryStep® Vector AFO is the pinnacle of the SpryStep® composite AFO family, suitable for patients with complex biomechanical needs, and complex functional demands whilst still maintaining our low weight, high strength and energy returning formula!

<sup>(1)</sup> Elegance is defined by a low complexity solution to a problem of high complexity. We consider something as elegant, when a simple, low complexity solution resolves a high complexity problem. Legal manufacturer: Thuasne Deutschland GmbH

<sup>(2)</sup> Cycle-testing has been performed under ISO 10328 Servo-Pneumatic Test System

<sup>(3)</sup> Internal CE marking data



# SpryStep<sup>®</sup> Custom Specialty Bracing

### Contact Information

Clinician    Fitter/Assistant/Tech    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

### Ordering Clinician

CPO    CO    CP    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

### Billing & Shipping

PO#:

Billing Account#: \_\_\_\_\_  
 Shipping Account#: \_\_\_\_\_

Shipping Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### Shipping Preference

Ground    Next Day AM    Next Day PM    2-Day AM    2-Day PM  
*(If no preference is indicated, this order will be shipped 2 Day PM) Note: We do not ship products directly to patients.*

### Patient Information

*By filling this order form and placing an order for this device, I hereby certify that I am authorized to dispense this medical device in virtue of any national law governing the fitting and adjustment of orthopedic medical devices*

*Please do not provide any personal information (name etc) regarding the patient, but only provide health information necessary to the fabrication of this medical device*

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male    Female  
 Weight \_\_\_\_\_  Lbs.    Kg.   Height \_\_\_\_\_  in.    cm.  
 Leg:    Left    Right

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

Shoe Size: \_\_\_\_\_

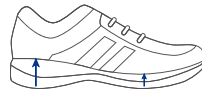
- Appropriately scaled tracing of shoe insole provided with order form
- Not sending shoe or tracing (*toe segment will be made longer and wider, requiring trimming during fitting*)

### PLEASE PROVIDE MEASUREMENTS

Shoe Height Measurement (Shoe sole thickness at heel and forefoot)

Heel \_\_\_\_\_  in.    cm.

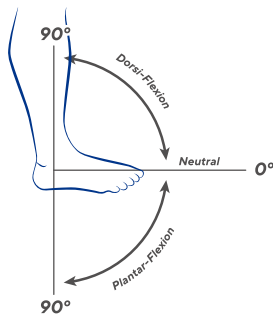
Forefoot \_\_\_\_\_  in.    cm.



### Please Follow Step-By-Step Cast Protocol Instructions

### Range Of Motion

- a. Knee ROM: \_\_\_\_\_° extension to \_\_\_\_\_° flexion
- b. Ankle ROM, with knee extended  
 Dorsi-Flexion \_\_\_\_\_°  
 Plantar-Flexion \_\_\_\_\_°
- c. Plantarflexion contracture  
 Yes \_\_\_\_\_°    No

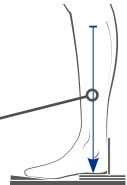


### Perpendicular measurement from the casting platform to the Fibula head

#### Height Measurement

\_\_\_\_\_  in.    cm.

*Final brace height will be 1" below this measurement*



Heel height of blocks used on the casting platform \_\_\_\_\_  in.    cm.

### Cast Info

Cast Adjustments Required (*coronal and sagittal plane*)

### Activity Level (Check one)

- Limited ambulator: *sits to stands and transfers*
- Household ambulator: *level surfaces with walking aids*
- Limited community ambulator: *level surfaces with walking aids*
- Active community ambulator: *mild inclines and declines with or without walking aids*
- Independent ambulator: *varied cadence, uneven surfaces and no walking aids*
- Active ambulator: walking, running, some athletic activity

### Observational Gait Analysis (Check all that apply)

- Footslap
- Footdrop
- Excessive dorsiflexion in terminal stance
- Crouch in stance
- Knee hyperextension in stance

### Biomechanical objectives (Check all that apply)

- Control dorsiflexion weakness
- Control plantar flexion weakness
- Control ankle valgus instability
- Control ankle varus instability
- Resist knee hyperextension in stance
- Resist knee flexion in stance

Other: \_\_\_\_\_

Received Date *Thuasne USA's shipping department use only*

## Brace Options

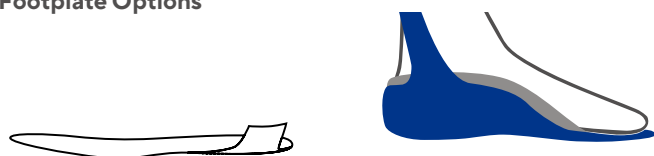
- SpryStep® Flex   
  SpryStep®   
  SpryStep® Plus



### Optional pre-tib Shell (SpryStep® & SpryStep® Flex only)

- Yes   
  No

### Footplate Options



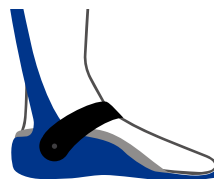
- Contoured footplate (no molded inner boot)   
  Molded arch footplate with molded inner boot (must select one below)

## Molded Inner Boot Options (if ordered)



- Molded Inner Boot (Low)   
  Molded Inner Boot (Dorsal wrap)
- Leave inner boot unattached

## Strap Option



- Include ankle strap   
  Leave ankle strap unattached

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

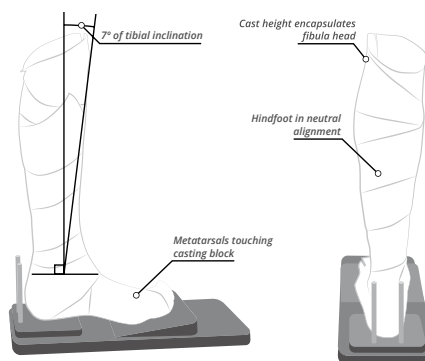
\_\_\_\_\_

### AFO Cast Parameters

Accurate representation of heel height must be captured in the negative cast (use of Thuasne USA casting platform)

#### Markings on the cast

- Fibula head
- Tibial tubercle
- Tibial crest
- Medial & lateral malleolus
- Navicular bone
- 1st metatarsal head
- 5th metatarsal head
- Base of 5th metatarsal
- If applicable deformity, tissue or any other area of concern



Product #	Production Description
<b>35700</b>	<i>SpryStep Original, Contoured Footplate</i>
<b>35700-PT</b>	<i>SpryStep Original, Contoured Footplate, Pre-tibial shell</i>
<b>35700-MIB</b>	<i>SpryStep Original, Molded inner boot</i>
<b>35700-PTMIB</b>	<i>SpryStep Original, Molded inner boot, Pre-tibial shell</i>
<b>37810</b>	<i>SpryStep Flex, Contoured Footplate</i>
<b>37810-PT</b>	<i>SpryStep Flex, Contoured Footplate, Pre-tibial shell</i>
<b>37810-MIB</b>	<i>SpryStep Flex, Molded inner boot</i>
<b>37810-PTMIB</b>	<i>SpryStep Flex, Molded inner boot, Pre-tibial shell</i>
<b>37820</b>	<i>SpryStep Plus, Contoured Footplate</i>
<b>37820-MIB</b>	<i>SpryStep Plus, Molded inner boot</i>



# Custom Spiral AFO (SpryStep® Vector)

## Specialty Bracing

### Contact Information

Clinician    Fitter/Assistant/Tech    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

### Ordering Clinician

CPO    CO    CP    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

### Billing & Shipping

PO#: \_\_\_\_\_

Billing Account#: \_\_\_\_\_  
 Shipping Account#: \_\_\_\_\_

Shipping Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### Shipping Preference

Ground    Next Day AM    Next Day PM    2-Day AM    2-Day PM

(If no preference is indicated, this order will be shipped 2 Day PM) Note: We do not ship products directly to patients.

#### To The Clinician

Thuasne USA will determine the stiffness category of the Vector AFO based on the Orthotist's objective measures and patient goals.  
 Detailed completion of all requested information is required for our CPOs to select the AFO stiffness.

### Patient Information

By filling this order form and placing an order for this device, I hereby certify that I am authorized to dispense this medical device in virtue of any national law governing the fitting and adjustment of orthopedic medical devices  
 Please do not provide any personal information (name etc) regarding the patient, but only provide health information necessary to the fabrication of this medical device

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male    Female  
 Weight \_\_\_\_\_  Lbs.    Kg.   Height \_\_\_\_\_  in.    cm.  
 Leg:    Left    Right

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

Shoe Size: \_\_\_\_\_

- Appropriately scaled tracing of shoe insole provided with order form
- Not sending shoe or tracing (toe segment will be made longer and wider, requiring trimming during fitting)

#### PLEASE PROVIDE MEASUREMENTS

Shoe Height Measurement (Shoe sole thickness at heel and forefoot)

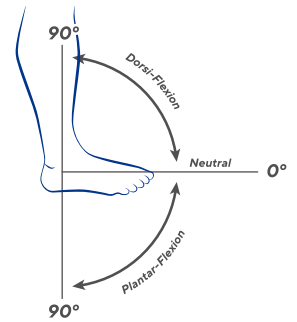
Heel \_\_\_\_\_  in.    cm.  
 Forefoot \_\_\_\_\_  in.    cm.



#### Please Follow Step-By-Step Cast Protocol Instructions

### Range Of Motion

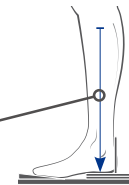
- a. Knee ROM: \_\_\_\_\_° extension to \_\_\_\_\_° flexion
- b. Ankle ROM, with knee extended  
 Dorsi-Flexion \_\_\_\_\_°  
 Plantar-Flexion \_\_\_\_\_°
- c. Plantarflexion contracture  
 Yes \_\_\_\_\_°    No



### Perpendicular measurement from the casting platform to the Fibula head

#### Height Measurement

\_\_\_\_\_  in.    cm.  
 Final brace height will be 1" below this measurement



Heel height of blocks used on the casting platform \_\_\_\_\_  in.    cm.

### Cast Info

Cast Adjustments Required (coronal and sagittal plane)

- Partial Foot or Transmet Amputation (Vector is not appropriate for Lisfranc, Chopart or Symes)


### Activity Level (Check one)

- Limited ambulator: sits to stands and transfers
- Household ambulator: level surfaces with walking aids
- Limited community ambulator: level surfaces with walking aids
- Active community ambulator: mild inclines and declines with or without walking aids
- Independent ambulator: varied cadence, uneven surfaces and no walking aids
- Active ambulator: walking, running, some athletic activity

Received Date *Thuasne USA's shipping department use only*


## Manual Muscle Tests (MMT)

### Quadriceps strength




	Left	Right
0	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>

### Hamstring strength




	Left	Right
0	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>

### Dorsiflexion strength



	Left	Right
0	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>

### Plantar-flexor strength



Number of Single Limb Heel Raises	
Left	Right
_____	_____

## Observational Gait Analysis *(Check all that apply)*

- Footslap
- Footdrop
- Excessive dorsiflexion in terminal stance
- Knee hyperextension in stance
- Crouch in stance

## Desired Level of Control *(Check one)*

- Flexible:** guides the lower limb during swing with minimal restriction to tibial advancement in stance
- Moderate:** supports the foot and ankle in swing with mild resistance and spring to tibial advancement.
- Firm:** strong foot and ankle control with resistance to tibial advancement forcing a ground reaction response in stance.
- Rigid:** strong foot and ankle control with rigid resistance to tibial advancement in stance blocking movement and influencing proximal segments.

## Biomechanical objectives *(Check all that apply)*

- Control dorsiflexion weakness
- Control plantar flexion weakness
- Control ankle valgus instability
- Control ankle varus instability
- Resist knee hyperextension in stance
- Resist knee flexion in stance

**Other** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Ordering Options

The base structure of all models includes a spiral strut, posterior shell and molded inner boot.

### Posterior Shell



- Left (37600-P)

### With Pre-Tibial Shell



- Right (37600-P)
- Left (37600-PT)
- Right (37600-PT)

### With Coronal Extension



- Valgus Resist
- Varus Resist

### With Pre-Tibial Shell & Coronal Extension



- Valgus Resist
- Varus Resist

- Left (37600-PV)
- Right (37600-PV)
- Left (37600-PTV)
- Right (37600-PTV)

## Molded Inner Boot Options



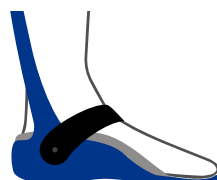
- Low Profile



- Dorsal Wrap

- Leave inner boot unattached

## Strap Option



- Include ankle strap
- Leave ankle strap unattached

**Comments/Special Instructions:** \_\_\_\_\_

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

# KAFO

 | Knee ankle-foot orthosis

SpryStep® Vector KAFO range is a series of custom KAFO designs using the most technologically advanced composite materials and manufacturing available to modern engineering.

## Evidence based advantages.

**The SpryStep® KAFO range uses multisegmented differences in stiffness to support the lower limb, while allowing forward progression.**

**Modern composite materials offer the potential to reduce the weight of a device by a minimum of 27%<sup>(2)</sup> to 30%<sup>(1)</sup> and up to 60% over traditional manufacturing techniques.**

- Decrease energy cost of walking<sup>(3)</sup>
- Increase maximum walking distance<sup>(5)</sup>
- Increased step length and walking speed<sup>(4)</sup>
- Lower oxygen cost of gait<sup>(2)</sup>
- Compliance increase<sup>(1)</sup>

**This can improve patient outcomes.**

## SpryStep® Vector KAFO prescription guide

The SpryStep® Vector KAFO range is designed for patients who have foot, ankle and knee deficits.

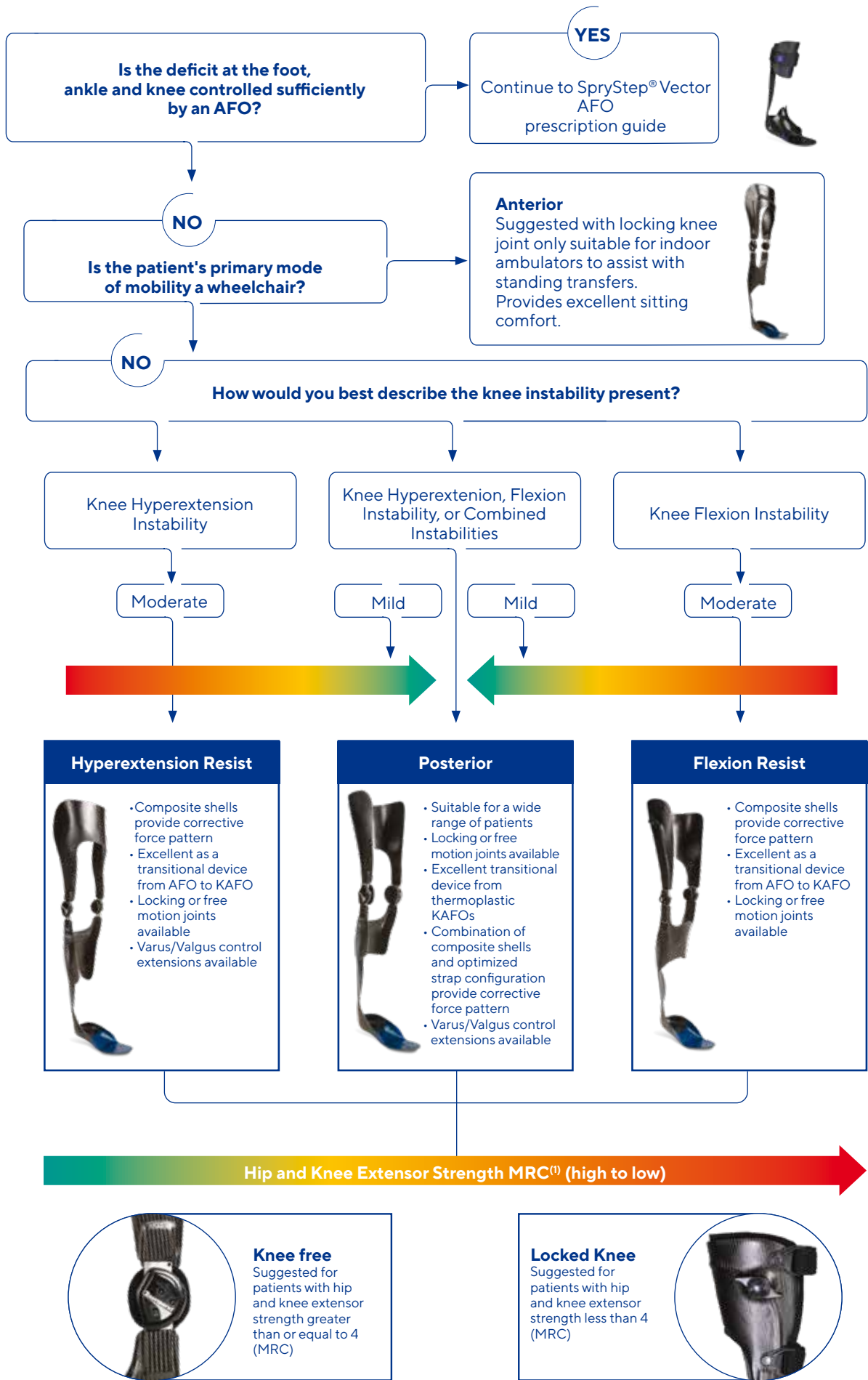
As different options are possible, the following guide will help you determine which product configuration will better answer the patient's needs.

Our KAFOs incorporate our composites know-how as well as our expertise on knee joints and offer solutions for better outcomes.



<sup>(1)</sup> Heim M, Yaacobi E, Azaria M. A pilot study to determine the efficiency of lightweight carbon fibre orthoses in the management of patients suffering from post poliomyelitis syndrome. Clin Rehabil 1997; 11: 302-305  
<sup>(2)</sup> Hachisuka, K. et al. 2007 'Oxygen consumption, oxygen cost and physiological cost index in polio survivors: A comparison of walking without orthosis, with an ordinary or a carbon fibre reinforced plastic knee ankle-foot orthosis', Journal of Rehabilitation Medicine, 39<sup>(8)</sup>, pp. 646-650. doi: 10.2340/16501977.0105.  
<sup>(3)</sup> Brehm, M. A. et al. 2007 'Effect of carbon composite knee ankle-foot orthoses on walking efficiency and gait in former polio patients', Journal of Rehabilitation Medicine, 39<sup>(8)</sup>, pp. 651-657.  
<sup>(4)</sup> Hachisuka, K. et al. (no date) 'Clinical application of carbon fibre reinforced plastic leg orthosis for polio survivors and its advantages and disadvantages'. doi: 10.1080/  
<sup>(5)</sup> Steinfeldt F, Seifert W, Gunther KP. Modern carbon fibre orthoses in the management of polio patients: a critical evaluation of the functional aspects. Z Orthop Ihre Grenzgeb 2003; 141:357-361





<sup>(1)</sup> Medical Research Council Manual Muscle Testing Scale

## SpryStep® Vector KAFO

Custom dynamic knee ankle-foot orthosis (KAFO)

U3300



Durable, versatile and lightweight<sup>(1)</sup>, the SpryStep® Vector KAFO combines the power of modern composite manufacturing with the performance of the trusted SpryStep® AFO range, with trusted Thuasne® hinges.

Featuring four shell configurations, a variety of joint options and two molded inner boot styles, the SpryStep® Vector KAFO is the comprehensive solution giving patients the confidence they need to return to a normalised life.

### PATIENT PROFILE

- Patients with varying neurological lower limb deficits e.g. CVA, MS, TBI, CMT, spinal cord injury, polio.
- Patients whose biomechanical control cannot be optimised by an AFO alone.
- Patients whose neurological deficit requires locking of the knee and control of the foot and ankle (locking optional).
- Patients with potential for recovery via rehabilitation.

### MAIN FEATURES

- **Made to patient:** custom fabricated from a model of the patient leg.
- **Digital workflow:** premanufacture report communicates the outcomes of the modelling process and identifies areas of attention for fitting.
- **Strength and lightness:** composite structure, lightweight and durable, designed with a specific material combination and a precise manufacturing process.
- **Minimalistic composite structure:** avoids bony prominences allowing a high margin of fitting error.
- **Absence of ankle joint:** minimising distal weight and shoe bulk.
- **Dynamism:** posterior lateral position of the strut to optimise compliance and energy return during physical activity.
- **Gait optimisation:** material selection and shell configuration designed to support patient mobility<sup>(1)</sup>.
- **Adaptability:** trimmable areas to adapt the fit.
- **Available with different options:** refer to the order form.

### MODES OF ACTION



Stabilisation



Biomechanical correction



Energy return



The SpryStep® posterior/posterior KAFO configuration is the default design of the KAFO range. Combining a good cast with optimal strap positioning, makes it the most versatile and forgiving device with a track record of success<sup>(1)</sup> for a wide variety of conditions.



Molded inner boot comes as standard to ensure optimal tri-planar control



Optional coronal correction for increased control

# Brace configurations – 4 possible options



Anterior



Posterior



Hyperextension Resist



Flexion Resist

Apply force patterns effectively with the brace configuration that is appropriate for the patient’s deficit.

## JOINT OPTIONS



### 5 Bar Knee Component

**Option 1:**

Free Motion

**Option 2:**

Locking with manual triggers

**Option 3:**

Locking with integrated cable and Twist Release



### Single Pivot Knee Component

**Option 1:**

Locking with manual triggers

**Option 2:**

Locking with integrated cable and Twist Release



### Twist Release Mechanism

Acts as a simple release lever that can also be use to provide free motion to a locked joint



### Extension Assist

Extension assist bands available on all joint configurations



# SpryStep® Vector KAFO

Specialty Bracing

### Contact Information

Clinician    Fitter/Assistant/Tech    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

### Ordering Clinician

CPO    CO    CP    Other: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Phone: \_\_\_\_\_

### Billing & Shipping

PO#:

Billing Account#: \_\_\_\_\_  
 Shipping Account#: \_\_\_\_\_

Shipping Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### Shipping Preference

Ground    Next Day AM    Next Day PM    2-Day AM    2-Day PM

*(If no preference is indicated, this order will be shipped 2 Day PM) Note: We do not ship products directly to patients.*

### Patient Information

*By filling this order form and placing an order for this device, I hereby certify that I am authorized to dispense this medical device in virtue of any national law governing the fitting and adjustment of orthopedic medical devices*

*Please do not provide any personal information (name etc) regarding the patient, but only provide health information necessary to the fabrication of this medical device*

Fit Date: \_\_\_\_\_ Patient ID: \_\_\_\_\_

Age \_\_\_\_\_  Male    Female

Weight \_\_\_\_\_  Lbs.    Kg. Height \_\_\_\_\_  in.    cm.

Leg:    Left    Right

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

Surgeries (type/date): \_\_\_\_\_

#### Is the patient currently using any assistive device?

Brace/KAFO    Crutch    Wheel Chair  
 Cane    Walker

Shoe Size: \_\_\_\_\_

- Appropriately scaled tracing of shoe insole provided with order form
- Not sending shoe or tracing (toe segment will be made longer and wider, requiring trimming during fitting)

### PLEASE PROVIDE MEASUREMENTS

Shoe Height Measurement (Shoe sole thickness at heel and forefoot)

Heel \_\_\_\_\_  in.    cm.

Forefoot \_\_\_\_\_  in.    cm.



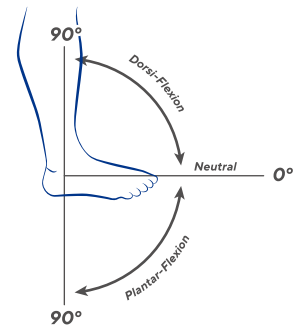
### Cast Info

Cast Adjustments Required (coronal and sagittal plane)

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

### Range Of Motion

- a. Hip ROM: \_\_\_\_\_° extension to \_\_\_\_\_° flexion
- b. Knee ROM: \_\_\_\_\_° extension to \_\_\_\_\_° flexion
- c. Ankle ROM, with knee extended  
 Dorsi-Flexion \_\_\_\_\_°  
 Plantar-Flexion \_\_\_\_\_°
- d. Plantarflexion contracture  
 Yes \_\_\_\_\_°    No
- e. Knee flexion contracture  
 Yes \_\_\_\_\_°    No



### Activity Level (Check one)

- Limited ambulator: sits to stands and transfers
- Household ambulator: level surfaces with walking aids
- Limited community ambulator: level surfaces with walking aids
- Active community ambulator: mild inclines and declines with or without walking aids
- Independent ambulator: varied cadence, uneven surfaces and no walking aids
- Active ambulator: walking, running, some athletic activity

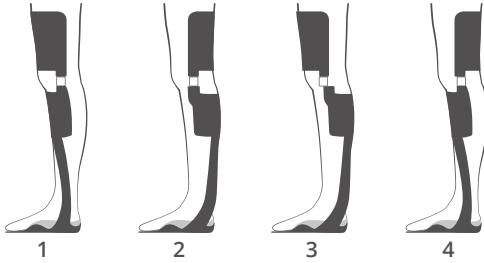
### Biomechanical objectives

- Resist Knee Hyperextension in Stance
- Resist Knee Flexion in Stance
- Knee Valgus Control
- Knee Varus Control
- Posterior/Anterior Knee Drawer Control
- Control Dorsiflexion Weakness
- Control Plantar Flexion weakness
- Control Ankle Valgus Instability
- Control Ankle Varus Instability

Received Date *Thuasne USA's shipping department use only*

## Brace Configuration

### Shell Configuration



- Anterior (1)
- Posterior (2)
- Hyperextension Resist (3)
- Flexion Resist (4)

### Coronal Plane Extension

- Valgus Resist
- Varus Resist

### Molded Inner Boot



Low



Dorsal wrap

- Leave inner boot unattached

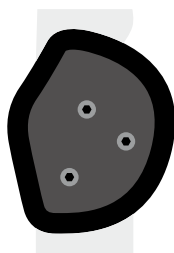
### Strap Options

- Include ankle strap
- Leave ankle strap unattached

### Knee Joint Options



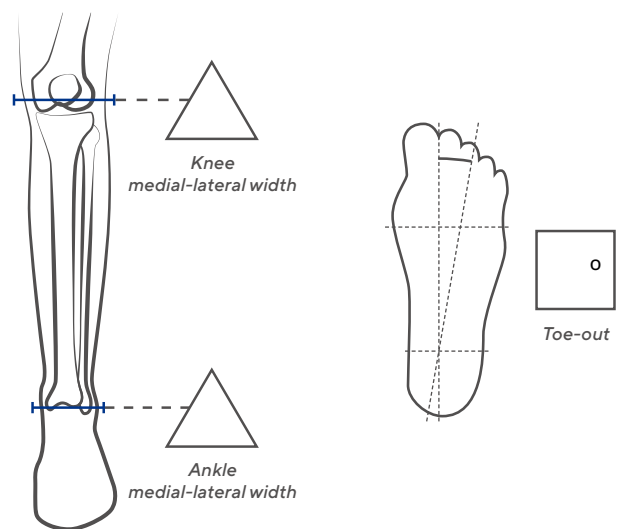
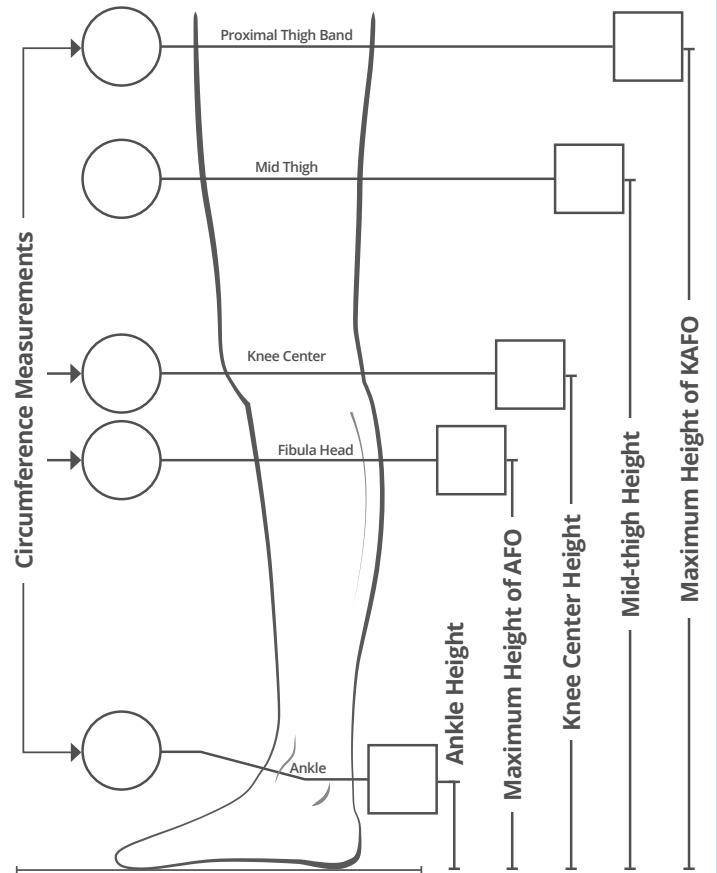
- Single Pivot Locking **37700-L**  
(Manual Triggers)
- Single Pivot Locking\* **37700-L**  
(Twist Release with free motion)



- 5-bar Free **37700**
- 5 Bar Locking **37700-L**  
(Manual Triggers)
- 5 bar Locking\* **37700-L**  
(Twist Release with Free motion)

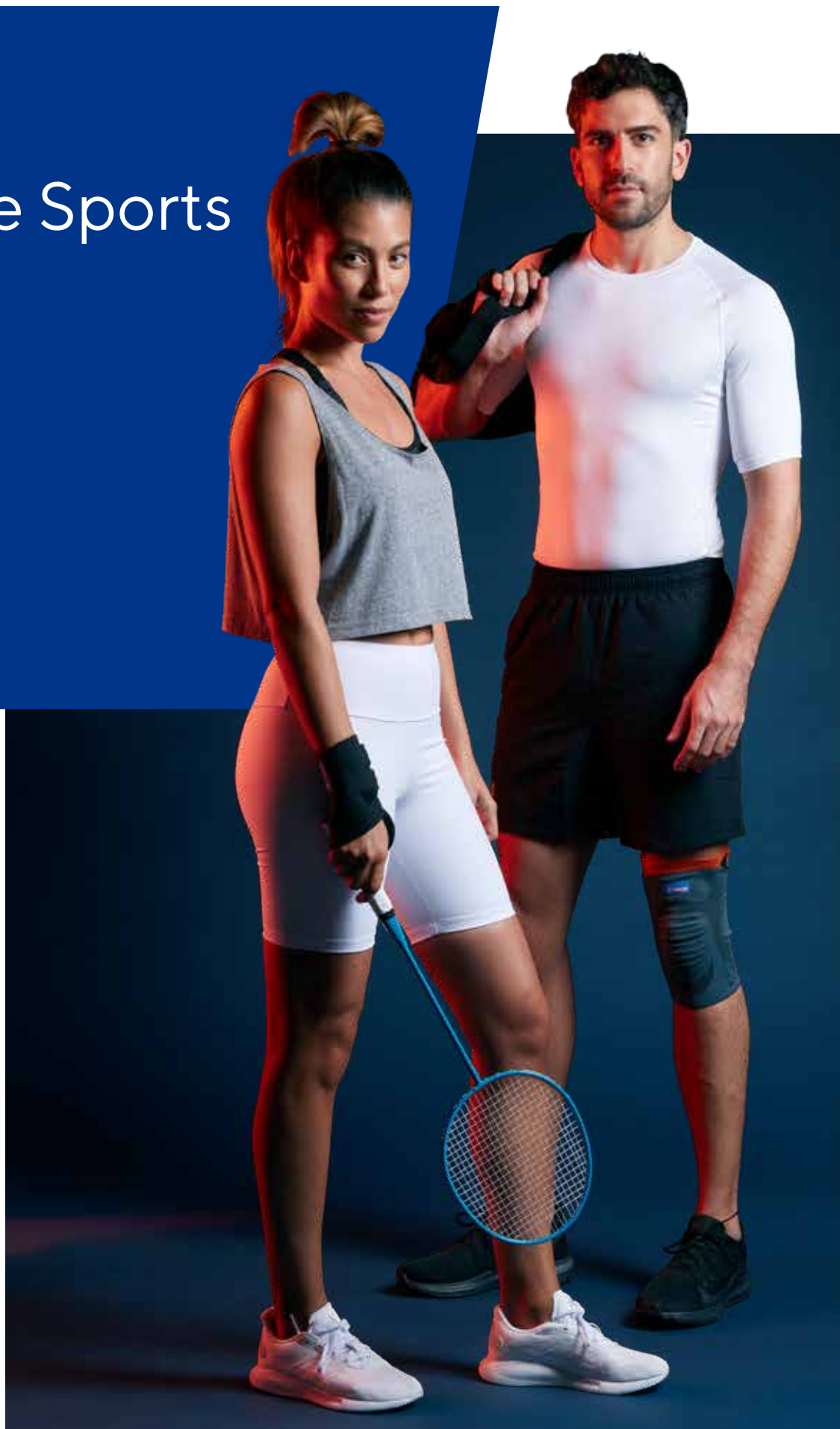
- Install Extension Assist Bands/Posts

## Measurements



# Thuasne Sports Range

**SPORT**





## Thuasne Sport Thumb Strapping

033204

### MAIN INDICATIONS

- Thumb osteoarthritis (rhizarthrosis).
- Immobilisation in case of pain or trauma of the thumb.

### MODE OF ACTION

Stabilisation of the thumb via a plastic wire stay.  
Anatomically-shaped wrap design and elastic fabric provide compression. Self-fastening strap maintains the brace in place.



Level of support



## Thuasne Sport Strapping Wrist Band

034002

### MAIN INDICATIONS

- Wrist tendinopathies.

### MODE OF ACTION

Elastic strap provides wrist support during physical activities.  
Adjustable self-fastening strap system to adjust compression level.



Level of support



## Thuasne Sport Elastic Wrist Support

057503

### MAIN INDICATIONS

- Wrist sprain.
- Wrist tendinopathies.

### MODE OF ACTION

Adjustable self-fastening strap system to adjust compression level.



Level of support



## Thuasne Sport Shoulder Support

057603

### MAIN INDICATIONS

- Shoulder and/or elbow injuries or inflammatory conditions.
- Shoulder subluxation or dislocation prevention (joint instability).
- Shoulder dislocation.

### MODE OF ACTION

Elastic fabric provides support to the shoulder.  
Flat seams enhance comfort.  
Anatomically-shaped to follow the movement of the shoulder.



Level of support

## Finger band

253501

### MAIN INDICATIONS

Finger injuries (sprains, dislocations), non-displaced fractures of the phalanges, resumption of activities/sport.

### ADAPTABILITY:

Trimnable

### SUPPORT:

Adjustable tightening





## Thuasne Sport Lumbar Support

036101

### MAIN INDICATIONS

- Non-specific low back pain (acute, subacute and chronic phases).
- Sport activities resumption.
- Lumbar or disc sprains.
- Lumbar muscles tears.

### MODE OF ACTION

Relieves lower back pain by providing support to the lumbar spine. 2 rigid and conformable dorsal stays provide support. 2 flexible stays on abdominal panel.

cm	S	M	L	XL	XXL
	60-70	71-86	87-102	103-121	122-140



Level of support



## Thuasne Sport Elbow Support

033801

### MAIN INDICATIONS

- Treatment of lateral or medial epicondylitis (tennis/golfer's elbow).
- Prevention of elbow tendinopathy recurrence.
- Support for physical activity resumption.

### MODE OF ACTION

Improved proprioceptive effect thanks to elastic knit. Even compression on the joint.

cm	S	M	L	XL
	22-24	25-27	28-30	31-33



Level of support



## Thuasne Sport Tennis-elbow Armband

035202

### MAIN INDICATIONS

- Treatment of lateral or medial epicondylitis (tennis/golfer's elbow).
- Joint effusions and swelling due to arthritis and arthrosis.

### MODE OF ACTION

Support and even compression on the epicondyle. Improved proprioceptive effect. Level of pressure is adjustable via tightening strap.

	1	2
	22-30	30-38







## Thuasne Sport Patellar Bandage

032902

### MAIN INDICATIONS

- Anterior knee or patella pain.
- Mild patella joint instabilities.
- Patella tendinopathy: runner's knee and jumper's knee syndrome.
- Patella joint or ligament inflammation.

### MODE OF ACTION

Ease of use: direct application on skin, under the knee, by the patella tendon.  
 Proprioceptive effect: due to pressure applied by silicone insert combined with self-fastening strap.  
 Easy to adjust and tighten via self-fastening strap closure.



## Thuasne Sport Thigh Support

057203

### MAIN INDICATIONS

- Muscular thigh injuries.
- Sport activities resumption.

### MODE OF ACTION

Muscle support.  
 Fabric limits heat loss benefiting muscles and joints.<sup>(1)</sup>  
 Anatomically-shaped.



Level of support

(1) CE marking data



## Thuasne Sport Open Knee Brace

057303

### MAIN INDICATIONS

- Knee pain and/or swelling management.
- Joint instability/laxity.
- Sport activities resumption.

### MODE OF ACTION

Knee brace with open patella.  
 Fabric limits heat loss benefiting muscles and joints.<sup>(1)</sup>



Level of support

(1) CE marking data



## Thuasne Sport Knee Support

033403

### MAIN INDICATIONS

- Knee pain and/or swelling management.
- Sport activities resumption.

### MODE OF ACTION

Compression and proprioceptive effect thanks to elastic knit.



Level of support



### Thuasne Sport Reinforced Knitted Knee Support

035401

**MAIN INDICATIONS**

- Knee pain and/or swelling management.
- Joint instability/laxity.
- Sport activities resumption.

**MODE OF ACTION**

The knee brace provides reinforced support during sports activities. Compression thanks to elastic knit. Support thanks to the flexible lateral stays. Comfort zone on the patella and popliteal area thanks to specific knit.



### Thuasne Sport Open Strapping Knee Brace

033103

**MAIN INDICATIONS**

- Joint instability/laxity.
- Knee pain and/or swelling management.
- Sport activities resumption.

**MODE OF ACTION**

Stabilisation of the ligaments: flexible lateral stays, double strapping system. Anti-slip system helps prevents the brace slipping during physical activity.



### Thuasne Sport Novelastic Knee Strap

027002

**MAIN INDICATIONS**

- Joint instability/laxity.
- Knee pain and/or swelling management.
- Sport activities resumption.

**MODE OF ACTION**

Stabilisation of the ligaments. Lateral support provided by 4 cross-straps. Even compression on joint and improved proprioceptive effect thanks to elastic knit and anatomical shape. Anti-slip system and flexible lateral stays prevent the brace slipping during physical activity.



### Thuasne Sport Reinforced Knee Support

057003

**MAIN INDICATIONS**

- Knee pain and/or swelling management.
- Joint instability/laxity.
- Sport activities resumption.

**MODE OF ACTION**

Two flexible lateral stays provide joint support. Reduced heat loss via synthetic rubber material (Chloroprene).<sup>(1)</sup>



### Thuasne Sport Reinforced Patellar Knee Brace

035501

**MAIN INDICATIONS**

- Anterior knee or patella pain.
- Mild patellar instability.
- Patella tendinopathy (including jumper's knee syndrome).
- Knee pain and/or swelling management.
- Sport activities resumption.

**MODE OF ACTION**

Stabilisation of the patella. Even compression on joint: anatomically-shaped elastic knit. Anti-slip system and flexible lateral stays help prevent the brace slipping. Ease of application: guiding zone on patella. Comfort zone on popliteal area.



### Thuasne Sport Reinforced Ligament Knee Brace

033503

**MAIN INDICATIONS**

- Preventive use for the knee ligament injuries (lateral ligaments).
- Joint instability/laxity.
- Knee pain and/or swelling management.
- Sport activities resumption.

**MODE OF ACTION**

Stabilisation of the ligaments provided by rigid hinged lateral uprights. Even compression on joint: anatomically-shaped elastic knit. Staggered straps to prevent tourniquet effect. The brace is maintained on the leg thanks to the lower suspension strap.



(1) CE marking data



## Thuasne Sport Open Ankle Support

057103

### MAIN INDICATIONS

- Joint instability/laxity.
- Proprioceptive support for rehabilitation
- Mild ankle sprain (acute phase).
- Sport activities resumption.

### MODE OF ACTION

Reduced heat loss via synthetic rubber material (Chloroprene).<sup>(1)</sup>

cm	S	M	L	XL
	19-20	21-22	23-24	25-27



Level of support



## Thuasne Sport Ankle Support

033303

### MAIN INDICATIONS

- Joint instability/laxity.
- Proprioceptive support for rehabilitation
- Mild ankle sprain (acute phase).
- Sport activities resumption.

### MODE OF ACTION

Compression and support of the ankle joint and muscles, comfort zones on the malleoli. Even compression on joint and improved proprioceptive effect thanks to elastic knit.

cm	S	M	L	XL	XXL
	19-21	21-23	23-25	25-27	27-30



Level of support



## Thuasne Sport Reinforced Ankle Support

035301

### MAIN INDICATIONS

- Joint instability/laxity.
- Proprioceptive support for rehabilitation.
- Mild ankle sprain (acute phase).
- Sport activities resumption.

### MODE OF ACTION

Even compression on joint thanks to elastic knit. Anatomically-shaped design and comfort zones on the malleoli.

cm	S	M	L	XL	XXL
	19-21	21-23	23-25	25-27	27-30



Level of support

(1) CE marking data



## Thuasne Sport Strapping Ankle Brace

033003

### MAIN INDICATIONS

- Joint instability/laxity.
- Proprioceptive support for rehabilitation.
- Mild ankle sprain (acute phase).
- Sport activities resumption.

### MODE OF ACTION

Even compression on joint thanks to elastic knit. Reduction of extreme lateral movements via double elastic strapping system. Perforated elastic structure helps evacuate moisture.

cm	S	M	L	XL
	19-22	22-25	25-28	28-30



Level of support



## Thuasne Sport Novelastic Strapping Ankle Brace

028002

### MAIN INDICATIONS

- Joint instability/laxity.
- Proprioceptive support for rehabilitation.
- Mild ankle sprain (acute phase).
- Sport activities resumption.

### MODE OF ACTION

Ankle support via figure-8 cross-strap preserving flexion-extension. Even compression on joint and improved proprioceptive effect thanks to elastic knit. Anatomically-shaped design and comfort zones on the malleoli.

cm	S	M	L	XL	XXL
	19-21	21-23	23-25	25-27	27-30



Level of support



## Thuasne Sport BOA® Stabilising Ankle Brace

035102

### MAIN INDICATIONS

- Firm ankle support.
- Moderate to severe ankle sprain.
- Joint laxity/chronic instability prevention during sport activities resumption.
- Tendinopathy treatment.
- Conservative treatment of Achilles tendon injuries.

### MODE OF ACTION

Stabilisation of the ankle joint via lateral rigid stays and elastic straps. Ease of application and adjustment : BOA® Fit System.

cm	S	M	L
	19-22	22-26	26-30



Level of support

BOA® is a registered trademark of BOA Technology Inc.

# Argicalm® Hot and Cold Pack

**INDICATED FOR**

**Pain relief**



**HOT:**  
Soothes pain, reduces inflammation, bruises and edema/  
swelling.



**COLD:**  
Soothes pain, increases blood flow, relaxes.

**Adaptability:**

Ergonomic pad, conformable thanks to the density of the clay

**Practical:**

Heating and cooling instructions printed on the clay pack  
and the protective cover

**Comfort:**

Washable and reusable velvet-effect protective sleeve.  
Elastic, self-fastening straps to adapt to different body shapes



	Size 1	Size 2	Size 3	Size 4	Child
Size					
Body part	Face - Elbow - Wrist	Knee - Ankle	Back - Abdomen	Neck - Shoulder	Any part of the body
Dimensions (cm)	19 x 11	26 x 13	30 x 20	43 x 17	12 x 8
EAN code	3111790055099	3111790055105	3111790055112	3111790055129	3111790055082



*Remember*

Strap that attaches to itself  
for perfect adaptability.



Attaches  
to itself



or to  
the button

To relieve the eyes  
with cold



## Cold mask - Argicalm®

### INDICATED FOR

**Use cold:** Soothes pain, reduces inflammation, bruises and edema/swelling.



**Practical:** precise targeting of the painful area: anatomical, conformable clay pad.

**Comfortable to the touch:** velvet-effect, soft PVC cover.

**Easy to use:** cooling instructions printed on the clay pack and the protective cover.

**Easy fitting:** touch-fastening elastic strap.  
Hand washable and reusable.

### Pain relief



**Cold:**  
Soothes pain, increases blood flow,  
relaxes.

Dimensions	EAN code
18 x 7.5 cm	3111790055136

# APOTHEEK ASSORTIMENT

Z-index	Artikelcode Thuasne	Artikelmomschrijving	Artikelgroep 1	Artikelgroep 2	VAP 2023 incl. BTW	BTW %
17087937	52200320100312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, zwart, maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17087945	52200320104212	Venoflex Kokoon absolu 2 kniekousen dames, normaal, honing, maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17087953	52200320104312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, beige, maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17087961	52200320200312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, zwart, maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17087988	52200320204212	Venoflex Kokoon absolu 2 kniekousen dames, normaal, honing, maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17087996	52200320204312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, beige, maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17088003	52200320300312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, zwart, maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17088011	52200320304212	Venoflex Kokoon absolu 2 kniekousen dames, normaal, honing, maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17088038	52200320304312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, beige, maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17088046	52200320400312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, zwart, maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17088054	52200320404212	Venoflex Kokoon absolu 2 kniekousen dames, normaal, honing, maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17088062	52200320404312	Venoflex Kokoon absolu 2 kniekousen dames, normaal, beige, maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186072	61200120100312	Venoflex Fast Coton 2 kniekousen dames, normaal, grijs, maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	9%
17186080	61200120107112	Venoflex Fast Coton 2 kniekousen dames, normaal, grijs, maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186099	61200120200312	Venoflex Fast Coton 2 kniekousen dames, normaal, zwart, maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186102	61200120207112	Venoflex Fast Coton 2 kniekousen dames, normaal, grijs, maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186110	61200120300312	Venoflex Fast Coton 2 kniekousen dames, normaal, zwart, maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186129	61200120307112	Venoflex Fast Coton 2 kniekousen dames, normaal, grijs, maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186137	61200120400312	Venoflex Fast Coton 2 kniekousen dames, normaal, zwart, maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
17186145	61200120407112	Venoflex Fast Coton 2 kniekousen dames, normaal, grijs, maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809459	61290120100312	Venoflex Fast Coton 2 kniekousen heren, normaal, zwart, maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809467	61290120107012	Venoflex Fast Coton 2 kniekousen heren, normaal, grijs rib , maat 1	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809475	61290120200312	Venoflex Fast Coton 2 kniekousen heren, normaal, zwart, maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809483	61290120207012	Venoflex Fast Coton 2 kniekousen heren, normaal, grijs rib , maat 2	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809491	61290120300312	Venoflex Fast Coton 2 kniekousen heren, normaal, zwart, maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809505	61290120307012	Venoflex Fast Coton 2 kniekousen heren, normaal, grijs rib , maat 3	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809513	61290120400312	Venoflex Fast Coton 2 kniekousen heren, normaal, zwart, maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16809521	61290120407012	Venoflex Fast Coton 2 kniekousen heren, normaal, grijs rib , maat 4	COMPRESSIEKOUSSEN	ASQUAL - FRANSE NORM	€ 32,95	21%
16157478	03320420100399	Sport duimbrace, zwart, maat S	ORTHESE / BRACE	DUIMBRACE	€ 31,95	21%
16157486	03320420200399	Sport duimbrace, zwart, maat M	ORTHESE / BRACE	DUIMBRACE	€ 31,95	21%
16157494	03320420300399	Sport duimbrace, zwart, maat L	ORTHESE / BRACE	DUIMBRACE	€ 31,95	21%
15918955	70900220101401	LIGAFLEX RHIZO duim, rechts, antraciet, maat 1	ORTHESE / BRACE	DUIMBRACE	€ 29,95	9%
15918939	70900220101402	LIGAFLEX RHIZO duim, links, antraciet, maat 1	ORTHESE / BRACE	DUIMBRACE	€ 29,95	9%
15919013	70900220201401	LIGAFLEX RHIZO duim, rechts, antraciet, maat 2	ORTHESE / BRACE	DUIMBRACE	€ 29,95	9%
15918947	70900220201402	LIGAFLEX RHIZO duim, links, antraciet, maat 2	ORTHESE / BRACE	DUIMBRACE	€ 29,95	9%
16157559	03380120100199	Sport elleboogbrace, lichtgrijs, maat S	ORTHESE / BRACE	ELLEBOOGBRACE	€ 20,95	21%
16157567	03380120200199	Sport elleboogbrace, lichtgrijs, maat M	ORTHESE / BRACE	ELLEBOOGBRACE	€ 20,95	21%
16157575	03380120300199	Sport elleboogbrace, lichtgrijs, maat L	ORTHESE / BRACE	ELLEBOOGBRACE	€ 20,95	21%
16157583	03380120400199	Sport elleboogbrace, lichtgrijs, maat XL	ORTHESE / BRACE	ELLEBOOGBRACE	€ 20,95	21%
16158938	03520220100199	Sport tenniselleboog brace, maat 1	ORTHESE / BRACE	ELLEBOOGBRACE	€ 27,95	21%
16158911	03520220200199	Sport tenniselleboog brace, maat 2	ORTHESE / BRACE	ELLEBOOGBRACE	€ 27,95	21%
16043774	23050320100199	SILISTAB EPI elleboog, grijs, maat 1	ORTHESE / BRACE	ELLEBOOGBRACE	€ 54,95	9%
16043790	23050320200199	SILISTAB EPI elleboog, grijs, maat 2	ORTHESE / BRACE	ELLEBOOGBRACE	€ 54,95	9%
16043812	23050320300199	SILISTAB EPI elleboog, grijs, maat 3	ORTHESE / BRACE	ELLEBOOGBRACE	€ 54,95	9%
16043847	23050320400199	SILISTAB EPI elleboog, grijs, maat 4	ORTHESE / BRACE	ELLEBOOGBRACE	€ 54,95	9%
16043863	23050320500199	SILISTAB EPI elleboog, grijs, maat 5	ORTHESE / BRACE	ELLEBOOGBRACE	€ 54,95	9%
16043898	23050320600199	SILISTAB EPI elleboog, grijs, maat 6	ORTHESE / BRACE	ELLEBOOGBRACE	€ 54,95	9%
14633876	70070220100199	CONDYLEX elleboog, grijs, maat 1	ORTHESE / BRACE	ELLEBOOGBRACE	€ 14,95	9%
14633884	70070220200199	CONDYLEX elleboog, grijs, maat 2	ORTHESE / BRACE	ELLEBOOGBRACE	€ 14,95	9%
16737997	03300320100399	Sport enkelbrace met banden, zwart, maat S	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16738004	03300320200399	Sport enkelbrace met banden, zwart, maat M	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16738012	03300320300399	Sport enkelbrace met banden, zwart, maat L	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16738020	03300320400399	Sport enkelbrace met banden, zwart, maat XL	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16158563	03330320100199	Sport enkelbrace, lichtgrijs, maat S	ORTHESE / BRACE	ENKELBRACE	€ 21,95	21%
16158571	03330320200199	Sport enkelbrace, lichtgrijs, maat M	ORTHESE / BRACE	ENKELBRACE	€ 21,95	21%
16158601	03330320300199	Sport enkelbrace, lichtgrijs, maat L	ORTHESE / BRACE	ENKELBRACE	€ 21,95	21%
16158636	03330320400199	Sport enkelbrace, lichtgrijs, maat XL	ORTHESE / BRACE	ENKELBRACE	€ 21,95	21%
16158644	03330320500199	Sport enkelbrace, lichtgrijs, maat XXL	ORTHESE / BRACE	ENKELBRACE	€ 21,95	21%
16158946	03530120100199	Sport enkelbrace, grijs-oranje, maat S	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16158954	03530120200199	Sport enkelbrace, grijs-oranje, maat M	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16158962	03530120300199	Sport enkelbrace, grijs-oranje, maat L	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16158970	03530120400199	Sport enkelbrace, grijs-oranje, maat XL	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
16158989	03530120500199	Sport enkelbrace, grijs-oranje, maat XXL	ORTHESE / BRACE	ENKELBRACE	€ 37,95	21%
15918874	21800420100199	LIGASTRAP MALLEO enkel, grijs, maat 1	ORTHESE / BRACE	ENKELBRACE	€ 52,95	9%
15918882	21800420200199	LIGASTRAP MALLEO enkel, grijs, maat 2	ORTHESE / BRACE	ENKELBRACE	€ 52,95	9%
15918904	21800420300199	LIGASTRAP MALLEO enkel, grijs, maat 3	ORTHESE / BRACE	ENKELBRACE	€ 52,95	9%
15918912	21800420400199	LIGASTRAP MALLEO enkel, grijs, maat 4	ORTHESE / BRACE	ENKELBRACE	€ 52,95	9%
16114027	21800420500199	LIGASTRAP MALLEO enkel, grijs, maat 5	ORTHESE / BRACE	ENKELBRACE	€ 52,95	9%
17008212	23610320000199	MALLEO ACTION, grijs, maat 0	ORTHESE / BRACE	ENKELBRACE	€ 29,95	9%
15918742	23610320100199	MALLEO ACTION, grijs, maat 1	ORTHESE / BRACE	ENKELBRACE	€ 29,95	9%
15918750	23610320200199	MALLEO ACTION, grijs, maat 2	ORTHESE / BRACE	ENKELBRACE	€ 29,95	9%
15918769	23610320300199	MALLEO ACTION, grijs, maat 3	ORTHESE / BRACE	ENKELBRACE	€ 29,95	9%
15918777	23610320400199	MALLEO ACTION, grijs, maat 4	ORTHESE / BRACE	ENKELBRACE	€ 29,95	9%
15918785	23610320500199	MALLEO ACTION, grijs, maat 5	ORTHESE / BRACE	ENKELBRACE	€ 29,95	9%
15687600	36000220100199	MALLEO SOFT, grijs, maat 1	ORTHESE / BRACE	ENKELBRACE	€ 19,95	9%
15687619	36000220200199	MALLEO SOFT, grijs, maat 2	ORTHESE / BRACE	ENKELBRACE	€ 19,95	9%
15687627	36000220300199	MALLEO SOFT, grijs, maat 3	ORTHESE / BRACE	ENKELBRACE	€ 19,95	9%
15687635	36000220400199	MALLEO SOFT, grijs, maat 4	ORTHESE / BRACE	ENKELBRACE	€ 19,95	9%
15687643	36000220500199	MALLEO SOFT, grijs, maat 5	ORTHESE / BRACE	ENKELBRACE	€ 19,95	9%
17110661	72000420005699	Argicalm Kids	ORTHESE / BRACE	HOT- / COLDPACK	€ 10,95	9%
16670515	72000420105699	ARGICALM, reusable hot/cold pack (clay) maat 1	ORTHESE / BRACE	HOT- / COLDPACK	€ 12,95	9%
16670531	72000420205699	ARGICALM, reusable hot/cold pack (clay) maat 2	ORTHESE / BRACE	HOT- / COLDPACK	€ 14,95	9%
16670558	72000420305699	ARGICALM, reusable hot/cold pack (clay) maat 3	ORTHESE / BRACE	HOT- / COLDPACK	€ 16,95	9%
16670566	72000420405699	ARGICALM, reusable hot/cold pack (clay) maat 4	ORTHESE / BRACE	HOT- / COLDPACK	€ 18,95	9%
17110688	72000429905699	Argicalm eyes	ORTHESE / BRACE	HOT- / COLDPACK	€ 14,95	9%
16738039	03310320100399	Sport kniebrace met banden, zwart, S	ORTHESE / BRACE	KNIEBRACE	€ 59,95	21%
16738047	03310320200399	Sport kniebrace met banden, zwart, M	ORTHESE / BRACE	KNIEBRACE	€ 59,95	21%
16738055	03310320300399	Sport kniebrace met banden, zwart, L	ORTHESE / BRACE	KNIEBRACE	€ 59,95	21%
16738063	03310320400399	Sport kniebrace met banden, zwart, XL	ORTHESE / BRACE	KNIEBRACE	€ 59,95	21%
16157508	03340320100199	Sport kniebrace, lichtgrijs, maat S	ORTHESE / BRACE	KNIEBRACE	€ 20,95	21%
16157516	03340320200199	Sport kniebrace, lichtgrijs, maat M	ORTHESE / BRACE	KNIEBRACE	€ 20,95	21%
16157524	03340320300199	Sport kniebrace, lichtgrijs, maat L	ORTHESE / BRACE	KNIEBRACE	€ 20,95	21%
16157532	03340320400199	Sport kniebrace, lichtgrijs, maat XL	ORTHESE / BRACE	KNIEBRACE	€ 20,95	21%
16157540	03340320500199	Sport kniebrace, lichtgrijs, maat XXL	ORTHESE / BRACE	KNIEBRACE	€ 20,95	21%
16158997	03540120100199	Sport kniebrace, grijs-oranje, maat S	ORTHESE / BRACE	KNIEBRACE	€ 39,95	21%
16159004	03540120200199	Sport kniebrace, grijs-oranje, maat M	ORTHESE / BRACE	KNIEBRACE	€ 39,95	21%
16159012	03540120300199	Sport kniebrace, grijs-oranje, maat L	ORTHESE / BRACE	KNIEBRACE	€ 39,95	21%
16159020	03540120400199	Sport kniebrace, grijs-oranje, maat XL	ORTHESE / BRACE	KNIEBRACE	€ 39,95	21%
16159039	03540120500199	Sport kniebrace, grijs-oranje, maat XXL	ORTHESE / BRACE	KNIEBRACE	€ 39,95	21%
16768051	03550120100199	Sport kniebrace met knieschijfsupport, grijs, S	ORTHESE / BRACE	KNIEBRACE	€ 51,95	21%
16768078	03550120200199	Sport kniebrace met knieschijfsupport, grijs, M	ORTHESE / BRACE	KNIEBRACE	€ 51,95	21%
16768086	03550120300199	Sport kniebrace met knieschijfsupport, grijs, L	ORTHESE / BRACE	KNIEBRACE	€ 51,95	21%
16768108	03550120400199	Sport kniebrace met knieschijfsupport, grijs, XL	ORTHESE / BRACE	KNIEBRACE	€ 51,95	21%
16768116	03550120500199	Sport kniebrace met knieschijfsupport, grijs, XXL	ORTHESE / BRACE	KNIEBRACE	€ 51,95	21%
15919676	21700320100199	LIGASTRAP GENU, grijs, maat 1	ORTHESE / BRACE	KNIEBRACE	€ 62,95	9%
15919684	21700320200199	LIGASTRAP GENU, grijs, maat 2	ORTHESE / BRACE	KNIEBRACE	€ 62,95	9%

Z-index	Artikelcode Thuasne	Artikelmomschrijving	Artikelgroep 1	Artikelgroep 2	VAP 2023 incl. BTW	BTW %
15919692	21700320300199	LIGASTRAP GENU, grijs, maat 3	ORTHESE / BRACE	KNIEBRACE	€ 62,95	9%
15919706	21700320400199	LIGASTRAP GENU, grijs, maat 4	ORTHESE / BRACE	KNIEBRACE	€ 62,95	9%
15919714	21700320500199	LIGASTRAP GENU, grijs, maat 5	ORTHESE / BRACE	KNIEBRACE	€ 62,95	9%
15919722	21700320600199	LIGASTRAP GENU, grijs, maat 6	ORTHESE / BRACE	KNIEBRACE	€ 62,95	9%
15918599	23040129900399	PATELLA BRACE, zwart met blauw, universeel	ORTHESE / BRACE	KNIEBRACE	€ 26,95	9%
15687899	23200320100199	GENUSOFT, grijs, maat 1	ORTHESE / BRACE	KNIEBRACE	€ 22,95	9%
15687902	23200320200199	GENUSOFT, grijs, maat 2	ORTHESE / BRACE	KNIEBRACE	€ 22,95	9%
15687910	23200320300199	GENUSOFT, grijs, maat 3	ORTHESE / BRACE	KNIEBRACE	€ 22,95	9%
15687929	23200320400199	GENUSOFT, grijs, maat 4	ORTHESE / BRACE	KNIEBRACE	€ 22,95	9%
15687937	23200320500199	GENUSOFT, grijs, maat 5	ORTHESE / BRACE	KNIEBRACE	€ 22,95	9%
15918661	23210220100199	GENUEXTREM, grijs, maat 1	ORTHESE / BRACE	KNIEBRACE	€ 42,95	9%
15918688	23210220200199	GENUEXTREM, grijs, maat 2	ORTHESE / BRACE	KNIEBRACE	€ 42,95	9%
15918696	23210220300199	GENUEXTREM, grijs, maat 3	ORTHESE / BRACE	KNIEBRACE	€ 42,95	9%
15918718	23210220400199	GENUEXTREM, grijs, maat 4	ORTHESE / BRACE	KNIEBRACE	€ 42,95	9%
15918726	23210220500199	GENUEXTREM, grijs, maat 5	ORTHESE / BRACE	KNIEBRACE	€ 42,95	9%
15918734	23210220600199	GENUEXTREM, grijs, maat 6	ORTHESE / BRACE	KNIEBRACE	€ 42,95	9%
17008247	23250320000199	GENUACTION, grijs, maat 0	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
15918602	23250320100199	GENUACTION, grijs, maat 1	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
15918610	23250320200199	GENUACTION, grijs, maat 2	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
15918629	23250320300199	GENUACTION, grijs, maat 3	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
15918637	23250320400199	GENUACTION, grijs, maat 4	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
15918645	23250320500199	GENUACTION, grijs, maat 5	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
15918653	23250320600199	GENUACTION, grijs, maat 6	ORTHESE / BRACE	KNIEBRACE	€ 32,95	9%
17110580	23460420009899	GENUPRO COMFORT, blauw, maat 0	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
17110602	23460420109899	GENUPRO COMFORT, blauw, maat 1	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
17110610	23460420209899	GENUPRO COMFORT, blauw, maat 2	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
17110629	23460420309899	GENUPRO COMFORT, blauw, maat 3	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
17110637	23460420409899	GENUPRO COMFORT, blauw, maat 4	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
17110645	23460420509899	GENUPRO COMFORT, blauw, maat 5	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
17110653	23460420609899	GENUPRO COMFORT, blauw, maat 6	ORTHESE / BRACE	KNIEBRACE	€ 59,95	9%
16177118	23700620100199	GENU DYNASTAB, grijs, maat 1	ORTHESE / BRACE	KNIEBRACE	€ 64,95	9%
16177126	23700620200199	GENU DYNASTAB, grijs, maat 2	ORTHESE / BRACE	KNIEBRACE	€ 64,95	9%
16182405	23700620300199	GENU DYNASTAB, grijs, maat 3	ORTHESE / BRACE	KNIEBRACE	€ 64,95	9%
16177134	23700620400199	GENU DYNASTAB, grijs, maat 4	ORTHESE / BRACE	KNIEBRACE	€ 64,95	9%
16177142	23700620500199	GENU DYNASTAB, grijs, maat 5	ORTHESE / BRACE	KNIEBRACE	€ 64,95	9%
16177150	23700620600199	GENU DYNASTAB, grijs, maat 6	ORTHESE / BRACE	KNIEBRACE	€ 64,95	9%
15687945	23940220100702	ORTEL C1 ANATOMIC hoog 7,5 cm, beige, maat 1	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15687988	23940220100704	ORTEL C1 ANATOMIC hoog 7,5 cm, blauw, maat 1	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688011	23940220100902	ORTEL C1 ANATOMIC hoog 9 cm, beige, maat 1	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688054	23940220100904	ORTEL C1 ANATOMIC hoog 9 cm, blauw, maat 1	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688089	23940220101102	ORTEL C1 ANATOMIC hoog 11 cm, beige, maat 1	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688119	23940220101104	ORTEL C1 ANATOMIC hoog 11 cm, blauw, maat 1	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15687953	23940220200702	ORTEL C1 ANATOMIC hoog 7,5 cm, beige, maat 2	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15687996	23940220200704	ORTEL C1 ANATOMIC hoog 7,5 cm, blauw, maat 2	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688038	23940220200902	ORTEL C1 ANATOMIC hoog 9 cm, beige, maat 2	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688062	23940220200904	ORTEL C1 ANATOMIC hoog 9 cm, blauw, maat 2	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688097	23940220201102	ORTEL C1 ANATOMIC hoog 11 cm, beige, maat 2	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688127	23940220201104	ORTEL C1 ANATOMIC hoog 11 cm, blauw, maat 2	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15687961	23940220300702	ORTEL C1 ANATOMIC hoog 7,5 cm, beige, maat 3	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688003	23940220300704	ORTEL C1 ANATOMIC hoog 7,5 cm, blauw, maat 3	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688046	23940220300902	ORTEL C1 ANATOMIC hoog 9 cm, beige, maat 3	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688070	23940220300904	ORTEL C1 ANATOMIC hoog 9 cm, blauw, maat 3	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688100	23940220301102	ORTEL C1 ANATOMIC hoog 11 cm, beige, maat 3	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
15688135	23940220301104	ORTEL C1 ANATOMIC hoog 11 cm, blauw, maat 3	ORTHESE / BRACE	NEKBRACE	€ 24,95	9%
17008220	24300220000301	LIGAFLEX MANU pols-duim, rechts, zwart, maat 0	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
17008239	24300220000302	LIGAFLEX MANU pols-duim, links, zwart, maat 0	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644197	24300220100301	LIGAFLEX MANU pols-duim, rechts, zwart, maat 1	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644103	24300220100302	LIGAFLEX MANU pols-duim, links, zwart, maat 1	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644200	24300220200301	LIGAFLEX MANU pols-duim, rechts, zwart, maat 2	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644111	24300220200302	LIGAFLEX MANU pols-duim, links, zwart, maat 2	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644219	24300220300301	LIGAFLEX MANU pols-duim, rechts, zwart, maat 3	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644138	24300220300302	LIGAFLEX MANU pols-duim, links, zwart, maat 3	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644227	24300220400301	LIGAFLEX MANU pols-duim, rechts, zwart, maat 4	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
15644146	24300220400302	LIGAFLEX MANU pols-duim, links, zwart, maat 4	ORTHESE / BRACE	POLS- & DUIMBRACE	€ 44,95	9%
16153979	03400229900399	Sport polsbrace, zwart, universeel	ORTHESE / BRACE	POLSBRACE	€ 12,95	21%
17037980	24350220000301	LIGAFLEX CLASSIC pols, rechts, zwart, maat 0	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
17038006	24350220000302	LIGAFLEX CLASSIC pols, links, zwart, maat 0	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643859	24350220100301	LIGAFLEX CLASSIC pols, rechts, zwart, maat 1	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643778	24350220100302	LIGAFLEX CLASSIC pols, links, zwart, maat 1	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643867	24350220200301	LIGAFLEX CLASSIC pols, rechts, zwart, maat 2	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643786	24350220200302	LIGAFLEX CLASSIC pols, links, zwart, maat 2	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643875	24350220300301	LIGAFLEX CLASSIC pols, rechts, zwart, maat 3	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643794	24350220300302	LIGAFLEX CLASSIC pols, links, zwart, maat 3	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643883	24350220400301	LIGAFLEX CLASSIC pols, rechts, zwart, maat 4	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15643808	24350220400302	LIGAFLEX CLASSIC pols, links, zwart, maat 4	ORTHESE / BRACE	POLSBRACE	€ 38,95	9%
15918890	24370220100199	LIGAFLEX CLASSIC OPEN pols, grijs, maat 1	ORTHESE / BRACE	POLSBRACE	€ 32,95	9%
15918920	24370220200199	LIGAFLEX CLASSIC OPEN pols, grijs, maat 2	ORTHESE / BRACE	POLSBRACE	€ 32,95	9%
15644774	70400220100399	DYNASTAB DUAL pols, zwart, maat 1	ORTHESE / BRACE	POLSBRACE	€ 31,95	9%
15644782	70400220200399	DYNASTAB DUAL pols, zwart, maat 2	ORTHESE / BRACE	POLSBRACE	€ 31,95	9%
15644790	70400220300399	DYNASTAB DUAL pols, zwart, maat 3	ORTHESE / BRACE	POLSBRACE	€ 31,95	9%
16981758	08740220100399	LOMBASTART, 21 cm hoog, maat 1, zwart	ORTHESE / BRACE	RUGBRACE	€ 54,95	9%
16981766	08740220200399	LOMBASTART, 21 cm hoog, maat 2, zwart	ORTHESE / BRACE	RUGBRACE	€ 54,95	9%
16981774	08740220300399	LOMBASTART, 21 cm hoog, maat 3, zwart	ORTHESE / BRACE	RUGBRACE	€ 54,95	9%
16981782	08740220400399	LOMBASTART, 21 cm hoog, maat 4, zwart	ORTHESE / BRACE	RUGBRACE	€ 54,95	9%
16981790	08740220500399	LOMBASTART, 21 cm hoog, maat 5, zwart	ORTHESE / BRACE	RUGBRACE	€ 54,95	9%
16981804	08760220100399	LOMBAFIRST, 21 cm hoog, maat 1, zwart	ORTHESE / BRACE	RUGBRACE	€ 49,95	9%
16981812	08760220200399	LOMBAFIRST, 21 cm hoog, maat 2, zwart	ORTHESE / BRACE	RUGBRACE	€ 49,95	9%
16981820	08760220300399	LOMBAFIRST, 21 cm hoog, maat 3, zwart	ORTHESE / BRACE	RUGBRACE	€ 49,95	9%
16981839	08760220400399	LOMBAFIRST, 21 cm hoog, maat 4, zwart	ORTHESE / BRACE	RUGBRACE	€ 49,95	9%
16981847	08760220500399	LOMBAFIRST, 21 cm hoog, maat 5, zwart	ORTHESE / BRACE	RUGBRACE	€ 49,95	9%
15575780	76800520100099	DYNACROSS hoog 26 cm, wit, maat 1	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575640	76800520106799	DYNACROSS hoog 26 cm, beige, maat 1	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575799	76800520200099	DYNACROSS hoog 26 cm, wit, maat 2	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575721	76800520206799	DYNACROSS hoog 26 cm, beige, maat 2	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575802	76800520300099	DYNACROSS hoog 26 cm, wit, maat 3	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575748	76800520306799	DYNACROSS hoog 26 cm, beige, maat 3	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575810	76800520400099	DYNACROSS hoog 26 cm, wit, maat 4	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575756	76800520406799	DYNACROSS hoog 26 cm, beige, maat 4	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575829	76800520500099	DYNACROSS hoog 26 cm, wit, maat 5	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575764	76800520506799	DYNACROSS hoog 26 cm, beige, maat 5	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575837	76800520600099	DYNACROSS hoog 26 cm, wit, maat 6	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
15575772	76800520606799	DYNACROSS hoog 26 cm, beige, maat 6	ORTHESE / BRACE	RUGBRACE	€ 51,95	9%
16738071	7545091000	MITELLA	ORTHESE / BRACE	SCHOUDEBRACE	€ 6,95	9%
17152585	25350129900599	VINGERSPALK (BUDDY) universele maat	ORTHESE / BRACE	VOETBRACE	€ 14,95	9%
15919269	65100120199999	PEDI PRO inlegzolen, transparant, maat 1	ORTHESE / BRACE	VOETBRACE	€ 42,95	21%
15919285	65100120299999	PEDI PRO inlegzolen, transparant, maat 2	ORTHESE / BRACE	VOETBRACE	€ 42,95	21%
15919293	65100120399999	PEDI PRO inlegzolen, transparant, maat 3	ORTHESE / BRACE	VOETBRACE	€ 42,95	21%
15919315	65100120499999	PEDI PRO inlegzolen, transparant, maat 4	ORTHESE / BRACE	VOETBRACE	€ 42,95	21%
15919854	66050120100599	PEDI PRO SOFTER hielkussens, transparant, maat 1	ORTHESE / BRACE	VOETBRACE	€ 28,95	21%
15919862	66050120200599	PEDI PRO SOFTER hielkussens, transparant, maat 2	ORTHESE / BRACE	VOETBRACE	€ 28,95	21%

# WINGS FOR YOUR HEALTH

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