



THUASNE

PRODUCT
CATALOG



Dear Customers,

We are pleased to share with you the new Orthopedic Bracing Solutions catalog from Thuasne USA.

In the past year, despite a challenging global climate (soaring prices, transportation costs, raw material shortages), we were able to limit the impact of these factors and ensure the delivery of our products, thanks in part to our integrated business model.

More than ever, Thuasne is committed to be by your side, as a strong partner, to provide innovative, and effective solutions to improve the mobility and the quality of life of our patients.

Our new solutions come from the hard work of our research & development, marketing, design and industrial teams.

We are by your side in the care of patients and we remain committed to developing services and content promoting mobility and agility.

Thank you for your trust and we wish you a wonderful and successful year.

Delphine Hanton
Chief Executive Officer

Elizabeth Ducottet
Président Directeur Général

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THUASNE GROUP

is 175 years old

Based in Saint-Etienne, the THUASNE Group has been building its knowledge and expertise for more than 175 years to conceive, develop, and manufacture medical devices that give patients and consumers the power to be active players in their own health.

With the experience and know-how of six generations of entrepreneurs, THUASNE offers concrete, simple, adapted, and innovative health solutions for improved mobility, in more than 85 countries. The Group is focused on supporting patients in the fields of orthopedics (spine, knee, ankle, wrist, and shoulder braces) medical compression (phlebology, lymphology, and wound healing), women's health (external breast forms and lingerie) and homecare.

Since the 2011 acquisition of Townsend Design and the 2016 acquisitions of Orthotic Composites and Quinn Medical, the Group continues to expand in the technical orthopedics space, bringing innovative products and solutions to clinicians and consumers.

THUASNE today is...



2,400
employees around
the globe



Sales of
250 M
euros in 2021



More than
50% of sales
made internationally



A commercial presence in
85 countries



14
industrial sites in Europe
and the United-States



22,000
professional customers



30 to 40
new product offerings
every year



Every **2 seconds**
a Thuasne brace is sold
somewhere around
the world

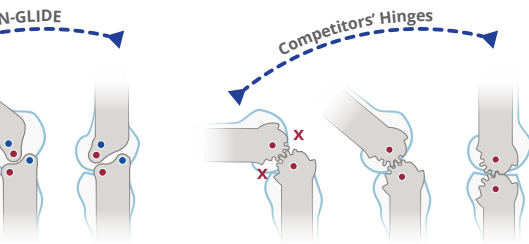
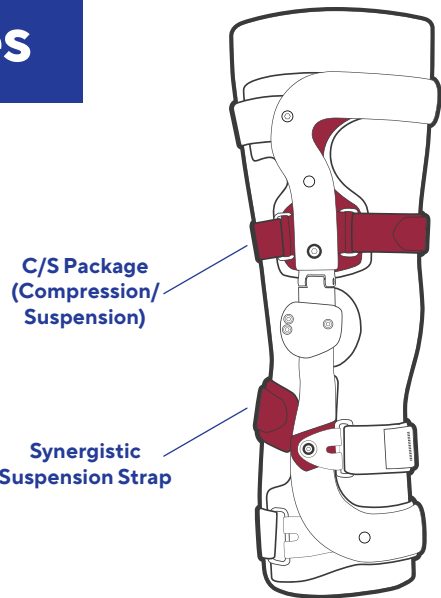
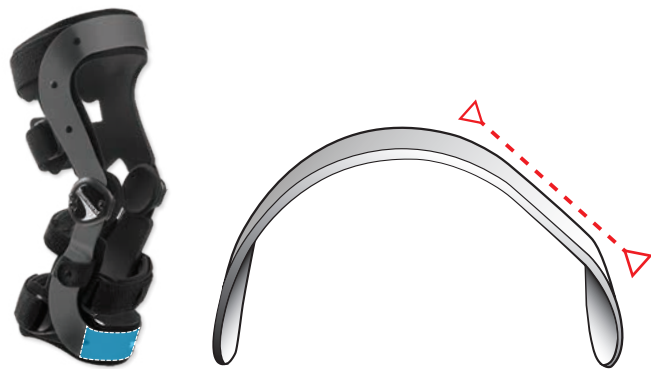


1 million
miles of knitted thread



3,500
miles of fabric produced
per year

Thuasne USA Core Technologies



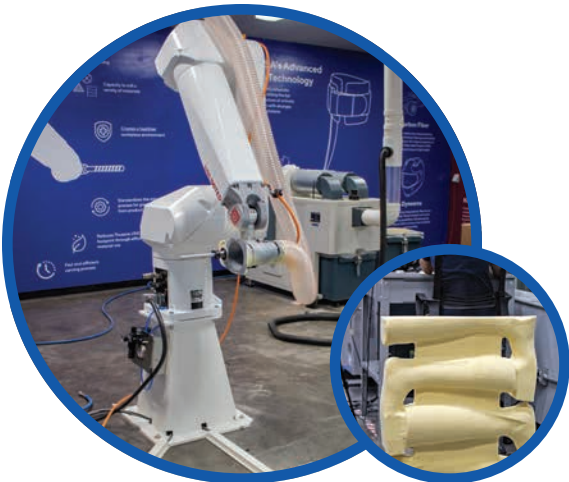
Core Technologies for Knee Orthoses

The Thuasne Motion Hinge tracks with the anatomical roll-and-glide of the knee keeping the brace properly positioned throughout range of motion. The Synergistic Suspension Strap maintains intimacy of fit and brace positioning by deploying a non-elastic strap at the top of the calf muscle. Rotation Control addresses rotary instability by contouring the brace to fit the flatter medial side of the tibia.



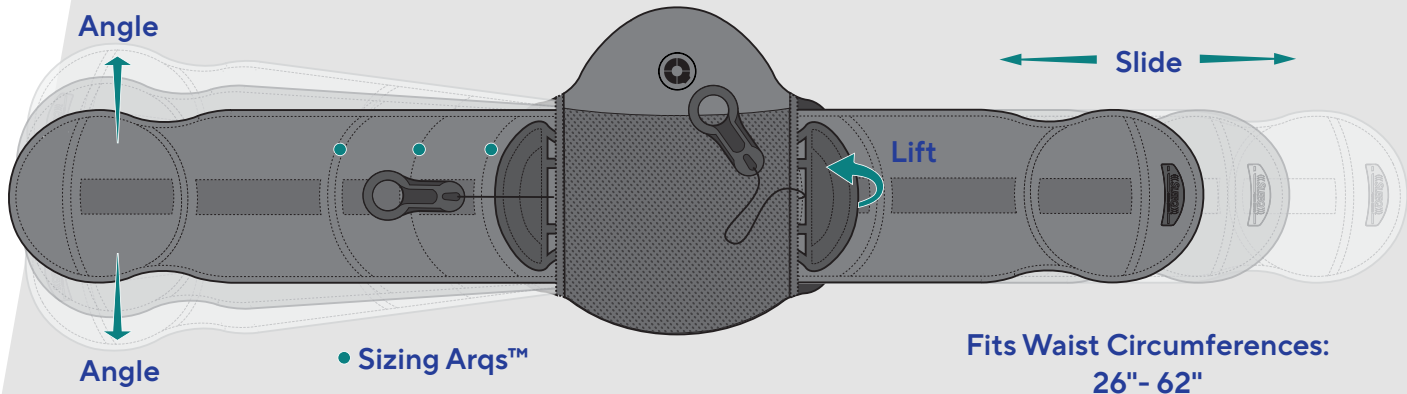
Proprietary Composite Technology

Thuasne USA's unique manufacturing process ensures each device is elegant, streamlined and lightweight without sacrificing strength or mechanical outcomes. Featuring a diverse range of composite materials, each with complementary mechanical properties, Thuasne USA's design philosophy focuses on three principles to ensure optimal outcomes: the thoughtful selection and merging of materials for the best combination of properties; optimizing the geometry, size and length of fibers, and ensuring the optimal ratio of fiber to matrix.



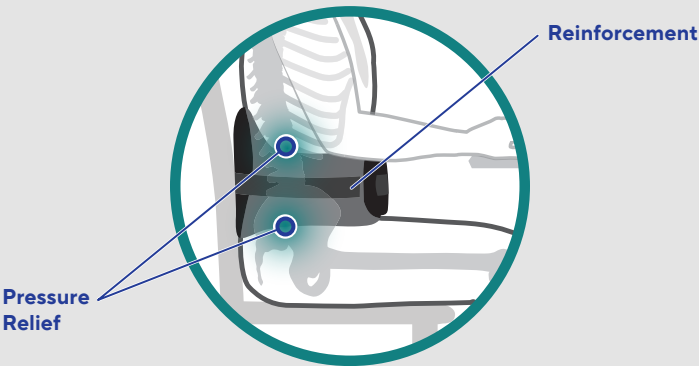
Rodin 4D 7-Axis Robot

Bringing cutting edge technology to Thuasne USA's manufacturing processes, the Rodin 4D 7-Axis Robot features multi-application functionality for carving, polishing, and grinding with an expanded capacity for milling a variety of materials. Fast, safe, and efficient, Rodin is helping Thuasne USA reduce its carbon footprint while standardizing the manufacturing process for greater uniformity from product to product.



SLEEQ® Technology

The SLEEQ® Universal family of LSO's and TLSO's has revolutionized back bracing with its simple adjustment technology perfect for all patient body sizes and types. With adjustable dual wings, crescent hook and loop connectors, corset style cinching methods and the ability to customize panel heights and support, the SLEEQ® range is a truly universal solution for a variety of indications and patient needs.



Dual Zone Technology wings allow compression to be maintained comfortably even while seated.



Knits

With a focus on textiles dating back to 1847, Thuasne's exclusive process for manufacturing ensures knitted braces are long lasting, easy to wear, effective, and safe. Thuasne's knits target pain and swelling while encouraging blood circulation and healing, they are hypoallergenic and latex free.



Spine

Featuring the SLEEQ® line of spinal bracing solutions that combines the optimal balance of support, and customizability with an unmatched patient and clinician experience.



SLEEQ® Max Universal TLSO
PDAC APPROVED L0464

SLEEQ® Max is the result of extensive research, development and testing that combines the innovative SLEEQ® universal brace platform with Thuasne’s trusted rigid brace designs. Our team of clinical experts has designed a post-op/post-injury universal TLSO that delivers maximum control with minimum effort for both the patient and clinician.

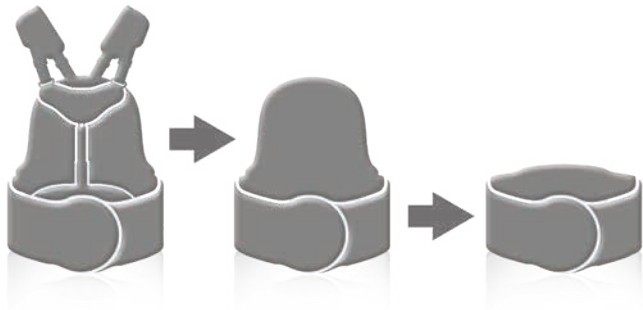
Recommended for: *Moderate to severe sagittal and coronal transverse plane motion restriction / increased intracavitary pressure to reduce spine and disc loading / mechanical or discogenic thoracic lumbar and extremity pain / post-operative spinal stabilization / fusion / degenerative disc disease / post-injury to facilitate healing / spondylolysis / spinal stenosis / spondylolisthesis / spondylosis, laminectomy / discectomy / facet syndrome / spinal muscle weakness / arthritis / low back sprains, strains and prophylactic back support.*

Features

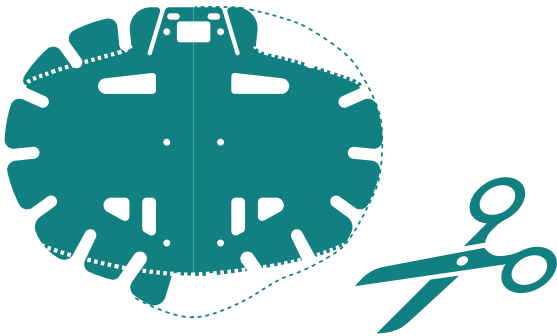
- Patented InvisAdjust™ universal sizing technology
- Rigid tri-planar control
- Steel sternal bar assembly
- Easy to apply & wear
- Full-circumference shell design
- Steps down to LSO to accommodate patient recovery



 Proudly Made in the USA



Steps Down to LSO



Anterior plate can be trimmed with scissors

Accessories

SLEEQ® Max EXT

For use with SLEEQ® Max only. Panel accommodates 54"-62" waists



SLEEQ® Max Short Sternal Bar

Replacement short bar that easily adapts the SLEEQ® Max TLSO to fit shorter patients





SLEEQ® Flex Universal TLSO

PDAC APPROVED L0456/L0457

Recommended for: *Mild to moderate osteoporosis / compression fractures / postural issues and kyphosis / chronic or acute low/mid back pain / osteoarthritis / degenerative disc disease / bulging or herniated disc / low-mid back sprains and strains / lumbar and trunk muscle weakness.*

Features

- Easy universal sizing technology fits waist sizes 26" – 57"
- Semi-rigid comfort enhancing design
- Highest quality breathable materials
- Ventilated self-molding support panels
- Wings can be angled and optimized to fit all body types
- Available extension panel accommodates waist sizes 57" – 65"

SLEEQ Adapt 456 Universal TLSO

L0456/L0457

Recommended for: *Stable, osteoporotic vertebral fractures / kyphosis with poor shoulder posture / spondylitis / arthritis / sagittal plane motion restriction / post-operative thoracic spinal support / post-injury thoracic spinal support.*

Featuring:

- Customizable rigid posterior panels with step-down capabilities
- Dual anterior wings with adjustable sizing arcs
- Posterior height adjustable Thoracare upright and backpack style straps
- Customizable felt wing inserts
- Universal sizing technology fits waist sizes 26" – 57" with added extension panel up to 65"

Osteomed Acute Universal Osteoporosis TLSO

PDAC APPROVED L0456/L0457

Recommended for: *Mild to moderate osteoporosis / compression fractures / postural issues and kyphosis / chronic or acute low to mid back pain / osteoarthritis / degenerative disc disease / bulging or herniated disc / low-mid back sprains and strains / lumbar and trunk muscle weakness / post-op thoracolumbar laminectomy, discectomy.*

Features

- Universal sizing reduces inventory – fit patients on first visit
- Easy adjustment of brace height, circumference and straps
- Telescopic rigid aluminum upright for custom contouring
- Simplified strapping system



Dorso Rigid

PDAC APPROVED L0472

Recommended for: *Compression fractures / traumatic fractures / osteoporotic and metastatic fractures / dorso-lumbar osteoarthritis / immobilization after surgical stabilization of thoracolumbar fractures.*

Features

- Lightweight telescoping aluminum alloy frame
- Easy to use lever lock tightening closure
- Spring assisted pelvic band articulates or locks at 0° or 18°
- Sternal pad self-adjusts for comfortable control
- Back pad positions horizontally or vertically

	Size	SM	MD Short	MD	LG Short	LG	XLShort	XL
 Pelvis CIRCUM		23 ½ – 29 ½"	29 ½ – 35 ½"	29 ½ – 35 ½"	35 ½ – 41 ¼"	35 ½ – 41 ¼"	41 ¼ – 45 ¼"	41 ¼ – 45 ¼"
 Pubic Symphysis To Sternum Height		12 ½"	12 ½"	13 ¾"	13 ¾"	15"	15"	16 ¾"


BOA® Duel TLSO

PDAC APPROVED L0464

Recommended for: *Sagittal, coronal, transverse plane motion restriction / increased intracavitary pressure to reduce spine and disc loading / mechanical or discogenic thoracic lumbar and extremity pain / post-operative spinal stabilization / fusion / degenerative disc disease / post-injury to facilitate healing / spondylolysis / spinal stenosis / spondylolisthesis / spondylosis laminectomy / discectomy / facet syndrome / spinal muscle weakness / arthritis / low back sprains, strains / prophylactic back support.*

Features

- Full-circumferential rigid support for the thoracolumbar spine
- Patentend Lacer Design Compression System
- Simple pull straps for easy tightening and adjustment

	Size	SM	MD	LG	XL	2XL
 Waist Measurement		25 – 30"	30 – 35"	35 – 42"	42 – 48"	48 – 57"





(((SLEEQ))) ADAPT

The SLEEQ®Adapt by Thuasne USA puts power in the hands of the clinician with an LSO that's designed to provide the greatest level of customization, while giving patients the comfort and support that fits their individual needs.

Recommended for: *for low back support / sagittal plane motion restriction (and coronal plane motion restriction on 637) / increased intracavity pressure to reduce spine and disc load / acute and/or chronic low back and lower extremity pain (sciatica) / recovery from post-operative spinal procedures or injury.*

Features

- Reinforced, customizable felt wing insert for greater support
- Wings can be angled to optimize fit for all body types
- Dual Zone Technology



SLEEQ ADAPT
PDAC APPROVED L0639

Lumbar-sacral orthosis with sagittal-coronal control and enhanced anterior panel

Step-Down System

Modular design easily accommodates progressive patient therapies.

Customizable Wings

Access to interior components gives clinicians the ability to customize rigidity for support and individual comfort.

Modifiable Support

Interior support panels can be trimmed and/or heat modified for maximum control

Accessories

SLEEQ® ADAPT EXT

Extension panel for waist accommodates 57"- 65" circumference



SLEEQ® ADAPT
PDAC APPROVED L0637

Lumbar-sacral orthosis with sagittal-coronal control



SLEEQ® ADAPT
PDAC APPROVED L0631

Lumbar-sacral orthosis



SLEEQ® ADAPT
PDAC APPROVED L0627

Low-profile lumbar-sacral orthosis



(((SLEEQ))) & SLEEQ® Air

SLEEQ® Universal Spine Brace

SLEEQ® spinal compression braces are known for comfort, patient compliance, and ease of adjustability. The innovative universal sizing adjustment and unique Dual-Zone wing construction allows fast and accurate fitting, while maintaining compression and relief where it's needed most. Pressure relief areas at the ribs and hips reduce brace migration and allow patients to maintain effective compression - even while seated.

Recommended for: Chronic or acute low back pain / degenerative disc disease / bulging or herniated disc / low back sprains or strains / lumbar and trunk muscle weakness / post-op lumbar stabilization / fusion / laminectomy / discectomy / fracture management / prophylactic low back support / decompressive procedures / facet syndrome / spinal stenosis / spondylolisthesis / spondylolysis / spondylosis / radiculopathy / injections.

SLEEQ® Features

- Patented InvisAdjust™ universal sizing technology
- Breathable open-cell foam padding
- Self-molding ventilated support panels
- Integrated/removable anterior panels
- Adult and pediatric applications fit 22" to 52" waists

SLEEQ® Air

The best features of our time-tested SLEEQ® spinal braces in a thinner, lighter, more breathable design. Effective support never felt so good.

SLEEQ® Air Features

- Patented InvisAdjust™ universal sizing technology fits 26"-57" waists
- Highest quality breathable materials
- Ventilated self-molding support panels
- Wings can be angled to optimize fit for all body types
- Dual Zone technology wing construction for maximum seated comfort
- Same standard compression and support as SLEEQ®

Options

- SLEEQ® Air EXT for use with SLEEQ Air only. Panel accommodates 52"-62" waists

AP



SLEEQ® AP PDAC APPROVED L0627/L0642

Low profile compression orthosis for lumbar pathologies

AP+



SLEEQ® AP+ PDAC APPROVED L0631/L0648

Enhanced profile compression orthosis for low thoracic and lumbar pathologies

APL



SLEEQ® APL PDAC APPROVED L0637/L0650

Enhanced profile compression orthosis with lateral support panels for low thoracic and lumbar pathologies

Accessories

SLEEQ® EXT

Extension panel for waist accommodates 57"-65" circumference

SLEEQ® Lateral Panels

Set of two lateral panels fits all SLEEQ® model braces

SLEEQ® Anterior Panel

Replacement panel that can be used on SLEEQ®, SLEEQ® Flex, & SLEEQ® Max

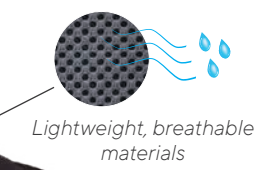
SLEEQ Air® AP PDAC APPROVED L0627/L0642



SLEEQ Air® AP+ PDAC APPROVED L0631/L0648

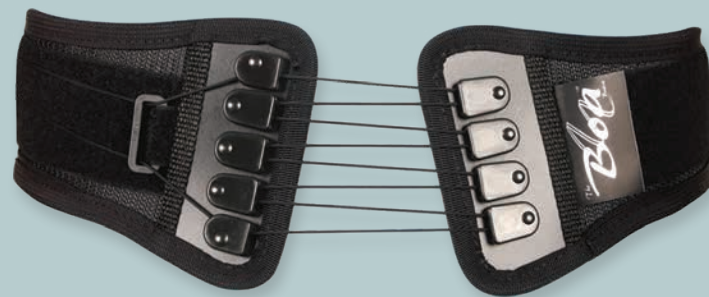


SLEEQ Air® APL PDAC APPROVED L0637/L0650





Single universal adjustable size
for waist circumference 33 ½ - 49 ¼"



LombaMum

PDAC APPROVED A9270

Recommended for: Pregnancy related low back pain / pregnancy related pelvic pain / abdominal support / sacroiliac support / muscle strain / symphysis pubis pain.

Features

- One-size-fits-all modular design to accommodate different sizes and phases of pregnancy
- Easy to apply
- Provides variable lumbar support that corrects the posture of pregnant women
- Adjustable stays support the curvature of the lumbar spine
- Adjustable support straps gently lift and relieve pressure off the bladder
- Soft and comfortable inner liner to prevent skin irritation
- Safe support without vascular or abdominal compression

REPLACEMENT PAD SET PRODUCT# T492851


BOA® SI

PDAC APPROVED L0621

Recommended for: Sacroiliac joint pain / instability / arthritis / sprains and strains / pelvic girdle and symphysis pubis dysfunction / SI and symphysis pubis issues related to post-partum / fracture management / sciatica.

Features

- Patented Lacer Design Compression System
- Simple pull straps for tightening and adjustment
- Ultra-low-profile design

	Size	SM	MD	LG
 Waist Measurement		25 - 35"	35 - 45"	45 - 55"



Shoulder & Elbow

Custom and off-the-shelf bracing solutions that protect, promote healing and stabilize the shoulder and elbow post injury, post-surgery or for use during sports.



Immo Classic

AeroSling II Universal Shoulder Orthosis

RECOMMENDED L-CODE L3960

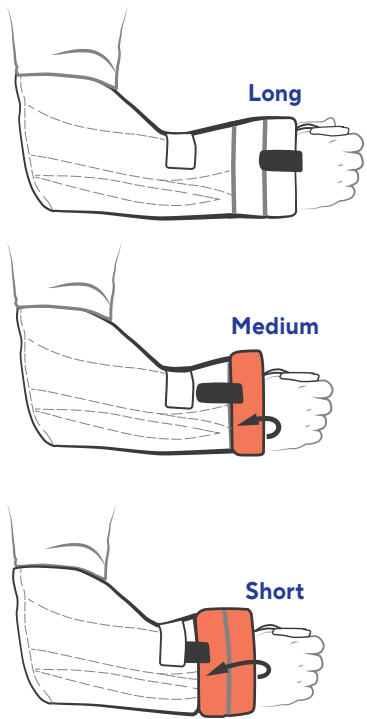
AeroSling II is the perfect universal solution for post-op / post-injury shoulder immobilization and positioning. The lightweight aluminum frame adapts to all body types and provides multi-planar adjustability for 30° and 90° abduction and rotational positioning. The patient experience is enhanced by premium breathable materials, a one-handed buckle design that makes donning easy, and as healing progresses, the brace steps down to a simplified sling.

Recommended for: Post-injury or post-surgical shoulder immobilization / rotator cuff injuries and repairs / joint reconstruction, glenohumeral dislocations / subluxation / muscle, ligament, and tendon repair / capsule repairs / shoulder instabilities / Bankart lesions / SLAP lesions.

Features

- Universal sizing reduces inventory
- 90° abduction bracket and 30° abduction bolster options standard with every sling
- Adjustability for specific post-op / post-injury rotation positioning
- Lightweight malleable frame easily adjusts to all body types
- Premium breathable materials
- One-handed buckle design provides easy donning
- Hand-grip keeps arm from migrating distally
- Adjusts for use on left or right shoulder

Adjustable length cuff



90° Abduction



Step down capability



Townsend Shoulder Sling (A)
PDAC APPROVED L3670

Recommended for: Immobilization for rotator cuff repairs / capsular shifts / glenohumeral dislocations / Bankhart repairs / subluxation / soft tissue repairs / strains.

Features

- Breathable fabric sling
- 30° abduction pillow
- Adjustable padded strap
- Exercise ball
- Two sizes based on arm length
- Universal left or right arm

	Size	S/M	L/XL
Arm Measurement	< 14"		> 14"

Elite Shoulder Sling (B)
PDAC APPROVED L3670

Recommended for: Immobilization for rotator cuff repairs / capsular shifts / glenohumeral dislocations / Bankhart repairs / subluxation / soft tissue repairs and strains.

Features

- Breathable mesh 30° abduction pillow and shoulder sling
- Quick-release buckles
- Dual reinforced elbow section
- Adjustable mesh neck padding
- Exercise ball
- Two sizes based on arm length
- Universal left or right arm

	Size	S/M	L/XL
Arm Measurement	< 14"		> 14"



Immo Classic (C)
PDAC APPROVED L3660

Recommended for: The immobilization of the elbow following injury / acute epicondylitis or epitrochleitis (tennis elbow) / immobilization following fracture of the scapula / analgesic immobilization of the shoulder, arm and forearm.

Features

- Provides immobilization of the elbow
- Adjustable protective foam pads allow for optimal shoulder and neck comfort
- Additional adjustable strap and abdominal strap for patient comfort and ease of use

	Size	1	2	3	4
Waist Measurement		19 ¾ – 28"	28 ¼ – 37"	37 ½ – 46"	46 ½ – 55"

Clavicular Straps Figure 8 (D)
PDAC APPROVED L3650

Recommended for: The treatment of collarbone fractures, with or without displacement.

Features

- Trimmable straps accommodate patient's size
- Articulating buckles provide anatomical and custom fit for each patient
- Dorsal foam anchoring pad provides optimal comfort
- Universal left or right

Measurement

Underarm width greater than 13 ½"





Functional Elbow


PDAC APPROVED L3760

Hand-built by Thuasne USA, the Functional Elbow brace is raising the industry standard for protection and suspension with a brace engineered to provide ultimate protection for the unique anatomy of the elbow.

Recommended for: Functional prophylactic use / chronic elbow injuries / mild to moderate soft tissue injuries / the treatment of stable fractures / postoperative use.

Features

- Universal left/right
- Moldable metal cuffs
- Anti-migration/anti-microbial pads
- Adjustable range-of-motion (ROM)
- Reversible strapping pattern
- Removeable medial condylar suspension wedge

Size	SM	MD	LG	XL
 Elbow CIRCUM	9 ¾ - 11 ¼"	11 ¼ - 12 ¾"	12 ¾ - 14 ¼"	+14 ¼"




Epi-Med

Recommended for: Medial epicondylitis (golfer's elbow) / lateral epicondylitis (tennis elbow) / tendinopathy (inflammation of the tendon attachments) in the elbow.

Features

- Comfortable arm band that provides dual targeted pressure on inflamed tendons
- Easy adjustment with Velcro fastening tabs

Size	XS	SM	MD	LG	XL
 Arm Measurement	8 ¾ - 9"	9 ½ - 9 ¾"	10¼ - 10 ¾"	11 - 11 ¾"	12¼ - 13 ½"




Silistab Epi

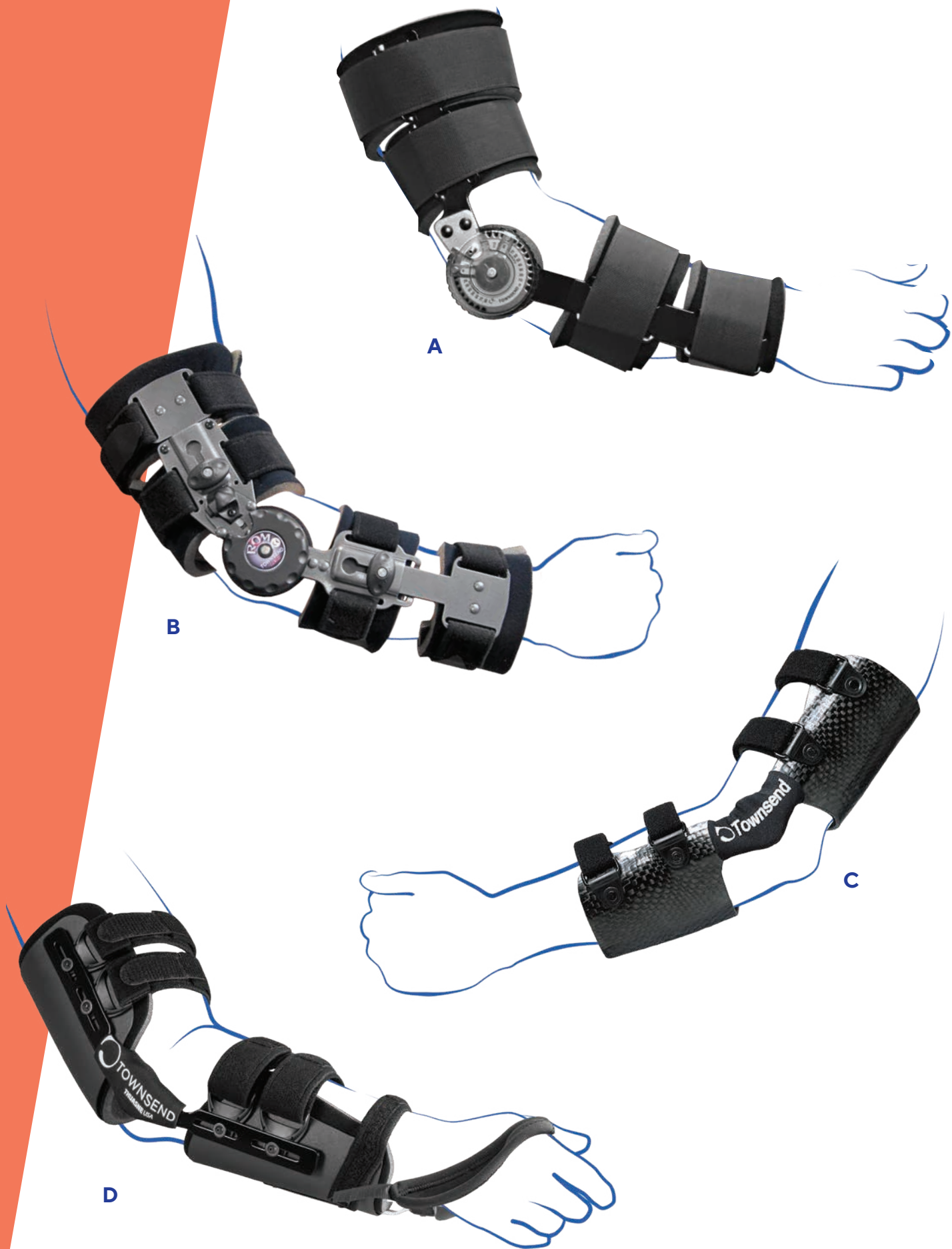
PDAC APPROVED L4466

Recommended for: Insertion epicondylitis (tennis elbow) / epitrochleitis (functional treatment) to prevent against future occurrences and give active support for sports activities and manual work situations.

Features

- Dimpled silicone elbow pad inserts massage during motion
- Provides support and compression
- Removable strap allows for additional compression
- Anatomically shaped elastic knit for optimal elbow crease comfort
- Patented pull tabs for easy application and removal

Size	1	2	3	4	5	6
 Arm Measurement	7 ½ - 8 ¾"	8 ¾ - 9 ¾"	9 ¾ - 11¼"	11 - 12¼"	12¼ - 13 ½"	13 ½ - 14 ½"



ROM Post-Op ^(A)

RECOMMENDED L-CODE L3760

Recommended for: Elbow injuries requiring short term stabilization / post-surgical fixation and/or range of motion control.

Features

- Easy adjust ROM hinges
- Aluminum bars can be contoured to patient's anatomy
- Locks at 90°
- Available with single or dual uprights
 - > **Dual upright universal left or right**
 - > **Single upright is available in left and right models**
- Available in 15" – 16" lengths

Custom Elbow Brace ^(C)

RECOMMENDED L-CODE L3720

Recommended for: Hyperextension injuries / chronic elbow instabilities requiring rigid stabilization / most often used by high performance athletes.

Features

- Carbon graphite shell
- Low profile hinges
- Extension stops: 0°, 15°, 30°, 45°, or 90°
- Flexion stops: 90°, 110°, and 120°
- Non-elastic straps

Options

- Shell length
- Colors or fabric inlay
- Extension bar and hand grip

Ordering

- Custom from a cast or digital arm scan

ROM LBO ^(B)

RECOMMENDED L-CODE L3760

Recommended for: Elbow injuries requiring short term stabilization / post-surgical fixation and/or range of motion control.

Features

- Tool-free adjustment
- Aluminum bars can be contoured to patient's anatomy
- Easy adjust ROM hinges
- Drop lock with fixation at 90°
- Breeze pads
- Available with single or dual uprights
 - > **Dual upright universal left or right**
 - > **Single upright is available in left and right models**
- Adjustable length 14 ½" – 17"

ROM Post-Op Low Profile ^(D)

RECOMMENDED L-CODE L3760


Recommended for: Post-operative elbow or arm surgery / collateral ligament sprains / Ulnar nerve injuries / stabilize fractures / radial fractures / lateral/medial epicondylitis.

Features

- Dual ROM hinges with extension and flexion stops
- Semi-Rigid adjustable cuffs
- Unique design for easy application

Options

- Optional hand extension bar

	Size	S/M	L/XL
 Arm Measurement	Up to 14"		14 – 15 ½"
Measure elbow crease to the MP crease			



Hand & Wrist

Comfortable and easy to use solutions that protect, stabilize and promote healing of the hand, wrist and fingers.




Ligaflex Action
PDAC APPROVED A4467

Recommended for: General weakness / postoperative conditions / post-traumatic conditions / sprained wrist / wrist tendinitis / weekend or torn TFCC ligaments / wrist instability.

Features

- Anatomically designed with Thuasne’s exclusive knit technology
- Silicone insert for comfortable protection of the ulnar condyle
- Smooth non-abrasive seams
- Adjustable pressure with removable, elastic form fitting straps
- Removable palmar splint for more active movement

	Size	1	2	3	4	5	6
 Wrist CIRCUM		5 ½ – 6"	6 – 6 ½"	6 ½ – 6 ¾"	6 ¾ – 7"	7 – 7 ½"	7 ½ – 8"



Ligaflex Pro (A)
PDAC APPROVED L3908

Recommended for: Light to moderate sprains / ligament or tendon related injury/trauma / osteo-neural injuries / wrist tendinitis / Carpal Tunnel Syndrome / Carpal Tunnel without surgery / postoperative immobilization.

Features

- Anatomical, conformable splint that supports the palm of the hand
- Lightweight and breathable micro-aerated 3D fabric
- Easy-to-use Quick Lacing System
- Universal left or right

	Size	1	2
 Wrist CIRCUM		5 – 6 ¾"	6 ¾ – 9"

Ligaflex Pro+ (B)
PDAC APPROVED L3807/L3809

Recommended for: Wrist sprains / thumb sprains / scaphoid fractures / tendinitis and tendon disorders of the wrist / thumb tendon disorders / inflammatory phases of rheumatic diseases / chronic post-traumatic or post-operative irritations / arthritis / wrist osteoarthritis.

Features

- Anatomical, conformable splint that supports the palm of the hand
- Lightweight and breathable micro-aerated 3D fabric
- Thumb spica for additional support
- Easy-to-use Quick Lacing System
- Available in left or right


	Size	1	2	3	4
 Wrist CIRCUM		5 – 6"	6 – 7"	7 – 7 ¾"	8 – 9"

Dynastab Dual (C)
RECOMMENDED L-CODE L3908

Recommended for: Mild sprains of the wrist (functional treatment) / tendinitis and tendon disorders of the wrist / inflammatory phases of rheumatic diseases.

Features

- Anatomical palmer stay provides wrist support
- Antibacterial-treated 3D knit for effective moisture-wicking
- Additional strap for extra stabilization
- Universal left or right

	Size	0	1	2	3
 Wrist CIRCUM		3 ½ – 4 ¾"	5 – 6 ¼"	6 ½ – 7 ¾"	7 ¾ – 9"

Ligaflex Rhizo (D)
PDAC APPROVED L3923/L3924

Recommended for: Light to moderate sprains / ligament and tendon related trauma / rhiartrosis / osteo-neural injuries / immobilization of the thumb.

Features

- Patented wire thumb frame for immobilization of the thumb joint
- Opening at the thumb column to prevent pressure on sensitive anatomy
- Antibacterial-treated 3D knit for effective moisture-wicking
- Particularly suitable for basal thumb arthritis
- Available in left or right

	Size	1	2
 Wrist CIRCUM		5 – 6 ¾"	6 ¾ – 9"



A



B



C



D


Ligaflex Classic Open (A)

PDAC APPROVED L3908

Recommended for: Light to moderate sprains / ligament or tendon related injury/trauma / osteo-neural injuries / wrist tendinitis / Carpal Tunnel Syndrome / Carpal Tunnel without surgery / postoperative immobilization.

Features

- Fully opens to accommodate swelling and allows for easy application and removal
- Conformable and X-ray friendly, radio-transparent stay in the palm region
- Available in left or right

Size	0	1	2
 Wrist CIRCUM	3 ½ – 4 ¾"	5 – 6 ¾"	6 ¾ – 9"

Ligaflex Manu (B)

RECOMMENDED L-CODE L3807

Recommended for: Mild sprains of the wrist (functional treatment) / following carpal tunnel interventions / tendinitis and tendon pathologies of the wrist / painful sequelae of injuries / mild sprains of the thumb / resumption of activities after Pouteau Colles distal radius fractures.

Features

- Conformable and X-ray friendly, radio-transparent stays in the palm and thumb region
- Lightweight and comfortable antibacterial-treated 3D knit for effective moisture-wicking
- 2 in 1 strapping for auto adjustment and support
- Available in left or right

Size	0	1	2	3	4
 Wrist CIRCUM	4 – 5"	5 – 6"	6 – 7"	7 – 7 ¾"	8 – 9"


Ligaflex® Finger (C)

RECOMMENDED L-CODE L3923/L3924

Recommended for: Long finger injuries such as sprains / dislocations / fractures (functional treatment or post-surgical support).

Features

- Four straps, two fixed and two removable, for optimized support and fit
- Wrist strap with anatomical shape to improve comfort during wear
- Curved stay covers and protects the finger while four straps stabilize the brace
- Rigidity for strict immobilization from the wrist up to the finger
- Adaptability to fit the patient's wrist, hand, and finger angulation
- Two stay positions: palmar or dorsal for optimum immobilization
- Machine washable

Size	1	2	3	4
 Tip of Injured Finger	< 5"	5 – 6 ¼"	6 ¼ – 7 ½"	7 ½ – 8 ¾"


Ligaflex® Boxer (D)

PDAC APPROVED L3807/L3809

Recommended for: Non-displaced 4th and 5th metacarpal fracture, postoperative 4th and 5th metacarpal support / use following strict plaster cast immobilization.

Features

- 3D inner breathable fabric for day-to-day comfortable wear
- Finger fabric separator to protect the immobilized finger
- Two shapeable rigid stays for a strict immobilization from the wrist to the finger
- Palmar and dorsal stays for optimum immobilization
- Full opening for easier application & positioning
- Convenient buckle loop tightening system
- Machine washable

Size	1	2	3	4
 Wrist CIRCUM	5 – 5 ¾"	6 – 6 ¾"	7 – 7 ¾"	8 – 9"

Knee

Custom and off-the-shelf bracing featuring Thuasne’s patented motion hinge technology and specialized knits.



Rebel Reliever®

PDAC APPROVED L1845 FOR THREE-MEASUREMENTS
PDAC APPROVED L1852 OFF-THE-SHELF

Clinically proven to reduce pain and instability while improving walking capacity, muscle function and quality of life. The Rebel Reliever’s patented LoadShifter mechanism and tool-less SnapLock technology gives patients power over their OA with the ability to increase corrective pressure for greater pain relief when they need it the most.

Recommended for: Moderate to severe medial or lateral osteoarthritis / as well as patients who have OA in combination with ligament instability.

Features

- Rigid aircraft grade aluminum frame
- Patented adjustable Dual LoadShifters
- Thuasne’s patented TM5+ hinge
- Exclusive Synergistic Suspension Strap
- Rotation control tibial shell contour




Options

- Tibial shell length 6", 7" or 8"
- Compression/Suspension anti-migration package
- Anti-migration strap padding
- PCL strap
- Flexion stop kit (extension stop kit included)
- Powdercoat finish in a variety of colors (see page 73)

Ordering Methods

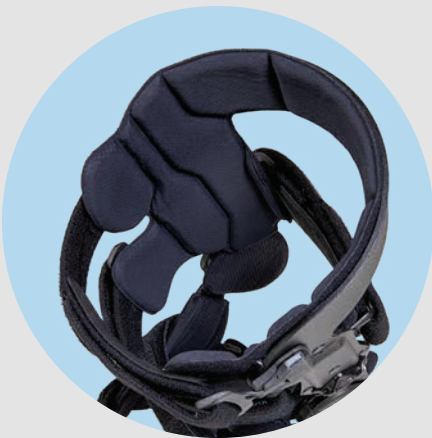
- OTS sizing
- Custom fit from three-measurements
- Custom from a cast or digital leg scan (see page 71)



Size	SM	MD	LG	XL	2XL
 CIRCUM 6" Above Knee	15 ½ – 18 ½"	18 ½ – 21"	21 – 23 ½"	23 ½ – 25"	25 – 28"
 M-L Width	3 ½ – 4"	4 – 4 ½"	4 ½ – 5"	5 – 5 ½"	5 ½ – 6"
 CIRCUM 6" Below Knee	12 ¼ – 13 ¾"	13 ¼ – 15"	14 ¼ – 15 ¾"	15 – 17"	17 – 19"



New! Strap Replacement Tabs
Now clinicians or patients can easily replace brace strapping at home or in the office.



New! Segmented Interior Padding
Easily trim or modify interior shell padding for a customized and intimate fit.



New! Quick Release Clips*
No need to fasten and unfasten straps, set your sizing once and use the clips for quick donning and doffing.

*additional fee for accessory



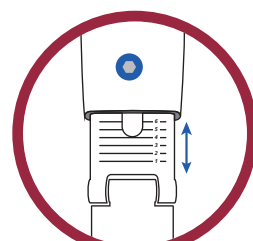
Reliever Air



Reliever

Reliever Air Lite

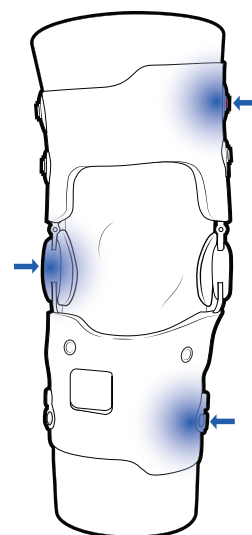
Lateral Extension



LoadShifter



TM5+ Hinge



Corrective Forces

Reliever, Reliever Air, & Reliever Air Lite

PDAC APPROVED BASE CODE L1846

Recommended for: Moderate to severe medial or lateral osteoarthritis and/or combination OA and ligament instability. Ideal for patients requiring soft tissue containment and maximum off loading.

Features

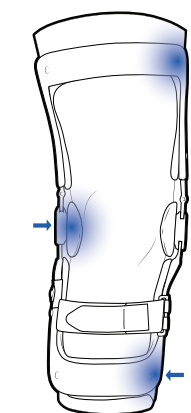
- Custom wet lamination carbon graphite shells
- Greater shell-to-skin contact for maximum control
- Thuasne's patented TM5+ hinge
- Patented LoadShifter
- Exclusive Synergistic Suspension Strap
- Anti-rotation tibial shell bolster (Reliever Air)

Options

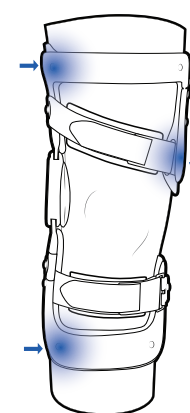
- Virtually any shell length or trimline
- Anti-migration strap padding
- Hinge material – aluminum or stainless
- Full figure model for soft tissue containment
- Flexion stop kit (extension stop kit included)
- A variety of colors or fabric inlay (see page 73)

Ordering Method

- Custom from a cast or digital leg scan (see page 71)



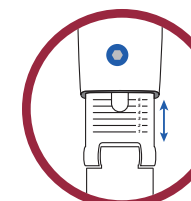
Corrective Forces
Premier Reliever



Corrective Forces
PR1



Lateral Extension



LoadShifter



TM5+ Hinge

Premier Reliever & PR1

PDAC APPROVED BASE CODE L1846 FOR DUAL HINGE

PDAC APPROVED BASE CODE L1844 FOR SINGLE HINGE

The Premier Reliever features a lightweight, low-profile custom carbon fiber design that provides comfortable unloading and pain relief through our patented LoadShifter technology.

The PR1 is a single upright custom carbon fiber brace that features an adjustable force buttress allowing for the ability to optimize counter force pressure. This model is ideal for lateral OA (no medial hinge).

Recommended for: Moderate to severe medial or lateral unicompartent osteoarthritis. The double upright model is recommended for combination OA and ligament instability. The single hinge PR1 is ideal for lateral OA.

Features

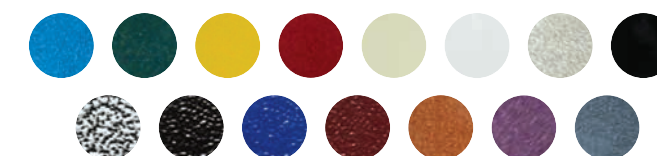
- Custom molded solid core carbon graphite shells
- Thuasne's patented TM5+ hinge
- Exclusive Synergistic Suspension Strap
- Rotation control tibial shell contour

Options

- 7" or 8" upper and lower
- Anti-migration strap padding
- Stainless Steel TM5+ with no LoadShifter
- Compression/Suspension anti-migration package in the double upright model
- Flexion stop kit (extension stop kit included)
- High gloss paint or powdercoat finish (see page 73)

Ordering Method

- Custom from a cast or digital leg scan (see page 71)



UniReliever

PDAC Approved L1843/L1851

Powerful OA correction in a brace that's lightweight, flexible, and easy to wear. The UniReliever from Thuasne USA is the universal OA bracing solution that's offering targeted relief and personalized fit, with trusted Thuasne hinge technology.

Featuring correction targets and individualized force offloading, the cross strap system with BOA dial technology makes it easy for patients to control their correction for greater pain relief.

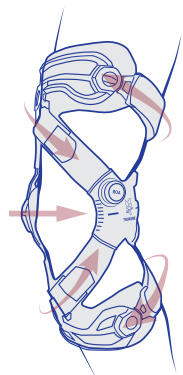
Recommended for: conditions requiring mild to moderate osteoarthritis uni-compartmental offloading / meniscal cartilage repair / avascular necrosis / varus and valgus instability

Features

- Consolidated cross strapping system with buttress designed to alleviate OA through even load disbursement
- Thuasne motion hinge technology with range of motion control
- Flexible open cuffs for a comfortable and breathable fit
- Antimicrobial and anti-migration padding with non-slip silicone webbing
- Formable uprights and trimmable straps
- BOA® fit system for precise force adjustment

Sizing

- Universal sizing, left or right



Single BOA® dial for a more convenient correction experience combined with patella targets for easier alignment with knee center. Consolidated strapping system with force buttress allows even disbursement of load at the point of application.

Flexible cuffs adapt to most patient morphology

Quick release buckles with strap sequence labeling for easy donning



Select Reliever

PDAC APPROVED L1843/ L1851

Give your patients the osteoarthritis relief they need with the Select Reliever from Thuasne USA. Improve patient compliance and manage inventory with this low profile, universal design perfect for medial and lateral OA.

Features

- Lightweight, low-profile, single upright OA brace.
- Quick release buckle system for easy-on and easy-off eliminates need for strap adjustments with every use.
- Maximized 3 points of leverage for medial compartment.
- Specially designed to correct medial and lateral OA with a lateral frame application.
- Lateral uprights avoid opposite limb during gait, increasing comfort and patient compliance.

Ordering

Hinge Side	
IN	Left Lateral/Right Medial
OUT	Right Lateral/Left Medial



Active Reliever

PDAC APPROVED L1843/ 1851



Recommended for: Unicompartment osteoarthritis / articular cartilage defect repair / meniscal cartilage repair or osteochondral defect repair.

Features

- Breathable spacer fabric sleeve with posterior expandable Lycra panel
- Thuasne's patented TM5+ hinge
- Corrective force strap applies maximum counterforce at midstance phase of gait
- Patient friendly quick release buckles
- Anterior opening thigh section for easy-on and easy-off

Options

- Medial or lateral OA
- Left or right leg

Size	XS	SM	MD	LG	XL	2XL	3XL
 CIRCUM 6" Above Knee	13 - 15"	15 - 18"	18 - 21"	21 - 23"	23 - 26"	26 - 29"	29 - 32"
 CIRCUM 6" Below Knee	10 - 12"	12 - 14"	14 - 16"	16 - 18"	18 - 20"	20 - 22"	



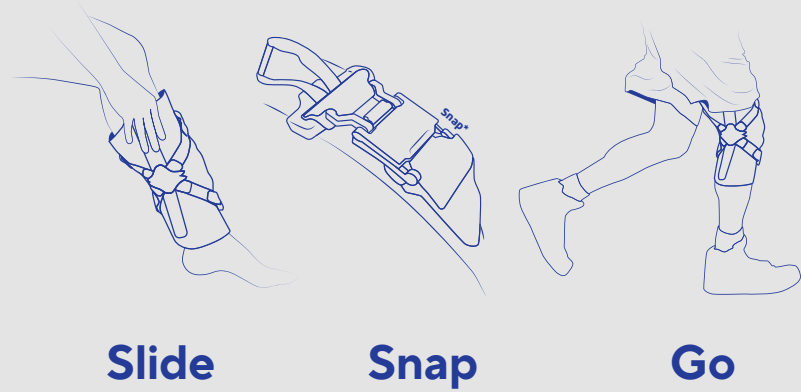
Action Reliever

PDAC APPROVED L1843/ L1851

Relieve pain and inflammation while increasing mobility and improving quality of life. The Action Reliever uses compression and a patented three-point strapping system to create a comfortable and easy to use brace with an ultra-low-profile look and fit.

Recommended for: Mild to moderate medial or lateral osteoarthritis / simple application for active patients looking for a slim and comfortable OA bracing solution.

Magnetic buckles for an easy apply and go.



Features

- Inflammation-reducing compression and alignment-enhancing stabilization.
- Three-point strapping system relieves pain and increases mobility.
- Ultra-low-profile fit disappears under clothing
- Super slim magnetic buckles for an easy self-connect.

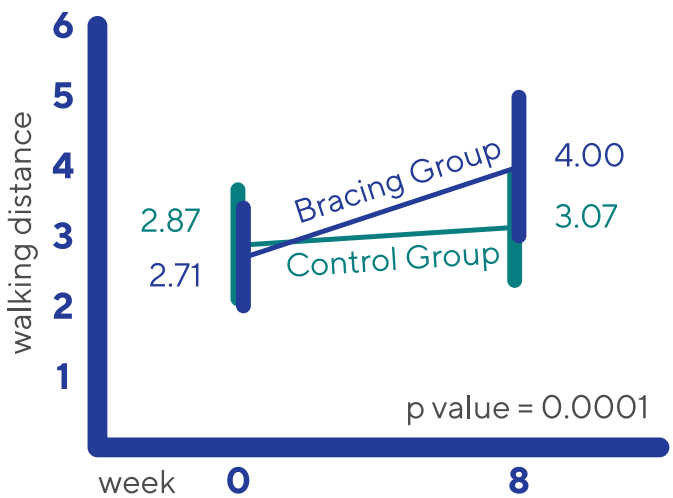
Options



- Medial or lateral OA
- Right or left leg

Pain Reduction

By wearing the brace, the pain on exertion was reduced and the pain-free distance extended.

Dr M. Benning, CTR, Version 1; 31-03-2017. Prospective randomized comparative study to demonstrate the medical benefits and ease of use during practical application of: Thuasne Action Reliever.



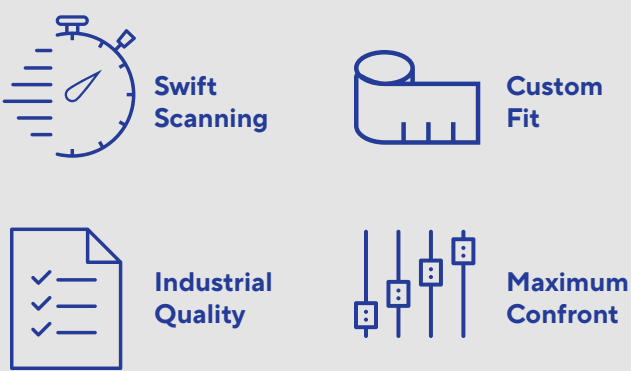
Size	1	2	3	4	5	6	7	8
 CIRCUM 5 1/2" Above Knee	15 – 16 1/4"	16 1/4 – 17 3/4"	17 3/4 – 19"	19 – 20 1/2"	20 – 21 1/2"	21 – 22 1/2"	22 – 24"	24 – 26 1/2"
 CIRCUM 4 3/4" Below Knee	11 – 12 1/4"	12 1/4 – 13 3/4"	13 3/4 – 15"	15 – 16 1/2"	16 1/2 – 17 1/2"	17 1/2 – 18 1/2"	18 1/2 – 20"	20 – 21 1/4"



Rebel 3D

PDAC APPROVED L1846

Key Features



Color Options



Ligament Knee Orthosis

Lightweight, cutting edge, and truly custom support for ligament injuries or following reconstructive knee surgery.*

OA Knee Orthosis

Provides comfortable offloading and pain relief for mild to moderate medial or lateral unicompartmental osteoarthritis

Features

- 3D Printed custom ultralight knee brace – weighs less than a 1lb.
- Latest 3D scanning technology provides a precise and intimate fit
- Multiple frame thickness and length options
- BOA fit system – allows patient to achieve perfect fit and support while enhancing suspension
- Not recommended for severe medial or lateral OA or extreme varus/ valgus angles

*Not recommended for impact sports, 350lb weight limit.

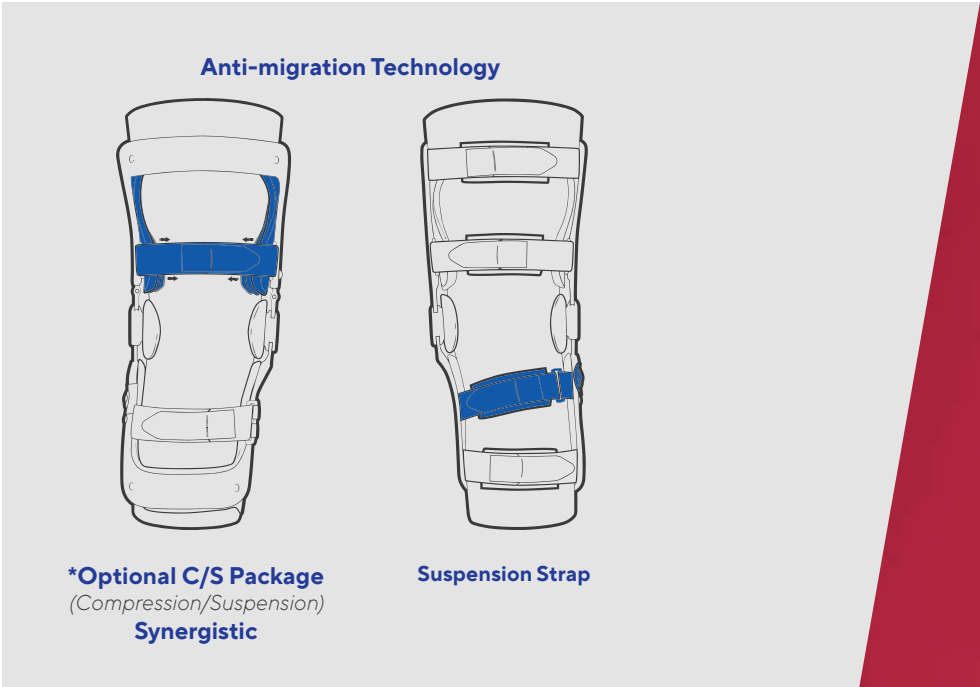
BOA® stiffness adjustment system

The integrated patented BOA dial system, recognized worldwide for its reliability and durability, allows the user to precisely adjust the fit of the brace . This allows the patient to achieve the perfect combination of of correction and support, while limiting migration.





Featured in
Matte Grey



Rebel Series Braces

PDAC APPROVED L1845 FOR THREE-MEASUREMENTS
PDAC APPROVED L1852 OFF-THE-SHELF

The ultimate solution for recovery and protection, the Rebel Series line of knee braces combines high-grade aluminum with Thuasne USA's trusted core technologies. Featuring the patented TM5+ hinge, shell options ranging in strength and size, suspension technology, rotation control and a three-measurement custom fit, the Rebel Series is the perfect choice for a variety of patients and activity levels.

Recommended for: Ligament injuries and/or reconstructive knee surgery.

Features




- Rigid aircraft grade aluminum frame
- Thuasne's patented TM5+ hinges
- Exclusive Synergistic Suspension Strap
- Rotation control tibial shell contour

Options

- Available in three different frames
 - > **Rebel Lite (lowest weight, less rigid) 13" only**
 - > **Rebel (ideal for most patients)**
 - > **Rebel Pro (heavy users and contact sports)**
- Anti-migration strap padding
- ACL or combined instabilities
- 6", 7", or 8" lower; 7" or 8" upper
- Compression/Suspension anti-migration package*
- Flexion stop kit (extension stop kit included)
- Powdercoat finish in a variety of colors (see page 73)

Ordering Methods

- OTS sizing
- Custom fit from three-measurements
- Custom from a cast or digital leg scan (see page 71)

Size	XS	SM	MD	LG	XL	2XL	3XL	
 CIRCUM 6" Above Knee	12 ½ – 15 ½"	15 ½ – 18 ½"	18 ½ – 21"	21 – 23 ½"	23 ½ – 25"	25 – 28"	28 – 31"	*Rebel Pro 14" only
 M-L Width	3 – 3 ½"	3 ½ – 4"	4 – 4 ½"	4 ½ – 5"	5 – 5 ½"	5 ½ – 6"	6 – 6 ½"	
 CIRCUM 6" Below Knee	11 – 12 ½"	12 ¼ – 13 ¾"	13 ¼ – 15"	14 ¼ – 15 ¾"	15 – 17"	17 – 19"	19 – 21"	





Air Lite



Air Townsend



Air Townsend & Air Lite

PDAC APPROVED CODE L1846

Recommended for: Patients who desire or require maximum control after experiencing a ligament injury and/or reconstructive knee surgery.

Features

- Greater shell-to-skin contact for maximum control
- Custom wet lamination carbon graphite shells
- Thuasne's patented TM5+ Hinge
- Exclusive Synergistic Suspension Strap
- Anti-rotation tibial shell bolster available in the Air Townsend

Options

- Custom shell lengths
- Anti-migration strap padding
- Aluminum or stainless hinge material
- Special trim lines and full figure models
- Flexion stop kit (extension stop kit included)
- A variety of colors or fabric inlay (see page 73)

Ordering Method

- Custom from a cast or digital leg scan (see page 71)



Premier Series

PDAC APPROVED BASE CODE L1846

Recommended for: Ligament injuries and/or reconstructive knee surgery or prophylactic use.

Features

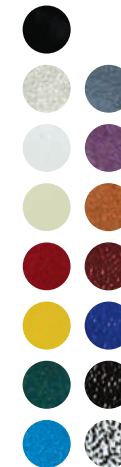
- Custom molded solid core carbon graphite shells
- Thuasne's patented TM5+ Hinge
- Exclusive Synergistic Suspension Strap
- Rotation control tibial shell contour

Options

- ACL or combined instabilities
- Anti-migration strap padding
- 13, 14, 15- and 16-inch shell length
- Hinge material – aluminum or stainless
- Compression/Suspension anti-migration package
- Flexion stop kit (extension stop kit included)
- High gloss paint or powdercoat finish (see page 73)

Ordering Method

- Custom from a cast or digital leg scan (see page 71)



Accessories available for use with a variety of knee braces



C/S Wrap

PDAC Suggested L2397

One Size Fits All

- Improves brace suspension
- Reduces migration
- Limits rotation
- Prevents chafing or irritation



The Spooner

PDAC Suggested L2800/L2795

One Size Fits All

- Controls patella instabilities
- Ensures proper brace alignment
- Soft universal J-shaped patella buttress
- Easily retrofits to most Thuasne USA rigid knee braces



Neoprene Under Sleeve

PDAC Suggested L2397

Sizing: XS, S, M, L, XL, 2XL

- Eliminates chafing
- Reduces chance of skin irritation
- Improves tissue containment
- Increases comfort



Under Sleeve (18 & 22")

PDAC Suggested L2397

Sizing: XS, S, M, L, XL, 2XL

- Cotton material
- Eliminates chafing
- Reduces chance of skin irritation
- Improves tissue containment and compression
- Increases comfort



Sports Cover

Sizing: SM/MD, LG/XL

- Padding protects frame and hinge during activities
- Suitable for team or contact sports
- Keeps hinges clear of dirt and debris
- Polyester material ensures a snug fit over brace

X-treme Guard

PDAC SUGGESTED L2795

Universal Sizing

- Recommended for motor sport activities or high-impact activities
- Shock absorbing
- Soft interior padding designed for comfort
- Modular design compatible with most Thuasne USA rigid knee braces





RebelLock

PDAC APPROVED L1845/L1852

Recommended for: Severe instabilities requiring a locking orthosis.

Features




- Exclusive Synergistic Suspension Strap
- Anti-migration strap padding
- Anti-rotation tibial shell
- Compression/Suspension Package

Options

- 14, 15- and 16-inch shell length
- Locking position can be set at 0° or 5°
- Flexion stops at 30°, 60°, or 90°
- Extension Assist
- Powdercoat finish in a variety of colors (see page 73)

Ordering Method

- Custom fit from three-measurements
- Custom from a cast or digital leg scan (see page 71)

Size	XS	SM	MD	LG	XL
 CIRCUM 6" Above Knee	12 ½ – 15 ½"	15 ½ – 18 ½"	18 ½ – 21"	21 – 23 ½"	23 ½ – 25"
 M-L Width	3 – 3 ½"	3 ½ – 4"	4 – 4 ½"	4 ½ – 5"	5 – 5 ½"
 CIRCUM 6" Below Knee	11 – 12 ½"	12 ¼ – 13 ¾"	13 ¼ – 15"	14 ¼ – 15 ¾"	15 – 17"



Motocross Series

PDAC SUGGESTED L1846

Recommended for: Motocross riders who have experienced ligament injuries and/or reconstructive knee surgery or prophylactic use.

Features

- Custom wet lamination carbon graphite shells
- Thuasne's patented TM5+ hinge
- Exclusive Synergistic Suspension Strap available in the Motocross Air
- Second shell pad with no patella guard
- Anti-migration strap padding

Options

- Shell length (Motocross Air)
- Hinge material – aluminum or stainless (Motocross Air)
- Flexion stop kit (extension stop kit included)
- A variety of colors or fabric inlay (Motocross Air) (see page 73)

Ordering Method

- Custom from a cast or digital leg scan (see page 71)



Motocross Air

EXOGUARD

PDAC APPROVED L1846

Recommended for: Active patients returning to sports after ligament injury or reconstructive surgery or prophylactic use.

Combining the most advanced composite technology with Thuasne's tradition of perfect fit and function, EXOGUARD provides the ultimate protection for athletes.

Features

- Thuasne's patented TM5+ hinge
- Extremely durable yet lightweight structure
- Synergistic Suspension Strap
- Unique tibial shell design and vacuum lamination process for superior rotary control
- Superior durability in lateral impact testing

Options

- Available with light weight, aircraft grade aluminum or high strength, stainless-steel hinge
- Flexion stop kit (extension stop kit included)
- HD lamination option designed for high impact sports

Ordering Method

- Custom from a cast or digital leg scan (see page 71)





ROM-R

PDAC APPROVED CODE L1832/L1833

Recommended for: Patients who require post-operative fixation and/or range of motion control for post-injury stabilization.

Features

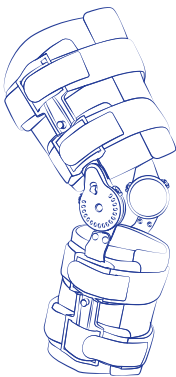
- ROM hinges with drop locks and tool-free adjustable flexion and extension settings
- Sturdy aluminum struts with extendable ends that telescope from 19" to 26" in ½" increments
- Comfortable and light weight
- Malleable paddles with individual cool pads can be contoured to the leg to achieve an intimate fit, increase stabilization and improve brace suspension
- Universal size, no measurement required
- Easy to adjust

Options

- Full Shell pads available



Length adjustment



Full Pads Now Available



ROMX Hinge



ROMX

RECOMMENDED L-CODE L1832/L1833

Recommended for: Patients who require post-operative fixation and/or range of motion control for post-injury stabilization.

Features

- Rigid aluminum bars
- Hinges with adjustable extension & flexion limitations
- Drop lock mechanism
- Strap lock mechanism for the length adjustment
- Universal left or right

Options

- ROMX extendable from 18" to 23"
- Shell pads (full, air, or breeze)
- Straps with hook and loop or buckle closures



Tool-Free Length Adjustments

SafeLimb


RECOMMENDED L-CODE L5450

Providing comfort and security during post-surgical care, SafeLimb offers supportive protection of the residual limb in case of patient falls.

Recommended for: Post-operative Below Knee Amputation (BKA) patients. Offers limb protection after transtibial amputation. Prevention of knee flexion contracture following transtibial amputation.

Features

- Unique design, materials and adaptability enhances fit, suspension and patient compliance
- High density distal foam pad provides protection to the residual limb
- Length and contour of the medial/lateral bars can be adjusted to fit patient
- Anterior opening and anterior straps for ease of application
- Unique "SupraPatellar Strap" prevents migration
- Lightweight and breathable structure

Size	SM	MD	LG	XL	2XL
 CIRCUM 6" Mid Patella	14 – 18 ¾"	18 ¾ – 20 ¾"	20 ¾ – 24 ¾"	24 ¾ – 29 ½"	29 – 34"



Pull-on Sleeve Style



Open Wrap Style



GenuStart & GenuStart ROM

PDAC APPROVED L1820 – ROM L1832/L1833

Comfortable, versatile and easy to use, the GenuStart line of knee braces offers a variety of fit and treatment options designed for a superior patient experience. Available in two lengths, wrap or sleeve styles and two hinge options, the GenuStart is a powerful new solution featuring trusted Thuasne hinge technology.




Recommended for: Functional treatment of the knee before or after surgery / rehabilitation following mild to moderate sprains of the cruciate and/or collateral ligaments / knee ligament injuries or ruptures / instability of the knee joint.

Features

- Easy to fit, adjust and adapt with sleeve or wrap styling, available in short and long lengths.
- Thuasne's patented TM5+ or TM5 hinge options replicate the natural movement of the knee.
- Alternating strap pattern prevents rotation and improves suspension.
- Open patella buttress for increased stability and support.
- Anatomically shaped medial/lateral aluminum stays for superior support.

Ordering Methods

- OTS sizing

	Size	XS	SM	MD	LG	XL	2XL	3XL
 CIRCUM 6" Above Knee		13 - 15 1/2"	15 1/4 - 18 1/2"	18 1/2 - 21"	21 - 23 1/2"	23 1/2 - 26 1/2"	26 1/2 - 29 1/2"	29 1/2 - 32"
 Knee CIRCUM		12 - 13"	13 - 14"	14 - 15"	15 - 17"	17 - 19"	19 - 21"	21 - 23"
 CIRCUM 6" Below Knee		10 - 12"	12 - 14"	14 - 16"	16 - 18"	18 - 20"	20 - 22"	22 - 24"

Hinge Adjustment




Remove hinge cover to set extension/flexion stops.

Genu Dynastab®
PDAC APPROVED L1810

Recommended for: Functional treatment of mild sprains and the resumption of sports activities after a sprain (mild, moderate, or severe)

- Dual hinge design provides stability
- Semi-rigid strapping gives extra support and prevents migration
- Patented pull tabs for easy application and removal
- Universal left or right


	Size	1	2	3	4	5	6
 Knee CIRCUM		12 ½ – 13 ¾"	13 ¾ – 15"	15 – 16 ½"	16 ½ – 18"	18 – 19 ½"	19 ½ – 21"

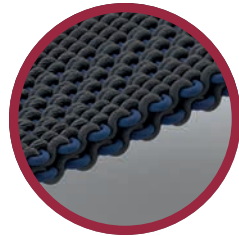
Genu Ligaflex® ROM
PDAC APPROVED L1832/L1833

Recommended for: Mild to moderate ligament injuries and instabilities / early stage OA / meniscus injuries and post-operative meniscal repairs.

Features

- 16" length with anterior closure
- Medical grade compression
- Easy to use Velcro tabs
- Low profile tension buckles
- TM5+ Hinge that replicates the natural movement of the knee
- Patented integrated anti-slip silicon knitting
- Tool-less hinge with easy to apply flexion and extension stops to restrict range of motion
- Contoured aluminum uprights to improve fit and comfort
- Universal left or right

	Size	1	2	3	4	5	6
 Knee CIRCUM		12 ½ – 13 ¾"	13 ¾ – 15"	15 – 16 ½"	16 ½ – 18"	18 – 19 ½"	19 ½ – 21"



Thuasne knit technology
Comfort, compression and breathability



Genu Ligaflex®
PDAC APPROVED L1820

Recommended for: Resumption of non-contact sports and regular daily activities after mild or moderate knee injuries.

Features

- Anterior wrap closure model: ultra easy to fit with speed clips
- Medical grade compression
- Hyper-flexible knitted areas in the popliteal crease and proximal edge
- Semi-rounded straps for improved comfort
- Thuasne's patented TM5 Hinge technology
- Dual tab calf strap improves suspension
- Integrated anti-slip silicone in the thigh section
- Aluminum uprights provide lateral stability
- Double adjustable hook and loop tabs help optimize placement of uprights

Genu Ligaflex Anterior Closure

	Size	1	2	3	3+	4	4+	5	5+	6	6+
 CIRCUM 5" Above Knee		14 ¾ – 17 ¼"	16 – 18 ¼"	17 ¼ – 19 ¾"	19 – 21 ¼"	19 – 21 ¼"	20 ½ – 22 ¾"	20 ½ – 22 ¾"	22 – 24 ½"	22 – 24 ½"	23 ½ – 26"
 CIRCUM 5 ½" Below Knee		11 ¾ – 13 ½"	13 – 14 ½"	14 ½ – 16"	14 ½ – 16"	16 – 17 ½"	16 – 17 ½"	17 ½ – 19"	17 ½ – 19"	19 – 20 ¾"	19 – 20 ¾"





A



B



C




D

Patella Reliever (A)
PDAC APPROVED L1810/L1812

Recommended for: Patello-femoral pain syndrome / lateral patellar subluxation / lateral patellar dislocations / patello-femoral arthritis / lateral patellar compression syndrome


- Medical grade compression
- Crescent shaped patella insert with lateral tracking system
- Distal strap for improved suspension
- Patented integrated antislip silicone knitting in the upper thigh
- Available in left and right

	Size	1	2	3	4	5	6
	Knee CIRCUM	12 1/2 – 13 1/2"	13 3/4 – 14 1/2"	14 1/2 – 15 3/4"	15 3/4 – 17"	17 – 18"	18 – 19 1/4"

Ligastap Genu (C)
PDAC APPROVED A4466

Recommended for: Maintenance, compression and support of the knee after mild or moderate knee strains or sprains


- Medical grade compression
- Numbered figure eight strapping delivers extra stabilization
- Anatomically shaped elastic knit for optimal thigh, calf, and popliteal comfort
- Patented pull tabs for easy application and removal
- Universal left or right

	Size	1	2	3	4	5	6
	Knee CIRCUM	12 1/2 – 13 3/4"	13 3/4 – 15"	15 – 16 1/2"	16 1/2 – 18"	18 – 19 1/2"	19 1/2 – 21"

Silistab Genu (B)
PDAC APPROVED A4467

Recommended for: Maintenance / compression and support of the knee after mild or moderate knee strains or sprains


- Medical grade compression
- Patented silicone patella insert provides kneecap support and protects the patella tendon
- Breathable cotton fabric integrated posteriorly
- Flexible lateral stays give additional reinforcement
- Anatomically shaped elastic knit for optimal thigh, calf, and popliteal comfort
- Lateral silicone anti-slip system for better hold
- Universal left or right

	Size	1	2	3	4	5	6
	Knee CIRCUM	12 1/2 – 13 3/4"	13 3/4 – 15"	15 – 16 1/2"	16 1/2 – 18"	18 – 19 1/2"	19 1/2 – 21"

Genuextrem (D)
PDAC APPROVED A4467

Recommended for: Maintenance, compression and support of the knee after mild or moderate knee strains or sprains.

- Medical grade compression
- Flexible lateral stays for additional reinforcement
- Anatomically shaped elastic knit for optimal thigh, calf, and popliteal comfort
- Lateral silicone anti-slip system for better hold
- Patented pull tabs for easy application and removal
- Universal left or right

	Size	1	2	3	4	5	6
	Knee CIRCUM	12 1/2 – 13 3/4"	13 3/4 – 15"	15 – 16 1/2"	16 1/2 – 18"	18 – 19 1/2"	19 1/2 – 21"

Foot & Ankle

Featuring the patented SpryStep® range of AFOs, custom ankle bracing for elite athletes, walking boots and Thuasne's exclusive knitted solutions.



SpryStep® PDAC APPROVED L1951

The SpryStep® is an elegant, durable and effective ankle foot orthotic made with a precise selection and layup of diverse composite materials. The posterior spiral strut is uniquely positioned to amplify energy return and fit easily into most shoes.

Recommended for: Excessive plantarflexion during swing phase (secondary to weak dorsiflexors) / Weakness of the pretibial muscles ≤3 / Plantar flexor strength 4 / Mild knee instability during stance phase / Mild Knee hyperextension

Features

- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort
- Proprietary posterior lateral position of the strut increases patient compliance and amplifies energy return
- Trimmable forefoot ensures a perfect fit
- Fits easily into most shoes
- Custom version available based on size, pathology, or activity level

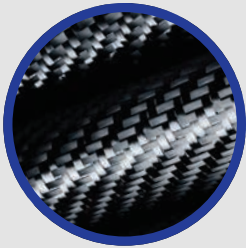
Ordering

- Available in left or right
- Custom version available (see page 64)

Size	XS	SM	MD	LG	XL
Foot Length	8 ½ – 9 ⅝"	9 ⅞ – 10 ¼"	9 ⅝ – 10 ⅞"	10 ¼ – 11 ⅜"	11 ⅜ – 12"
Height	11 ¾"	12 ⅝"	13 ⅜"	14 ⅞"	15"



SpryStep® Family Features



Proprietary composite technology

Remarkable strength and beautiful cosmetic characteristics.



Posterior Lateral Strut

The spiral strut is uniquely positioned behind the malleoli to amplify energy return and fit easily into most shoes.



Customizable

The forefoot can be easily trimmed for a perfect fit.



SpryStep® Plus
PDAC APPROVED L1932

Recommended for: Excessive plantarflexion during swing phase (secondary to weak dorsiflexors) / weakness of the pretibial muscles ≤ 3 / plantar flexor strength 3 or 4 / mild or moderate knee instability during stance phase / mild quadriceps weakness / excessive knee flexion during stance phase (secondary to weak plantarflexors)

Features

- Anterior shell for enhanced ground reaction force
- 3D shaped pad featuring a recessed tibial crest relief zone
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort
- Proprietary posterior lateral position of the strut increases patient compliance and energy return for activity re-engagement
- Trimmable forefoot ensures a perfect fit

Ordering

- Available in left or right
- Custom version available (see page 64)

Size	XS	SM	MD	LG	XL
Foot Length	8 ½ – 9 ⅝"	9 ⅞ – 10 ¼"	9 ⅝ – 10 ⅞"	10 ¼ – 11 ⅜"	11 ⅜ – 12"
Height to Tib Tuberosity	13"	14 ½"	15 ½"	16 ¾"	18"
Calf CIRCUM 1" below fibula head	11 ½ – 14 ½"	12 ¾ – 15 ¾"	13 ½ – 17 ½"	15 ¾ – 18 ¾"	16 ½ – 19 ½"



SpryStep® Flex
PDAC APPROVED L1951

Recommended for: Footdrop / fatigueable footdrop / footslap / proprioception / circumduction / vaulting / high knee gait / hip hiking / contralateral trunk lean

Features

- Enhanced spiral curve of the strut and proprietary material blend offers greater flexibility and durability, perfect for high impact activities
- Proprietary posterior lateral position of the strut increases patient compliance and amplifies energy return
- Trimmable forefoot ensures a perfect fit
- Fits easily into most shoes

Ordering

- Available in left or right
- Custom version available (see page 64)

Size	XS	SM	MD	LG	XL
Foot Length	8 ½ – 9 ⅝"	9 ⅞ – 10 ¼"	9 ⅝ – 10 ⅞"	10 ¼ – 11 ⅜"	11 ⅜ – 12"
Height	11 ¾"	12 ⅝"	13 ⅜"	14 ⅞"	15"



SpryStep® Max
PDAC APPROVED L1932

Recommended for: Excessive dorsiflexion during stance phase (due to weak plantar flexors) / mild, moderate or pronounced knee instability during stance phase / excessive knee flexion during stance phase (secondary to weak plantar flexors) / quadricep weakness

Features

- Midfoot lateral strut strategically positioned to achieve the desired stabilization and gait assist
- Anterior shell with 3D shaped pad featuring a recessed tibial crest relief zone
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort
- Proprietary anterior lateral position of the strut increases patient compliance and amplifies energy return
- Trimmable forefoot ensures a perfect fit

Ordering

- Available in left or right

Size	XS	SM	MD	LG	XL
Foot Length	7 ¾ – 8 ½"	8 ¼ – 9"	9 – 10"	10 – 10 ¾"	10 ¾ – 11 ½"
Height	13 ¼"	14 ½"	15 ½"	16 ½"	16 ½"





SpryStep® Pediatric

PDAC APPROVED L1951

Recommended for: *Footdrop / Idiopathic toe walking / mild knee hyperextension / mild foot and ankle tri-planar instability*

Features

- Trimmable on the toe, medial side of the footplate and the calf cuff
- Built with increased flexibility for dynamic kids
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Proprietary posterior lateral position of the strut increases patient compliance and amplifies energy return
- Fits easily into most shoes

Ordering

- Available in left or right

Size	XS	SM	MD	LG	XL
Foot Length (Min-Max)	3 ¾ - 5 ¾"	4 ¼ - 6 ¼"	5 - 7"	5 ½ - 7 ½"	6 - 8"
Height (Min-Max)	6 ¼ - 7"	7 ½ - 8 ¼"	8 ¾ - 9 ½"	9 ¾ - 10 ½"	11 - 11 ¾"

Calf cuff depth = 2 ½" (the width of the calf cuff can be trimmed up to 1 ½" on each side)

1. This indicates the shortest the footplate can be trimmed with scissors
2. This indicates the lowest the calf cuff can be trimmed with scissors

SpryStep® Carbon Footplate

Turf Toe is the third highest injury that causes college athletes to miss playing time. The SpryStep® Carbon Footplate has been designed to alleviate foot pain and instability. Among non-athletes, there are multiple additional clinical applications for acute or chronic foot conditions.

Recommended for: *Greater toe plantar plate injury (turf toe) / metatarsal fractures / Lis Franc injury / forefoot, midfoot Pain*

Features

- Integrated toe ramp enhances natural gait
- Rigid carbon core provides great energy return
- Trimmable composite materials all around the footplate for easy customization
- Fits comfortably in most footwear

Ordering

- Available in left and right
- Footplates sold individually, one per order

	Size	SM	MD	LG	XL	2XL
Men US Shoe Size	6 - 8 ½	7 - 10	9 - 12	11 - 14	13 - 16	
Women US Shoe Size	5 - 10	8 - 12	11 - 15 ½	-	-	



XLR8

PDAC APPROVED L4360/4361

The XLR8 Walker is a full shell pneumatic walking boot that provides a precise anatomical fit and protection for the toe and foot while allowing the patient to walk naturally and comfortably.

Recommended for: *Ligament and tendon related trauma or injuries / severe sprains / stable fracture of the foot and front of foot / pre/post-operative ankle stabilization*

Features

- Full shell structure for optimal immobilization
- Pneumatic bladder with built-in air pump
- Comfortable padded insole
- Easy to inflate and deflate
- Shock absorbing outer sole rocker allows smooth and natural gait

Options

- Heel wedges
- Mid-calf or full-calf models available
- Universal left or right

	Size	XS	SM	MD	LG	XL
Men US Shoe Size	2 - 4	4 - 7	7 - 10	10 - 13	13 - 16	
Women US Shoe Size	3 ½ - 5	5 - 8	8 - 11	11 - 15	15+	





EZG8 (Easy Gait) Series

PDAC APPROVED L4360/L4361
NON-PNEUMATIC L4386/L4387

Recommended for: Grade 1, 2 and 3 ankle sprains and stable or stable fixed fractures of the foot or ankle.

Features

- Offered in
 - Fixed ankle**
 - Fixed ankle w/air bootie**
 - ROM hinge**
- Aluminum uprights
- Comfortable padded insole
- Shock absorbing outer sole rocker allows natural gait
- Foam bootie available with or without air bladder

Options

- Full height or mid-calf uprights
- ROM hinges (EZG8 ROM Walker)
- Standard or pneumatic (air bladder) bootie
- Heel wedges
- Universal left or right

	Size	XS	SM	MD	LG	XL
Men US Shoe Size	2 – 4	4 – 7	7 – 10	10 – 13	13 – 16	
Women US Shoe Size Height	3 ½ – 5	5 – 8	8 – 11	11 – 15	15+	



Townsend PediWalker

PDAC APPROVED L4387

Recommended for: Grade 1, 2 and 3 ankle sprains and stable or stable fixed fractures of the foot or ankle

Features

- Durable alternative to casting for children
- Lightweight, conformable plastic uprights with metal reinforcement bridge
- Simple integrated strapping for easy application
- Reinforced composite rocker bottom facilitates natural gait
- Low profile and non-slip tread
- Extra sturdy for active children
- Universal left or right

Size	SM	MD	LG
Children Size	5 – 8	8 – 13	13 – 3



Malleo Dynastab BOA®

PDAC APPROVED L1902

The lightweight, low-profile brace for active patients in need of ankle stability. Featuring The BOA® fit system for quick fitting and adjustment, the Malleo Dynastab BOA® is a slim and reliable solution that fits easily into most shoes.

Recommended for: Mild, moderate or severe sprains of the lateral ligaments / lower tibiofibular sprain / resumption of sports.

Features

- Fast, easy and reliable BOA® fit system, with a lifetime guarantee
- Wide opening for easy-on and easy-off
- Resistant and comfortable lightweight metal reinforcements
- Figure 8 strapping system provides additional lateral reinforcement
- Lightweight and comfortable antibacterial-treated 3D knit for effective moisture-wicking
- Slim, low-profile design allows the brace to be worn in most types of shoes
- Universal left or right

Size	0	1	2	3
Ankle CIRCUM	6 ¾ – 7 ½"	7 ½ – 8 ¾"	8 ¾ – 10 ¼"	10 ¼ – 11 ¾"



Malleo Dynastab

PDAC APPROVED L1902

Recommended for: Mild, moderate or severe sprains of the lateral ligaments / lower tibiofibular sprain / resumption of sports.

Features

- Precise lace-up tightening system
- Same features and benefits as Malleo Dynastab BOA®
- Universal left or right

Size	1	2	3
Ankle CIRCUM	7 ½ – 8 ¾"	8 ¾ – 10 ¼"	10 ¼ – 11 ¾"





Ligacast Air+

PDAC APPROVED L4350

Recommended for: Moderate to severe sprains (functional or post-surgery treatment) and malleolar fractures (functional treatment in physical therapy phase).

Features

- Rigid side shells for firm support
- Inflatable inserts reinforce protection and reduce swelling
- Adjustable heel and hook and loop straps for easy application
- Inflator bulb for air pressure customization after brace is fit

Ordering

- OTS universal sizing



Ligacast Anatomic

PDAC APPROVED L4350

Recommended for: Moderate or severe sprains, malleolar fractures (functional treatment in physical therapy phase)

Features

- Rigid side shells for firm support
- Asymmetrical malleoli prominence and flexible edges for anatomical fit
- Honeycomb interior for enhanced patient comfort

Ordering

Size	0	1
Patient Height	< 5'3"	> 5'3"



Ligacast Junior

RECOMMENDED L-CODE L4350

Recommended for: Moderate or severe sprains and malleolar fractures (functional treatment in physical therapy phase).

Features

- Rigid side shells for firm support
- Height adjustable heel strap to accommodate a child's anatomy
- Comfortable foam inserts

Ordering

Patient Height
Height < 4 ½ ft





NOX Splint (A)

RECOMMENDED L-CODE L4396

Recommended for: Plantar fasciitis / Achilles tendonitis / tight heel cords

Features

- Hinge design allows for customized stretch
- Adjustable tension strap
- Position indicator window
- Soft padding (strategic interior air bladder)
- Wider metatarsal region
- Non-skid sole
- Universal left or right

Options

- Optional accessory strap

Ordering

Size	SM/MD	LG/XL
Men US Shoe Size	5 – 9	9 ½ – 14
Women US Shoe Size Height	6 – 10	10 ½ – 15

Night Splint (B)

RECOMMENDED L-CODE L4396

Recommended for: Plantar fasciitis / Achilles tendonitis / tight heel cords.

Features

- Lightweight with adjustable tension
- Washable open cell foam liner
- Comfortable strap pads to protect against discomfort on bony anatomy
- Easy to use, convenient center release buckles
- Non-slip outer sole
- Universal left or right

Ordering

Size	SM	MD	LG
Men US Shoe Size	3 ½ – 7	7 – 10	10 ½ – 13
Women US Shoe Size Height	4 – 7 ½	8 – 10 ½	10 ½ – 15



Silistab Achillo (C)

PDAC APPROVED A4467

Recommended for: Achilles tendon injuries including enthesitis / tendonitis / tenosynovitis / bursitis and Haglund's disease / achillodynia following Achilles tendon surgery.

Features

- Medical grade compression
- Soft silicone heel inserts (pair) available in three heights
- Dimpled achilles silicone posterior insert for tendon protection and massage
- Elastic knit for optimal malleoli comfort
- Patented pull tabs for easy application and removal
- Universal left or right

Ordering

Size	1	2	3	4	5
Ankle CIRCUM	7 ½ – 8 ¼"	8 ¼ – 9"	9 – 9 ¾"	9 ¾ – 10 ¾"	10 ¾ – 11 ¾"

Malleoaction (D)

PDAC APPROVED A4467

Recommended for: Mild to moderate sprains / oedema and proprioception

Features

- Provides support and medical grade compression
- Anatomically shaped elastic knit for optimal malleoli comfort
- Patented pull tabs for easy application and removal
- Universal left or right

Ordering

Size	1	2	3	4	5
Ankle CIRCUM	7 ½ – 8 ¼"	8 ¼ – 9"	9 – 9 ¾"	9 ¾ – 10 ¾"	10 ¾ – 11 ¾"



Malleo Go (E)

PDAC APPROVED A4467

Recommended for: Post-traumatic / postoperative and chronic inflammation / sprains / joint effusions / oedema linked to arthritis and joint disease / moderate joint instability.

Features

- Support and medical grade compression
- Elastic knit for optimal malleoli comfort
- Silicone inserts for malleoli protection
- Available left and right

Ordering

Size	XS	SM	MD	LG	XL	2XL
Ankle CIRCUM	6 ¾ – 7 ½"	7 ½ – 8 ¼"	8 ¼ – 9"	9 – 9 ¾"	9 ¾ – 10 ¾"	10 ¾ – 11 ¾"

Ligastrap Malleo (F)

PDAC APPROVED A4467

Recommended for: Moderate sprains of the lateral ligament (functional treatment) / resumption of occupational activities and sports after moderate to serious sprains / chronic hyperlaxity

Features

- Figure 8 strapping for lateral stabilization and support
- Removable reinforcement strap
- Anti-slip system to prevent migration
- Patented pull tabs for easy application and removal
- Low profile for maximum comfort
- Universal left or right

Ordering

Size	1	2	3	4	5
Ankle CIRCUM	7 ½ – 8 ¼"	8 ¼ – 9"	9 – 9 ¾"	9 ¾ – 10 ¾"	10 ¾ – 11 ¾"



Custom Specialty Orthoses

From the elegant yet durable range of SpryStep AFOs, to custom knee braces and specialty KAFOs, Thuasne USA offers effective custom solutions for the most complex patients.



SpryStep®
Vector KAFO



SpryStep® Flex

SpryStep®

SpryStep® Plus

SpryStep® Custom

SUGGESTED L-CODE L1950/L1940/ L1945

A durable, effective, and elegant custom AFO that meets the individual needs of a diverse patient population. Customizable from calf to toe, the SpryStep® Custom's posterior lateral strut is strategically positioned to amplify energy return and fit comfortably into most shoes.

Recommended for: *Fatigueable footdrop / footslap / footdrop / excessive plantarflexion during swing phase / weakness of the pretibial muscles ≤3 / plantar flexor strength 4 / mild knee instability during stance phase / knee hyperextension / circumduction / vaulting / high knee gait / hip hiking / contralateral trunk lean*

Features

- Available in three models to treat a variety of patient indications
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort
- Proprietary posterior lateral position of the strut increases patient compliance and energy return for activity re-engagement
- Superior cosmetic finish

Sizing

- Custom from a cast (see page 71)

Options



Contoured Footplate

All versions available with molded arch and molded inner boot or contoured footplate with no inner boot



Pre Tibial Shell

Optional pre-tibial shell (SpryStep® and SpryStep® Flex)

SpryStep® Vector
PDAC APPROVED L1950

The SpryStep® Vector AFO is an elegant, durable, patient friendly custom composite AFO. All four models feature the signature posterior lateral spiral strut that offers biomechanical and fitting advantages. Each model also includes a molded inner boot.

Recommended for: *Plantar flexor strength 0 or 1 / mild, moderate, or pronounced knee instability during stance phase / mild, moderate, or pronounced quad weakness / plantarflexion contracture / high tone / inconsistent oedema / non-correctable triplanar instability.*

Features

- Malleable heat formable thermoplastic molded inner boot and calf cuff
- Lightweight, durable composite construction engineered with unique laminated characteristics to prevent delamination and breakage
- Device stiffness tuned for each individual patient
- Minimalistic trimlines using material only where force systems dictate, avoiding bony prominences
- Open heel design for greater comfort
- Material diversity offers strategic flexibility and stiffness to enhance performance and patient comfort

Sizing

- Custom from a cast (see page 71)



Pre-Tibial Shell & Coronal Correction

Available Models



Posterior Shell



Pre-Tibial Shell



Posterior Shell & Coronal Correction





SpryStep® Vector KAFO

CUSTOM FABRICATED ORTHOSIS

SUGGESTED L-CODE L2036

Durable, versatile and lightweight, the SpryStep® Vector KAFO combines the power of modern composite manufacturing with trusted Thuasne hinge motion. 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 lead active lives.

Recommended for: patients with varying neurological lower limb deficits including:

- Polio
- Post-polio
- Multiple sclerosis
- Incomplete spinal cord injury
- Paralysis
- Cerebral vascular accident
- Traumatic brain injuries
- Complications post-surgery
- Trauma affecting lower limb function

Knee alignment concerns

- Genu varum
- Genu valgum
- Genu recurvatum



Molded inner boot comes as standard to ensure optimal triplanar control



Optional coronal correction for increased control

Brace Configurations



Anterior



Posterior



Hyperextension Resist



Flexion Resist

Apply force patterns effectively with the brace configuration that's right for your patient

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 used to provide free motion to a locked joint



Extension Assist

Extension assist bands available on all joint configurations



Custom Carbon Locking

SUGGESTED L-CODE L1846

Recommended for: Severe instabilities that require a locking orthosis.

Features

- Full shell provides maximum control
- Premier style provides open configuration
- Manual release trigger locks
- Cable release trigger locks
- Choice of three Becker Orthopedic locking knee joints (see page 74)

Ordering

- Custom from a cast or digital leg scan (see page 71)

Custom Carbon Polio Style Knee Braces

SUGGESTED L-CODE L1846

Recommended for: Post-polio patients or for patients who require hyperextension (genu recurvatum) control.

Features

- Anterior thigh, posterior calf construction
- Significant loading forces to help suspend the brace
- Exclusive Synergistic Suspension Strap
- 5 Bar knee joints
- Optional extension assist bands

Ordering

- Custom from a cast or digital leg scan (see page 71)

INFORMATION

Additional details and ordering options from Thuasne USA

Available at ThuasneUSA.com



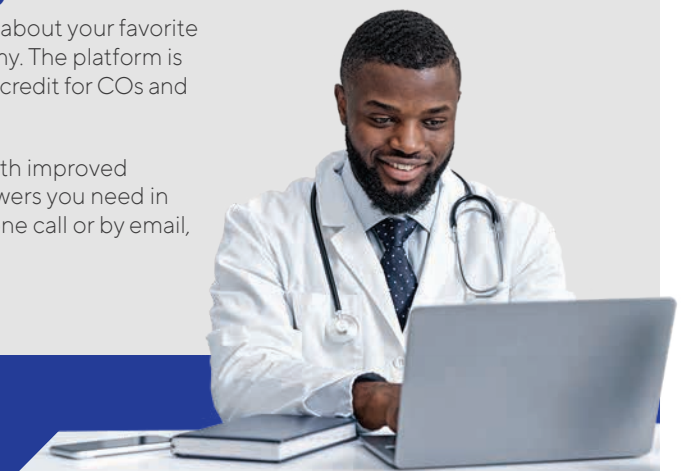
Find ordering, warranty, and returns information as well as all order forms, PDAC letters, fitting videos, and digital copies of our catalogs and brochures online at ThuasneUSA.com

The Thuasne Academy

Earn free CEUs and learn fitting tips and tricks about your favorite Thuasne USA products at the Thuasne Academy. The platform is easy to use, completely free, and offers course credit for COs and CPOs. Visit ThuasneUSA.com to learn more!

Our customer service team is ready to help. With improved processes and cutting-edge tools, get the answers you need in record time. Whether you reach out with a phone call or by email, we are here for you.

cs@thuasneusa.com 800.432.3466



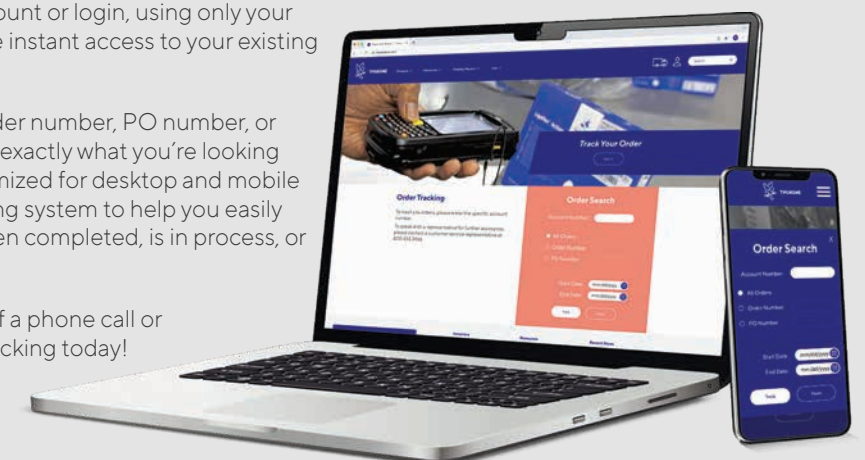
Online Order Tracking

We are pleased to announce online order tracking from Thuasne USA is now available. Visit ThuasneUSA.com for immediate access to the status of your orders.

No need to create an account or login, using only your account number you have instant access to your existing order information.

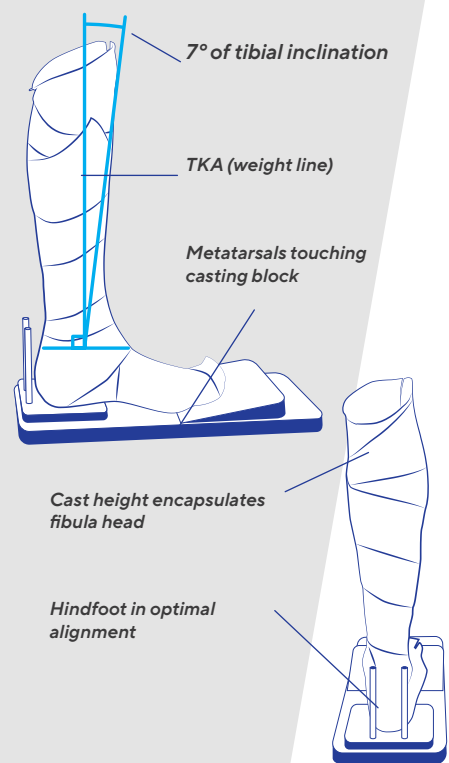
Narrow your search by order number, PO number, or date range to quickly find exactly what you're looking for. Order tracking is optimized for desktop and mobile and features a color-coding system to help you easily identify if an order has been completed, is in process, or on-hold due to an issue.

Save yourself the hassle of a phone call or email, use online order tracking today!



Casting Guidelines

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

- Dry casting (with fiberglass)
- Use of a casting platform

3. Position

- Sitting in 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°

4. Cast length

- MPT height and capture all toe lengths.

5. Cut strip

- Anterior on the dorsum of the foot to transition laterally

6. Markings on the cast

- Fibula head, metatarsal heads, base of 5th 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.

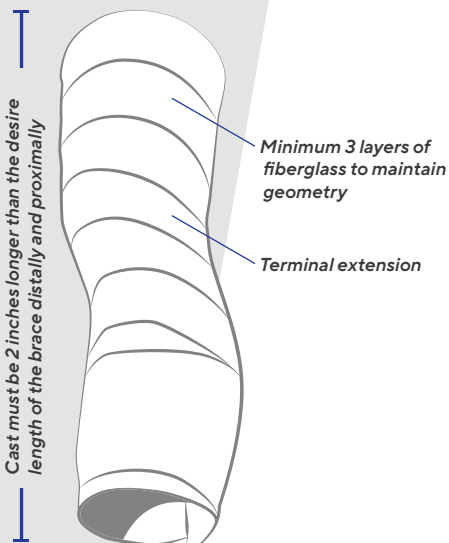
7. Rigidity/Thickness

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

8. Tips

- Wait at least an hour before putting it in a box for shipping
- Must remove stockinette
- Use staples to seal the cast
- Stuff the cast to maintain its structure during shipping
- No webroll or compresso grip

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 2" longer on the femur and the tibia 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

Tips

- Wait at least an hour before putting it in a box for shipping
- Must remove stockinette
- Use staples to seal the cast
- Stuff the cast to maintain its structure during shipping
- No webroll or compresso grip

KAFO 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

- 2 stages dry casting (with fiberglass)
- Use of a casting platform

3. Position

AFO

- Sitting in 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 3" of the AFO section unsprayed. It will allow the two section to bond when you start the KO casting process.

KO

- Non-weightbearing
- Sitting on the edge of a chair
- Terminal extension
- Coronal and sagittal alignment must be within +/- 5 degrees of the intended brace position

4. Cast length

AFO: mid-calf and captures all toes.

KO: 2" 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 5th 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

- Patella, medial & lateral condyle
- If applicable mark: deformity, scar tissue, and any other area of concern

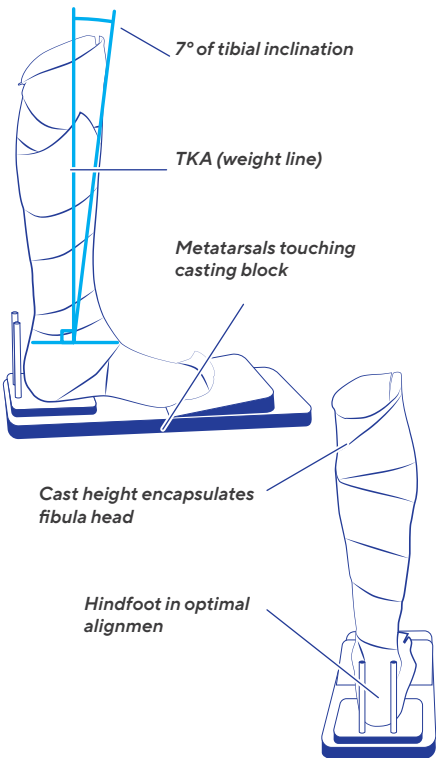
7. Rigidity/Thickness

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

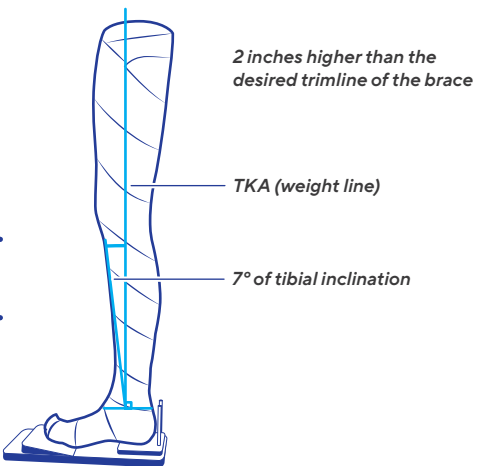
8. Tips

- Wait at least an hour before putting it in a box for shipping
- Must remove stockinette
- Use staples to seal the cast
- Stuff the cast to maintain its structure during shipping
- No webroll or compresso grip

Part 1: AFO Section



Part 2: KO Section



Casting tools available from Thuasne USA



Casting Platform



Shoe Calipers

KO, AFO, & KAFO
Casting Instructions
More Info >



Colors & Joints



USA100 CAMO F100 F200

Custom Paint Finishes

Add your personal touch to any Premier Series or Rebel Series knee brace with Thuasne's custom paint finishes. Have a color in mind you don't see below? Let us know and we'll source the paint of your dreams! Custom paint finishes are non-refundable and price varies between finish and brace. To order, note the color code on the order form.

Chameleon



Marble

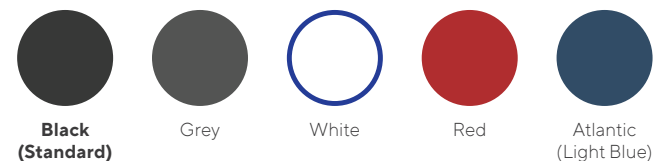


Glow in the Dark

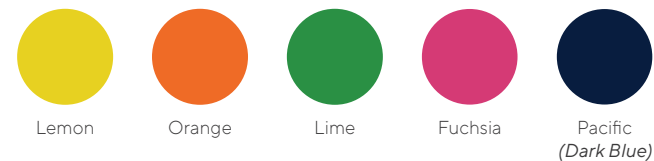


Aluminum Braces Powdercoat Colors

Matte Finish



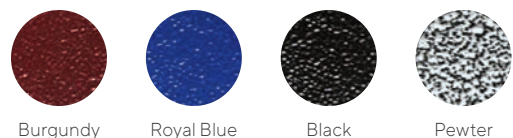
Satin Finish



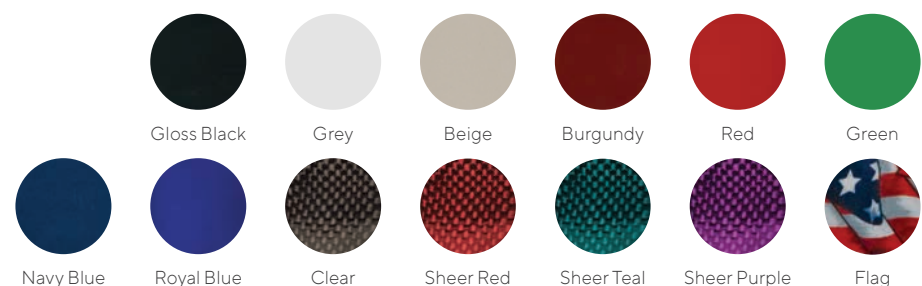
Premier Series Braces Paint Colors



Premier Series Braces Textured Powdercoat Colors



Full Shell Series Braces Fabrics/Pigments



Thuasne Joints

Free Motion Knee Joints

1. Aluminum or Stainless TM5+
2. Aluminum TM6
3. Loadshifter OTS
4. 5 Bar Free Knee

Locking Knee Joints

5. Single Pivot With Manual Or Cable Release
6. 5 Bar Trigger Locks With Manual Or Cable Release

Ankle Joints

7. Heavy Duty Free Motion
8. Double Adjustable
9. Double Adjustable With Assist
10. Dorsi Assist
11. Proteor Straight
12. Proteor Dorsi Assist



Becker Joints (Available In Stock)

Knee Joints (For Carbon Braces)

13. Automatic Angled Lever Lock 1017-A
14. Modular Ratchet Lock 1018-A

Stance Control (For Carbon Braces)

15. Becker FullStride
16. Becker Safety Stride

Ankle Joints (For Carbon Braces)

17. Double Action Ankle SLM-2825-A





UniReliever

Thuasne USA

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CA 93313 800.432.3466