



THUASNE

Thuasne USA

Product Catalog



BMI
BERRETTA MEDICAL INC.
*The exclusive Canadian distributor
for Thuasne USA*

Thuasne USA

Premium Orthopedic Bracing Solutions

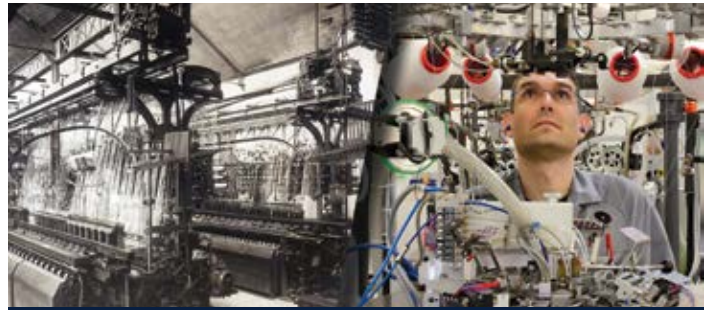
For more than 36 years, Thuasne USA has been committed to improving the quality of life for patients. We use innovation, design expertise, and trusted technology to offer orthopedic solutions that provide protection, relief and increased mobility. With more than one million people wearing Thuasne USA braces, we pride ourselves on our individualized approach, ensuring the best outcome possible for those we serve.



**Elizabeth Ducottet, CEO
The Thuasne Group**

The Thuasne Difference

In the highly competitive orthopedic bracing industry, Thuasne USA is uniquely positioned to offer a comprehensive line of effective, high quality products. With expertise in custom fabrication, patented Townsend Motion Hinge technology, composite materials and elegant design, Thuasne USA is one of the most versatile and respected orthopedic device manufacturers.



1911

2018

Firm Foundations

Founded in France in 1847, The Thuasne Group is one of Europe's oldest, largest and most respected orthopedic manufacturers, globally recognized as a creator, manufacturer and distributor of wearable medical devices. Thuasne is on the cutting edge of intersectional patient care where medicine, materials and digital technologies collide to benefit the patient. With prime focuses on Sport Care, Health Care and Self Care, Thuasne has over 2,200 employees and 26 subsidiary companies world-wide.



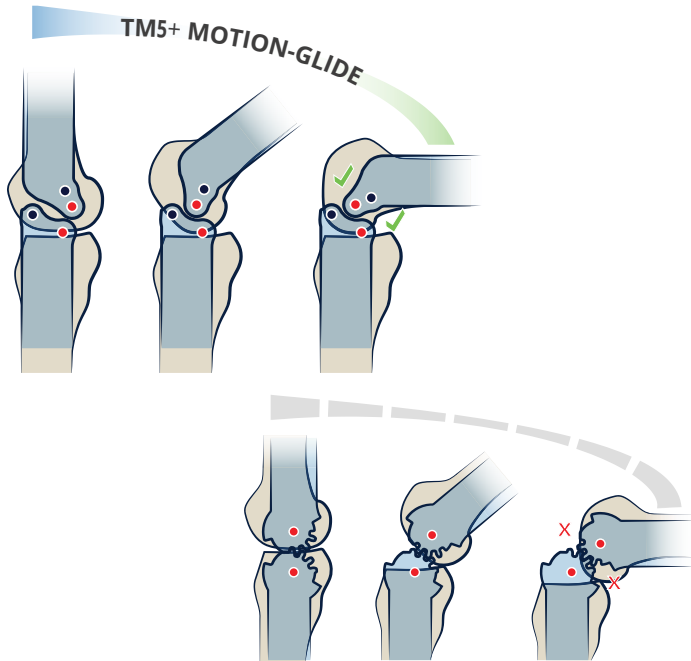
1984

2018

An American Legacy

With a revolutionary hinge design and a vision to change the knee brace market, Jeff Townsend founded Townsend Design in 1984 in Bakersfield, California. Townsend grew to become a leader in the orthopedic manufacturing industry, highly regarded for its vast range of ligament and OA knee braces, specialty lower extremity braces including composite AFOs and KAFOs, as well as spinal and rehabilitative devices. Acquired by Thuasne in 2011, Townsend Design (now Thuasne USA) has expanded its product offerings significantly and has grown to more than 300 employees. Primary production facilities are still proudly located in Bakersfield, California.

Thuasne USA Core Technologies



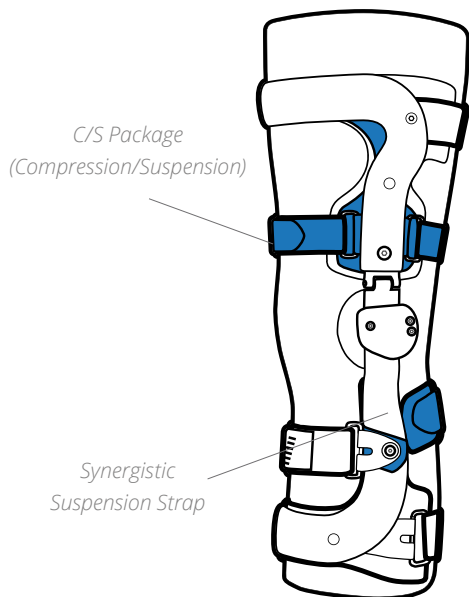
Townsend Motion Hinge

The Townsend Motion Hinge tracks with the anatomical roll-and-glide arthrokinematics of the knee, keeping the brace properly positioned throughout range of motion. This technology is in contrast to knee braces produced with geared polycentric hinges (used by other companies) that cause the braces to gap, piston and migrate.

By optimizing functional control and brace suspension, the Townsend Motion Hinge produces the highest level of compliance and superior patient outcomes.

Rotation Control

Addressing rotatory instabilities is critical when it comes to proper brace function. Thuasne USA is the only manufacturer that specifically targets this deficiency by using a variety of tibial shell bolsters and contours. For ligament instabilities and OA, controlling excessive internal and external rotation is imperative. Every Thuasne USA brace design is contoured to capture and fit intimately along the flatter medial border of the tibia and rounded lateral side of the lower leg.



Synergistic Suspension Strap

Maintaining fit intimacy and brace positioning is crucial when it comes to producing the best patient outcomes. Our proprietary Synergistic Suspension Strap works in conjunction with the hinges and structural brace design, nestling in the flexion fold behind the knee.

The non-elastic strap tightens circumferentially around the medial and lateral sides of the leg, using the top of the calf muscle as an anatomical shelf. The proprietary concept produces greater support and drastically reduces brace slippage and/or migration.

Thuasne USA Core Technologies

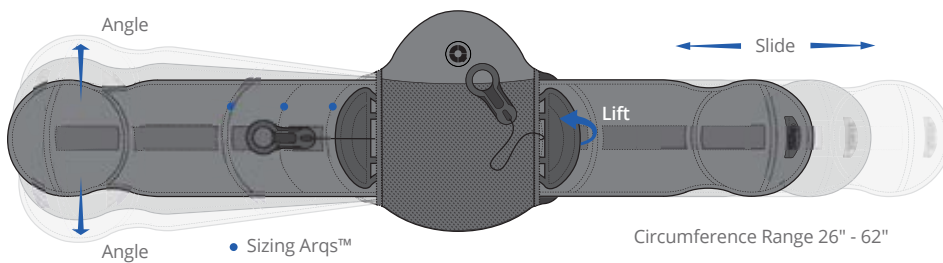


Knits

With a focus on textiles dating back to 1847 The Thuasne Group is revered for their exclusive process of manufacturing knitted braces. Known for comfort, efficacy and safety, Thuasne's knitted solutions are easy to wear and long lasting. With a variety of materials and weaves, Thuasne knits target pain and swelling while promoting blood circulation. Featuring an anatomical structure that adapts to each patient's morphology, every knit is hypoallergenic and latex free.

Proprietary Composite Materials

Thuasne USA's proprietary blend of composite materials have paved the way for a new generation of orthotic bracing solutions. Incredibly durable yet lightweight, stiff yet flexible, uniquely laminated for strength and reliability, proprietary composite blends have revolutionized sports bracing, AFOs and KAFOs.



Patented SLEEQ Technology

In 2011, the SLEEQ Universal LSO revolutionized back bracing with its ingeniously simple adjustment technology that provides a perfect fit for patients of all sizes and body types. SLEEQ's Dual Zone Technology wings utilize an inelastic center section to provide stabilizing compression while the upper and lower edges have mild stretch relief to allow effective compression to be maintained, even while seated.

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Spine

Featuring the SLEEQ line of industry leading spinal bracing solutions that provide the optimal balance of support, comfort, ease of use, customizability and an unmatched patient and clinician experience.

SLEEQ® Max

Universal TLSO

PDAC APPROVED LO464

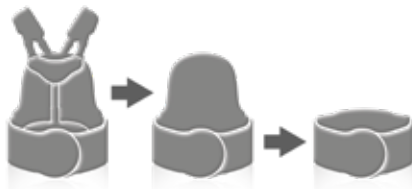
PRODUCT #901600

SLEEQ MAX is the result of extensive research, development and testing that combines the innovative SLEEQ universal brace platform with the legendary superiority of Townsend's 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.*

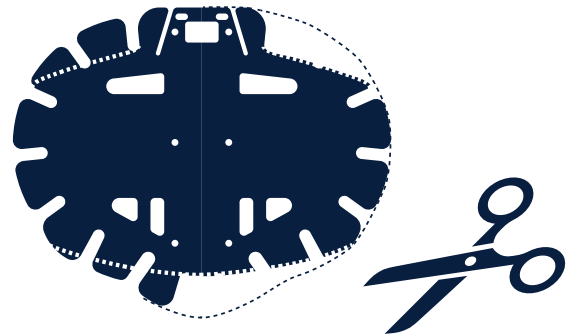
Features

- 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



Steps Down To LSO

 Proudly Made in the USA



Anterior plate can be trimmed with scissors



Partner Program

Your logo on every SLEEQ Max Brace

Accessories

SLEEQ® Max EXT

PRODUCT # 901670

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



SLEEQ® Max Short Sternal Bar

PRODUCT # 901680

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





SLEEQ® Flex Universal TLSO

PDAC APPROVED LO456/LO457

PRODUCT #901400

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"



Partner Program

Your logo on every
SLEEQ Flex Brace



Osteomed Acute Universal Osteoporosis TLSO

PDAC APPROVED LO456/LO457

PRODUCT #U5120199999999

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 / 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

PRODUCT #089001

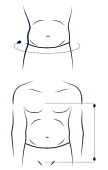
Recommended for: *Compression fractures / traumatic fractures / osteoporotic and metastatic fractures / dorso-lumbar osteoarthritis / immobilization after surgical stabilization of thoracolumbar fractures.*

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	Pelvis Circumference	Pubic Symphysis To Sternum Height
SM	23 ½ — 29 ½"	12 ½"
MDSHORT	29 ½ — 35 ½"	12 ½"
MD	29 ½ — 35 ½"	13 ¾"
LGSHORT	35 ½ — 41 ¼"	13 ¾"
LG	35 ½ — 41 ¼"	15"
XLSHORT	41 ¼ — 45 ¼"	15"
XL	41 ¼ — 45 ¼"	16 ¾"



BOA Duel TLSO

PDAC APPROVED L0464

PRODUCT #51050-X

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	Waist Circumference
SM	25 — 30"
MD	30 — 35"
LG	35 — 42"
XL	42 — 48"
XXL	48 — 57"





(((SLEEQ)))

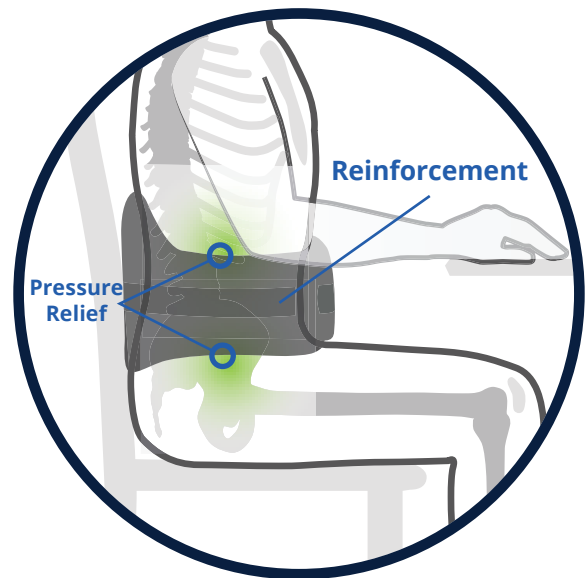
Premium Universal Spine Braces

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.*

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



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



AP



AP+

SLEEQ® AP

PDAC APPROVED LO627/LO642

PRODUCT # 901100

Low profile compression orthosis for lumbar pathologies

SLEEQ® AP+

PDAC APPROVED LO631/LO648

PRODUCT #901200

Enhanced profile compression orthosis for low thoracic and lumbar pathologies

SLEEQ® APL

PDAC APPROVED LO637/LO650

PRODUCT # 901300

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



APL



Partner Program

Your logo on every SLEEQ Brace

Accessories



SLEEQ® EXT

PRODUCT # 901070

Extension panel for waist accommodates 57"-65" circumference



SLEEQ® LATERAL Panels

PRODUCT #901060

Set of two lateral panels fits all SLEEQ model braces



SLEEQ® Anterior Panel

PRODUCT #901050

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

(((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.

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.*

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
- Same standard compression and support as SLEEQ

SLEEQ Air® AP

PDAC APPROVED LO627/LO642

PRODUCT # 901510

Low profile compression orthosis for lumbar pathologies

SLEEQ Air® AP+

PDAC APPROVED LO631/LO648

PRODUCT #901530

Enhanced profile compression orthosis for low thoracic and lumbar pathologies

SLEEQ Air® APL

PDAC APPROVED LO637/LO650

PRODUCT # 901550

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

Accessories

SLEEQ® Air EXT

PRODUCT # 901500

For use with SLEEQ Air only.
Panel accommodates
52"-62" waists



AP



AP+



APL





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

LumbaMum

PDAC APPROVED A9270

PRODUCT #080501

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 w/Chairback

PDAC APPROVED L0637/L0650

PRODUCT # 51071-X

Recommended for: Chronic or acute low back pain / degenerative disc disease / bulging or herniated disc / low back sprains and 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.

Features

- Patented Lacer Design Compression System
- Semi-rigid anterior, posterior and lateral control
- Simple pull straps for easy tightening and adjustment
- Low profile design

Size	Waist Circumference
XS	20 — 25"
SM	25 — 30"
MD	30 — 35"
LG	35 — 40"
XL	40 — 45"
XXL	45 — 50"
XXXL	50 — 55"

BOA SI

PDAC APPROVED L0621

PRODUCT # 51024-X

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	Waist Circumference
SM	25 — 35"
MD	35 — 45"
LG	45 — 55"



Eclipse®

Universal Cervical Collar

**PDAC APPROVED - L0172 (STANDARD)
AND L0174 (EXTENDED THORACIC)**

PRODUCT # STD: 910010 EXT: 910020
STD W/PADS: 910011 EXT W/PADS: 910021

Recommended for: Cervical strains and sprains / spinal stenosis / cervical spondylosis / post-op stabilization / decompressive procedures / cervical trauma / whiplash / fracture management / cervical disc disease / radiculopathy.

Features

- Universal sizing
- Effortless chin height adjustment for easy fitting and maximum compliance
- Fifteen height settings for precise positioning
- Quick-Snap fitting disks ensure proper patient application – no velcro closures
- Anatomically molded, structurally reinforced frame for superior strength and fit
- Moisture wicking, cloth lined, open cell foam liner for comfort and breathability
- Large tracheal opening for airway access
- MRI, CT, and X-ray friendly

Options

- Wide back panel for neck circumference greater than 19"



Partner Program

Your logo on every
Eclipse Collar



Push button height adjustment



Quick-Snap fitting disk - No velcro

Ortel® C42 Vario

PDAC APPROVED L0174

PRODUCT # T492801

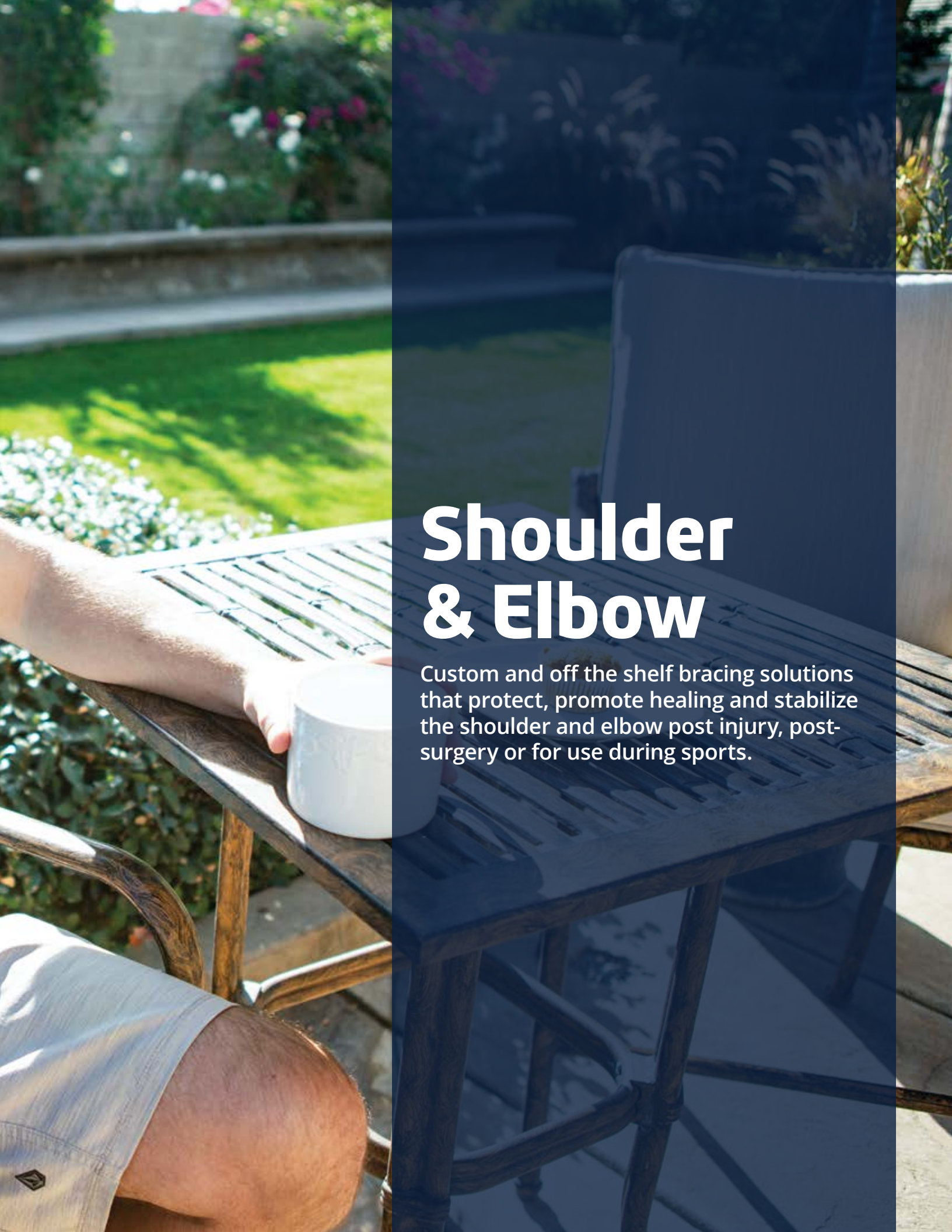
Recommended for: Cervical strains and sprains / spinal stenosis / cervical spondylosis / post-op stabilization / decompressive procedures / cervical trauma / whiplash / fracture management / cervical disc disease / radiculopathy.

Features

- Universal sizing
- Easy-to-use dual height adjustment pull tabs
- Provides pre and post-op immobilization
- Rigid posterior and anterior shells
- Large tracheal opening
- Removable finished edge padding
- MRI, CT, and X-ray friendly







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.

Shoulder & Elbow



AeroSling

Universal Shoulder Orthosis

RECOMMENDED L-CODE L3960

PART# 54-006

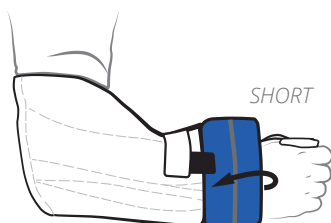
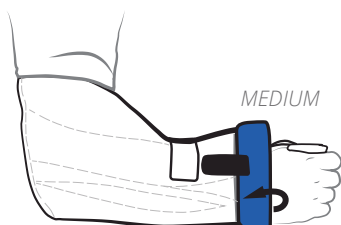
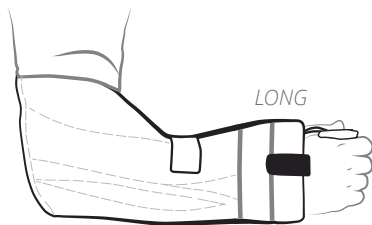
AeroSling is the perfect universal solution for post-op / post-injury shoulder immobilization and positioning. The lightweight aluminum frame adapts to all body types and provides multi-planar adjustability for optimal abduction and rotational positioning. The patient experience is enhanced by premium 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 / capsula repairs / shoulder instabilities / Bankart lesions / SLAP lesions.*

Features

- Universal sizing reduces inventory
- Multi-planar adjustability for specific post-op / post-injury abduction and 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



One-handed buckle



Step down capability

Shoulder & Elbow



Townsend Shoulder Sling

PDAC APPROVED L3670

PRODUCT #54-00X

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



Elite Shoulder Sling

PDAC APPROVED L3670

PRODUCT #54-00X

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

Immo Classic

PDAC APPROVED L3660

PRODUCT #244501

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	Waist Measurement
1	19 ¾ — 28"
2	28¼ — 37"
3	37 ½ — 46"
4	46 ½ — 55"



Clavicular Straps Figure 8

PDAC APPROVED L3650

PRODUCT #245002

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"



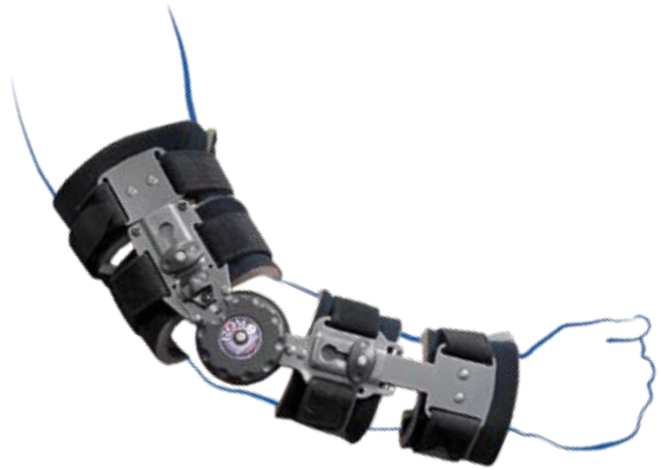
ROM LBO

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 degrees
- 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

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 Degrees
- 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



ROM Post-Op Low Profile

RECOMMENDED L-CODE L3760

PRODUCT #5X-544-01-942-944

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	Arm Measurement
S/M	Up to 14"
L/XL	14" – 15 ½"



Measure elbow crease to the MP crease



Custom Elbow Brace

RECOMMENDED L-CODE L3720

PRODUCT #55-X-549-016

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 degrees
- Flexion stops: 90, 110 and 120 degrees
- Non-elastic straps

Options

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

Ordering

- Custom from a cast or digital arm scan



Silistab Epi

PDAC APPROVED L4466

PRODUCT #230502

Recommended for: Insertion epicondylitis (tennis elbow) and 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	Arm Measurement
1	7 ½ — 8 ¾"
2	8 ¾ — 9 ¾"
3	9 ¾ — 11¼"
4	11 — 12¼"
5	12¼ — 13 ½"
6	13 ½ — 14 ½"



Epi-Med

PRODUCT #T48001

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

Features

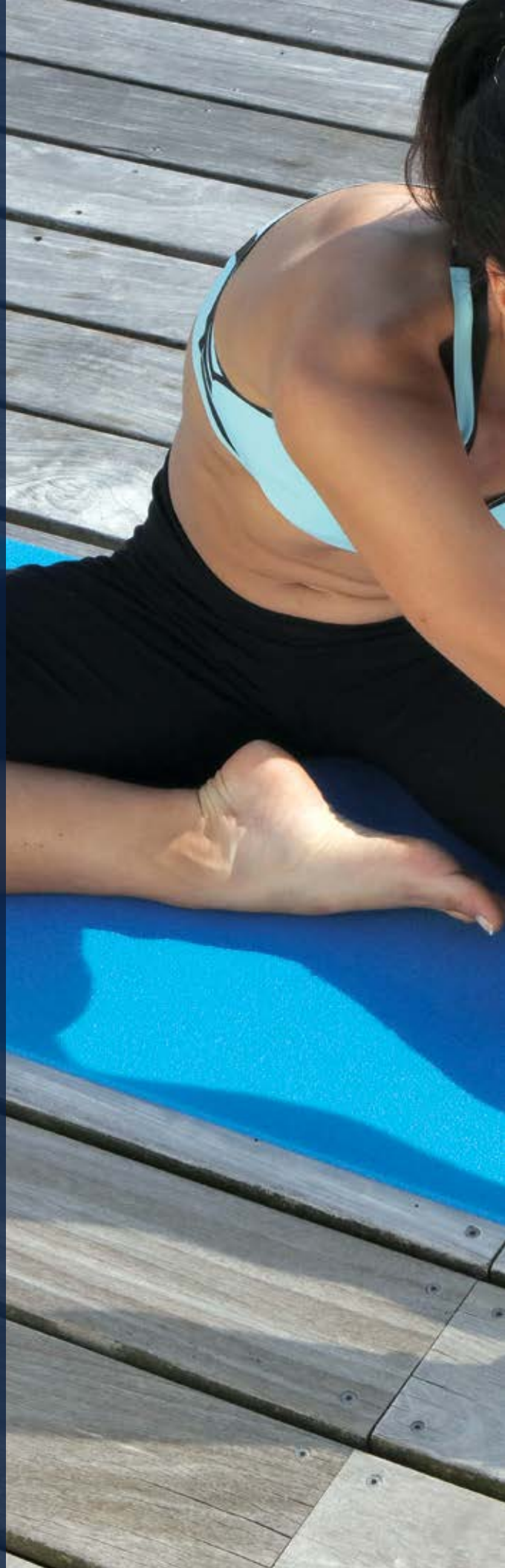
- Comfortable arm band that provides dual targeted pressure on inflamed tendons
- Easy adjustment with hook-and-loop fastening tabs

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



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

PRODUCT # 243602

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

Features

- Anatomic design, extensive knitting compression
- 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	Wrist Circumference
1	5 ½ — 6"
2	6 — 6 ½"
3	6 ½ — 6 ¾"
4	6 ¾ — 7"
5	7 — 7 ½"
6	7 ½ — 8"



Dynastab Dual

RECOMMENDED L-CODE L3908

PRODUCT #704002

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	Wrist Circumference
------	---------------------

1	5 — 6¼"
2	6 ½ — 7 ¾"
3	7 ¾ — 9"



Ligaflex Pro

PDAC APPROVED L3908

PRODUCT # 243302 AND 243402

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 massages the palm of the hand
- Lightweight and breathable micro-aerated 3D fabric
- Easy-to-use Quick Lacing System
- Universal left or right

Size	Wrist Circumference
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1	5 — 6 ¾"
2	6 ¾ — 9"



Ligaflex Pro+

PDAC APPROVED L3807/L3809

PRODUCT # 243302 AND 243402

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 massages 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	Wrist Circumference
------	---------------------

1	5 — 6"
2	6 — 7"
3	7 — 7 ¾"
4	8 — 9"



Ligaflex Rhizo

PDAC APPROVED L3923/L3924

PRODUCT #709002

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	Wrist Circumference
1	5 — 6 ¾"
2	6 ¾ — 9"



Ligaflex Manu

RECOMMENDED L-CODE L3807

PRODUCT #243002

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	Wrist Circumference
1	5 — 6"
2	6 — 7"
3	7 — 7 ¾"
4	8 — 9"



Ligaflex Classic Open

PDAC APPROVED L3908


PRODUCT #243702

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	Wrist Circumference
1	5 — 6 ¾"
2	6 ¾ — 9"




Manuimm Junior

PDAC APPROVED L3908

PRODUCT #263502

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.*

- Pediatric wrist support
- Conformable and X-ray friendly, radio-transparent palmer stay
- Easy to use tightening straps
- Available in left or right

Size	Wrist Circumference
1	4 — 5"



Manurhizo Junior

PDAC APPROVED L3807/L3809

PRODUCT #263002

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.*

- Pediatric wrist and thumb support
- Conformable and X-ray friendly, radio-transparent stays in the palm region and back of the hand
- Comfortable foam-lined material
- Easy-to-use tightening straps
- Available in left or right

Size	Wrist Circumference
1	4 — 5"




Hand & Wrist



Ligaflex® Boxer

PDAC APPROVED L3807/L3809

PRODUCT #24310220X0950X

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 and positioning
- Convenient buckle loop tightening system
- Machine washable

Size	Wrist Circumference
1	5 — 5 ¾"
2	6 — 6 ¾"
3	7 — 7 ¾"
4	8 — 9"



Ligaflex® Finger

RECOMMENDED L-CODE L3923/L3924

PRODUCT #42320220X00399

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 Tip of Injured Finger

1	< 5"
2	5 — 6¼"
3	6¼ — 7 ½"
4	7 ½ — 8 ¾"







Knee

Thuasne USA's flagship range of orthopedic solutions incorporates proprietary designs into a wide variety of bracing options. With custom and off-the-shelf offerings, patented Townsend Motion Hinge technology and specialized knits, Thuasne USA has a bracing solution for every lifestyle.



Rebel Reliever®

PDAC APPROVED L1845/L1852

Reduce pain and instability while improving walking capacity, muscle function and quality of life. The Rebel Reliever's® custom and OTS sizing, patented LoadShifter mechanism and tool-less SnapLock is giving patients the solutions they need when it comes to living with Osteoarthritis.

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
- Townsend Motion TM5+ Hinges
- Exclusive Synergistic Suspension Strap
- Rotation control tibial shell contour

Options

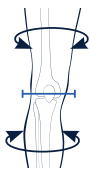
- Tibial shell length 6", 7" or 8"
- Compression/Suspension anti-migration package
- Anti-migration strap padding
- PCL strap
- Flexion stop kit (Extension stop kit included)
- Powdercoat finish in a variety of colors (*see page 101*)



Ordering Methods

- OTS sizing
- Custom fit from 3 leg measurements
- Custom from a cast or digital leg scan (*see page 99*)

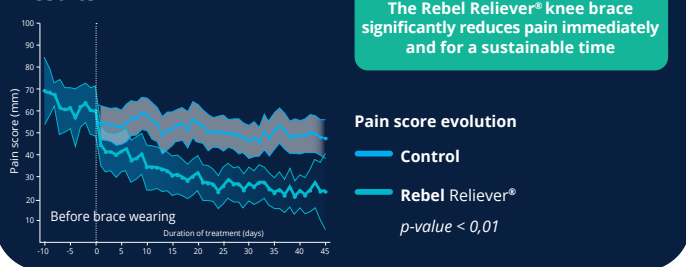
Size	M-L Width	Circumference	
		6" Above Knee	6" Below Knee
SM	3 ½ — 4"	15 ½ — 18 ½"	12 ¼ — 13 ¾"
MD	4 — 4 ½"	18 ½ — 21"	13 ¼ — 15"
LG	4 ½ — 5"	21 — 23 ½"	14 ¼ — 15 ¾"
XL	5 — 5 ½"	23 ½ — 25"	15 — 17"
2XL	5 ½ — 6"	25 — 28"	17 — 19"




New Available Colors

Featured in Matte Grey

Results

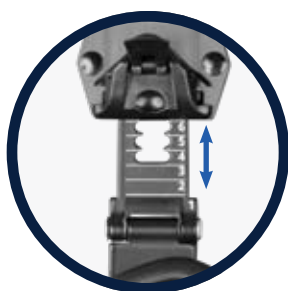


Improvements in Function and Strength with Decompressive Bracing of the Osteoarthritic Knee. E. Lamberg et al. *Journal of Prosthetics and Orthotics*. 28(4):173-179, Oct 2016.

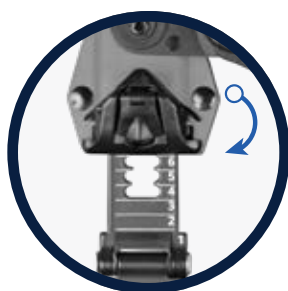
Adjustable Correction for OA Braces: LoadShifter



Lift



Slide

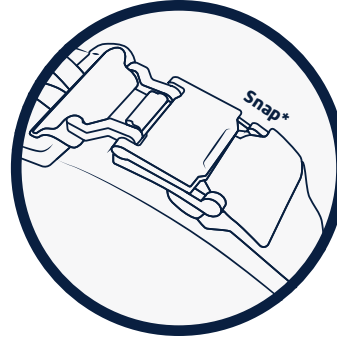


Lock

The patented LoadShifter mechanism and tool-less SnapLock are innovative features incorporated into the femoral section of Townsend's Rebel Reliever®, Premier Reliever and Reliever Air rigid OA knee braces. By releasing the SnapLock, the fitter can utilize the LoadShifter to adjust the angle of the thigh shell. Increasing corrective pressure at the top of the leg amplifies the three-point counterforce at the knee and distal end of the brace — improving leg alignment and reducing compressive load on the damaged side of the knee.



Slide



Snap



Go

Action Reliever

RECOMMENDED L-CODE 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 apply brace with an ultra-low-profile look and fit.

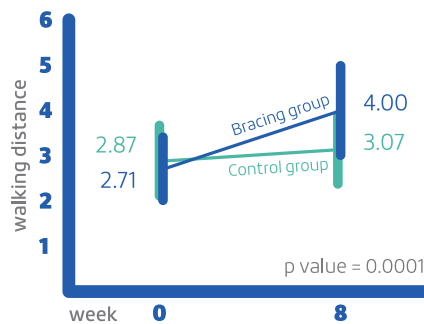
Recommended for: *Mild to moderate medial or lateral osteoarthritis / simple application for active patients looking for a slim and comfortable OA bracing solution.*

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	Circumference	
	6" Above Knee	6" Below Knee
1	15 — 16 ¼"	11 — 12 ¼"
2	16 ¼ — 17 ¾"	12 ¼ — 13 ¾"
3	17 ¾ — 19"	13 ¾ — 15"
4	19 — 20 ½"	15 — 16 ½"
5	20 — 21 ½"	16 ½ — 17 ½"
6	21 — 22 ½"	17 ½ — 18 ½"
7	22 — 24"	18 ½ — 20"
8	24 — 26 ½"	20 — 21 ¼"







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).

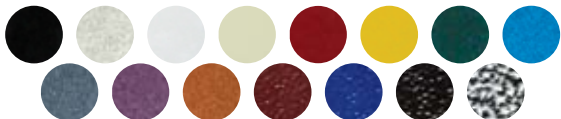
Recommended for: *Moderate to severe medial or lateral unicompartement osteoarthritis. The double upright model is recommended for combination OA and ligament instability. The single hinge PR1 is ideal for lateral OA.*

Features

- Custom molded solid core carbon graphite shells
- Townsend Motion TM5+ Hinges
- 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 101*)

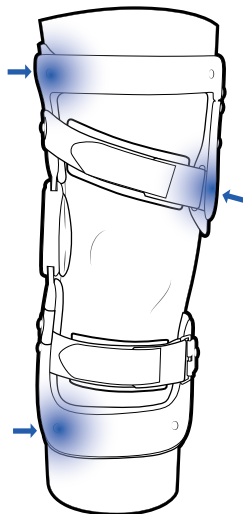


Ordering Method

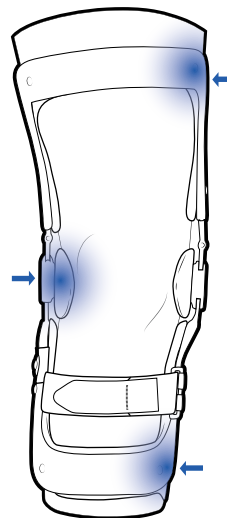
- Custom from a cast or digital leg scan (*see page 99*)



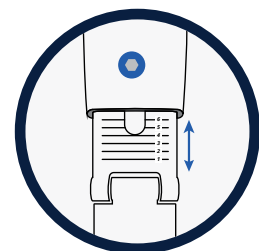
PR1



Corrective Forces
PR1



Corrective Forces
Premier Reliever



Load Shifter



TM5+ Hinge



Reliever, Reliever Air & Reliever Air Lite

PDAC APPROVED BASE CODE L1846

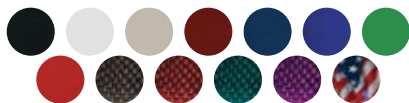
Recommended for: *Moderate to severe medial or lateral osteoarthritis and/or combination OA and ligament instability. Ideal for patients requiring soft tissue containment and maximum off loading.*

Features

- Custom wet lamination carbon graphite shells
- Maximum control thanks to large shell to skin contact surface
- Townsend Motion TM5+ Hinges
- Patented LoadShifter
- Exclusive Synergistic Suspension Strap
- Anti-rotation tibia 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 101*)



Ordering Method

- Custom from a cast or digital leg scan (*see page 99*)

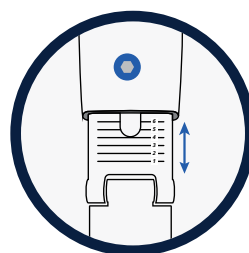


Reliever Air



Reliever

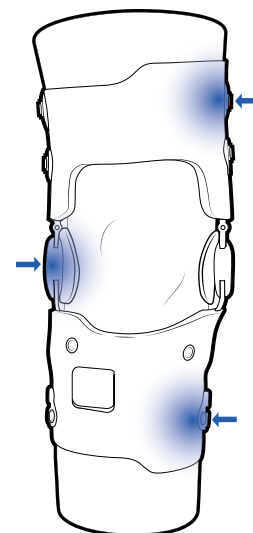
Reliever Air Lite



Load Shifter



TM5+ Hinge



Corrective Forces

RelieverOne

PDAC APPROVED L1843/L1851

Recommended for: *Mild to moderate medial osteoarthritis.*

Features

- Aircraft aluminum frame
- Townsend Motion Hinge opposite affected compartment
- Adjustable paddle for comfortable distribution of corrective force
- Exclusive Synergistic Suspension Strap
- Anti-migration strap padding
- Rotation control tibial shell contouring

Options

- Shell length (7" or 8" upper or lower)
- Flexion stop kit (Extension stop kit included)
- Optional powdercoat colors ([see page 101](#))



Ordering Method

- OTS sizing
- Custom fit from 3 leg measurements
- Custom from a cast or digital leg scan ([see page 99](#))



UniReliever

PDAC APPROVED L1843/L1851

Recommended for: *Mild to moderate lateral osteoarthritis.*

Features

- Aircraft aluminum frame
- Townsend Motion Hinge beside the affected compartment
- Adjustable force buttress
- Exclusive Synergistic Suspension Strap
- Anti-migration strap padding
- Rotation control tibial shell contouring

Options

- Shell length (7" or 8" upper or lower)
- Flexion stop kit (Extension stop kit included)
- Optional powdercoat colors ([see page 101](#))

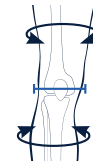


Ordering Method

- OTS sizing
- Custom fit from 3 leg measurements
- Custom from a cast or digital leg scan ([see page 99](#))



Size	M-L Width	Circumference	
		6" Above Knee	6" Below Knee
XS	3 — 3 ½"	12 ½ — 15 ½"	11 — 12 ½"
SM	3 ½ — 4"	15 ½ — 18 ½"	12 ¼ — 13 ¾"
MD	4 — 4 ½"	18 ½ — 21"	13 ¼ — 15"
LG	4 ½ — 5"	21 — 23 ½"	14 ¼ — 15 ¾"
XL	5 — 5 ½"	23 ½ — 25"	15 — 17"
2XL	5 ½ — 6"	25 — 28"	17 — 19"



Dynamic Reliever

PDAC APPROVED L1843/L1851

Recommended for: *Mild to moderate medial OA and patients who are looking for a semi-rigid knee brace.*

Features

- Self-contouring nylon shells for an intimate, comfortable fit that optimize delivery of corrective forces and prevents brace migration
- Correcting Dosing Dial increases correction 0-20°
- Exclusive Townsend Motion Hinge tracks with the roll-and-glide translation of the knee
- Automatically telescopes inward as knee extends to deliver maximum correction at mid-stance phase of gait
- Premium soft adjustable straps
- Speed Klips™ for easy-on and easy-off
- Tool-less adjustable tibia shell bolster prevents brace rotation as correction is applied

Ordering Methods

- OTS sizing
- Custom fit 3 leg-measurements
- Individual shells for assembly in clinic
- Start kit with 12 shell (6 upper 6 lower)
- Custom from a cast or digital leg scan ([see page 99](#))



Dosing Dial

Speed Klips™

Size	Circumference	
	6" Above Knee	6" Below Knee
1	14 — 18"	11 — 14"
2	18 — 24"	14 — 17"
3	23 ½ — 28"	17 — 19"



Active Reliever

RECOMMENDED L-CODE L1851

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
- Anatomically correct roll-and-glide Townsend Motion Hinge with adjustable ROM stops
- 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	Circumference	
	6" Above Knee	6" Below Knee
XS	13 — 15"	10 — 12"
SM	15 — 18"	12 — 14"
MD	18 — 21"	14 — 16"
LG	21 — 23"	16 — 18"
XL	23 — 26"	18 — 20"
2XL	26 — 29"	20 — 22"
3XL	29 — 32"	





EXOGUARD

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

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

Features

- Townsend TM5+ Motion 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 99](#))



Ultimate Fit

- EXOGUARD is a true custom knee brace, molded to a positive model of the leg, obtained either from a cast or a scan.
- Intimate shell to skin surface contact provides superior control and protection.



Ultimate Precision

- The Townsend Motion Hinge mirrors knee kinematics providing continuous brace-to-leg contact, enhancing functional control.
- The unique tibial shell design and vacuum lamination process provides superior rotary control.
- No migration and no pistoning thanks to the combination of a biomechanically correct hinge and our patented suspension strap technology.



Ultimate Strength

- Advanced composite technology creates an extremely durable yet lightweight structure.
- Independent lab results prove EXOGUARD has superior durability in lateral impact testing.
- HD lamination option specially designed for high impact sports.
- Available with aircraft grade aluminum or stainless steel hinge





Rebel Series Braces

PDAC APPROVED L1845/L1852

The Rebel is a high-grade aluminum knee brace that incorporates Townsend patented hinge technology and suspension features, such as the Synergistic Suspension Strap and Compression Suspension Package. In addition, we offer the Rebel Lite (lightweight, less rigid) and Rebel Pro (heavy users and contact sports).

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

Features

- Rigid aircraft grade aluminum frame
- Townsend Motion TM5+ Hinges
- Exclusive Synergistic Suspension Strap
- Rotation control tibial shell contour

Options

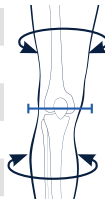
- Available in three different frames
 - > Rebel Lite (lowest weight, less rigid) 13" only
 - > Rebel (ideal for most patients)
 - > Rebel Pro (heavy users and contact sports)
- Anti-migration strap padding
- ACL or combined instabilities
- 6", 7", or 8" lower; 7" or 8" upper
- Compression/Suspension anti-migration package*
- Flexion stop kit (Extension stop kit included)
- Powdercoat finish in a variety of colors (*see page 101*)



Ordering Methods

- OTS sizing
- Custom fit from 3 leg measurements
- Custom from a cast or digital leg scan (*see page 99*)

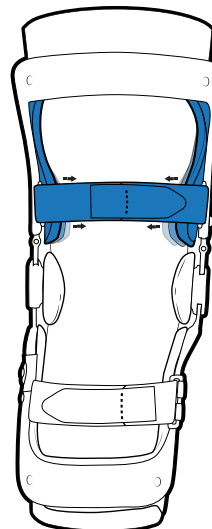
Size	M-L Knee Width	Circumference	
		6" Above Knee	6" Below Knee
XS	3 — 3 ½"	12 ½ — 15 ½"	11 — 12 ½"
SM	3 ½ — 4"	15 ½ — 18 ½"	12 ¼ — 13 ¾"
MD	4 — 4 ½"	18 ½ — 21"	13 ¼ — 15"
LG	4 ½ — 5"	21 — 23 ½"	14 ¼ — 15 ¾"
XL	5 — 5 ½"	23 ½ — 25"	15 — 17"
2XL	5 ½ — 6"	25 — 28"	17 — 19"
3XL*	6 — 6 ½"	28 — 31"	19 — 21"



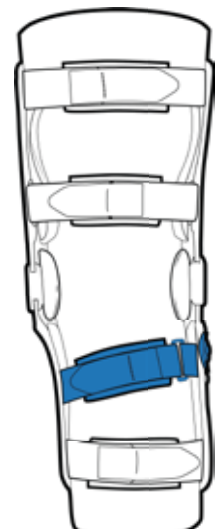
*Rebel Pro 14" only



Anti-migration Technology



*Optional C/S Package
(Compression/Suspension)



Synergistic
Suspension Strap



Premier Series

PDAC APPROVED BASE CODE L1846

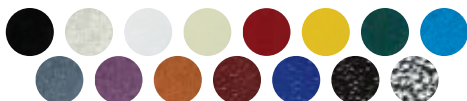
Recommended for: Ligament injuries and/or reconstructive knee surgery or prophylactic use.

Features

- Custom molded solid core carbon graphite shells
- Townsend Motion TM5+ Hinges
- 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 101*)



Ordering Method

- Custom from a cast or digital leg scan (*see page 99*)



Air Townsend & Air Lite

PDAC APPROVED CODE L1846

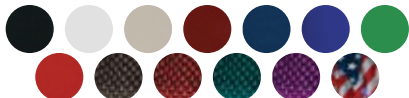
Recommended for: Patients who desire or require maximum control after experiencing a ligament injury and/or reconstructive knee surgery.

Features

- Custom wet lamination carbon graphite shells
- Maximum control thanks to the large shell contact surface
- Townsend Motion TM5+ Hinges
- Exclusive Synergistic Suspension Strap
- Anti-rotation tibia 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 101)



Ordering Method

- Custom from a cast or digital leg scan (see page 99)



Air Lite



Air Townsend





RebelLock

PDAC APPROVED L1845/L1852

Recommended for: Severe instabilities requiring a locking orthosis.

Features

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

Options

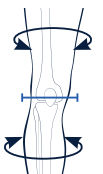
- 14, 15- and 16-inch shell length
- Locking position can be set at 0° or 5°
- Flexion stops at 30°, 60°, or 90°
- Extension Assist
- Powdercoat finish in a variety of colors ([see page 101](#))



Ordering Method

- Custom fit from 3 leg measurements
- Custom from a cast or digital leg scan ([see page 99](#))

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



Motocross Series

RECOMMENDED L-CODE L1846

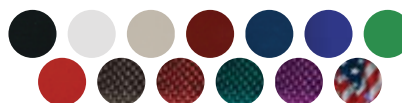
Recommended for: Motocross riders who have experienced ligament injuries and/or reconstructive knee surgery or prophylactic use.

Features

- Custom wet lamination carbon graphite shells
- Townsend Motion TM5+ Hinges
- 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 101*)



Ordering Method

- Custom from a cast or digital leg scan (*see page 99*)



Motocross Air

BOLD

PDAC APPROVED L1845/L1852

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

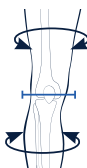
Features

- Lightweight brushed aluminum frame with black polymer cuffs
- Townsend Motion TM5+ Hinges
- Exclusive Synergistic Suspension Strap
- 14 Inch length
- Anti-migration strap padding

Options

- Flexion stop kit (Extension stop kit included)

Size	M-L Knee Width	Circumference	
		7" Above Knee	7" Below Knee
SM	3 ½ — 4"	15 ½ — 18 ½"	12 ¼ — 13 ¾"
MD	4 — 4 ½ "	18 ½ — 21"	13 ¼ — 15"
LG	4 ½ — 5"	21 — 23 ½"	14 ¼ — 15 ¾"
XL	5 — 5 ½"	23 ½ — 25"	15 — 17"





ROM-R

PDAC PENDING 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
- Easy to adjust
- 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

Options

- Full Shell pads available Q2 2020



Length adjustment



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



ROMX Hinge

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 media/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



Tool-Free Length Adjustments

Size	Circumference 6" Above Mid Patella
SM	14 — 18 3/4"
MD	18 3/4 — 20 3/4"
LG	20 3/4 — 24 3/4"
XL	24 3/4 — 29 1/2"
2XL	29 — 34"





Genu Ligaflex®

PDAC APPROVED L1820

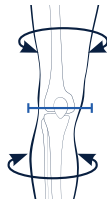
PRODUCT #237503 (PULL-ON) AND #237505 (ANTERIOR CLOSURE)

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
- Townsend'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

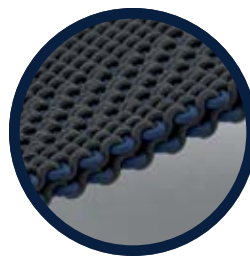
Size	Circumference		Anterior Closure
	5" Above Knee	5 ½" Below Knee	
1	14 ¾ - 17 ¼ "	11 ¾ - 13 ½ "	
2	16 - 18 ¼ "	13 - 14 ½ "	
3	17 ¼ - 19 ¾ "	14 ½ - 16 "	
3+	19 - 21 ¼ "	14 ½ - 16 "	
4	19 - 21 ¼ "	16 - 17 ½ "	
4+	20 ½ - 22 ¾ "	16 - 17 ½ "	
5	20 ½ - 22 ¾ "	17 ½ - 19 "	
5+	22 - 24 ½ "	17 ½ - 19 "	
6	22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



Genu Ligaflex Anterior Closure



Genu Ligaflex Pull-On



Thuasne Knit technology

Comfort
Compression,
Breathable

Size	Knee Circumference	Pull-On
1	12 ½ - 13 ¾ "	
2	13 ¾ - 14 ½ "	
3	14 ½ - 16 ¼ "	
4	16 ½ - 17 ¾ "	
5	18 - 19 ¼ "	
6	19 ¼ - 20 ¾ "	



Genu Ligaflex[®] ROM

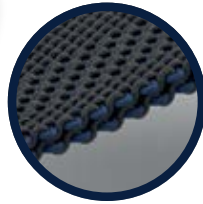
PDAC APPROVED L1832/L1833

PRODUCT #238604 (PULL-ON) AND #238605 (ANTERIOR CLOSURE)

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

Features

- Available in pull-on and anterior closure models in 12" and 16" lengths.
- Medical grade compression
- Easy to use hook-and-loop 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



Thuasne Knit technology

*Comfort
Compression,
Breathable*

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



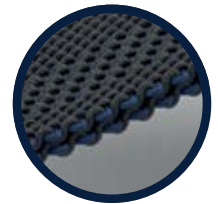
Genu Dynastab[®]

PDAC APPROVED L1810

PRODUCT #237005

- 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	Knee Circumference
1	12 ½ — 13 ¾"
2	13 ¾ — 15"
3	15 — 16 ½"
4	16 ½ — 18"
5	18 — 19 ½"
6	19 ½ — 21"



Thuasne Knit technology

*Comfort
Compression,
Breathable*



Flexion or Extension
Stop Kit Included



Townsend
Hinge Included

TS ROM 1200/1600

PDAC APPROVED L1832/L1833

Recommended for: *Mild ligament injuries and/or reconstructive knee surgery.*


Features

- Anterior closure and pull-on models
- Rigid aluminum bars
- Reinforced nylon hinge pockets (no exposed metal)
- Condylar pads
- Townsend ROM control hinges
- Flexion and extension stop kit included
- Universal left or right

Options

- Latex-free neoprene sleeve material or fiber-cool spacer fabric sleeve material
- 12-Inch (2 straps) and 16-inch (4 straps) models
- 4XL only offered in neoprene

Size	Knee Circumference
SM	13 — 14"
MD	14 — 15"
LG	15 — 17"
XL	17 — 19"
2XL	19 — 21"
3XL	21 — 22"
4XL	22 — 23"



Sport Series

PDAC APPROVED L1820

Recommended for: *Mild ligament injuries and/or reconstructive knee surgery.*


Features

- Anterior closure and pull-on models
- Rigid aluminum bars
- Reinforced nylon hinge pockets (no exposed metal)
- Condylar pads
- Townsend Motion Hinges
- Universal left or right

Options

- Two hinge options (TM5 or non-adjustable 5 degree extension stop)
- Latex-free neoprene sleeve material or fiber-cool spacer fabric sleeve material
- 12-Inch (2 strap) and 16-inch (4 strap) model
- OTS sizing in S-4X. 4X only offered in neoprene

Size	Knee Circumference
SM	13 — 14"
MD	14 — 15"
LG	15 — 17"
XL	17 — 19"
2XL	19 — 21"
3XL	21 — 22"
4XL	22 — 23"





Genu PRO ACTIVE

PDAC APPROVED L1810/L1812

PRODUCT #U31001

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

Features

- Patented silicone patellar insert
- Medical grade compression
- Double upright hinges
- Lateral silicone bands
- Soft knit over the popliteal crease
- Anatomical cut at the calf
- Universal left or right

Size	Circumference	
	5 1/2" Above Knee	5" Below Knee
1	13 3/4 — 15 1/4"	9 3/4 — 11"
2	15 — 16 1/4"	11 — 12 1/4"
3	16 1/4 — 17 1/4"	12 1/4 — 13 1/2"
4	17 1/4 — 18 1/2"	13 1/2 — 14 1/2"
5	18 1/2 — 20"	14 1/2 — 16 1/4"
6	20 — 21 3/4"	16 1/4 — 17 3/4"
6+	21 3/4 — 23 1/4"	17 — 18 1/2"
7	23 1/4 — 25 1/4"	17 3/4 — 19 1/4"
7+	25 1/4 — 27 1/4"	18 1/2 — 20"





Patella Reliever

PDAC APPROVED L1810/L1812

PRODUCT #234801

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	Knee Circumference
1	12 ½ — 13 ¾"
2	13 ¾ — 15"
3	15 — 16 ½"
4	16 ½ — 18"
5	18 — 19 ½"
6	19 ½ — 21"



Ligastrap Genu

PDAC APPROVED A4466

PRODUCT #217002

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	Knee Circumference
1	12 ½ — 13 ¾"
2	13 ¾ — 15"
3	15 — 16 ½"
4	16 ½ — 18"
5	18 — 19 ½"
6	19 ½ — 21"



Silistab Genu

PDAC APPROVED A4466

PRODUCT #234005

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	Knee Circumference
1	12 ¼ — 13 ½"
2	13 ½ — 14 ½"
3	14 ½ — 15 ¾"
4	15 ¾ — 17"
5	17 — 18"
6	18 — 19 ¼"



Genuxtrem

PDAC APPROVED A4466

PRODUCT #232101

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	Knee Circumference
1	12 ½ — 13 ¾"
2	13 ¾ — 15"
3	15 — 16 ½"
4	16 ½ — 18"
5	18 — 19 ½"
6	19 ½ — 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 layout 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

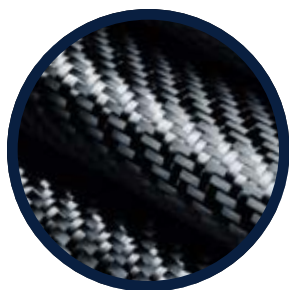
Features

- 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 options (see page 83)

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



Proprietary Fabrication

Precise selection and layout of diverse composite materials create remarkable strength and beautiful cosmetic characteristics.



Posterior Lateral Strut

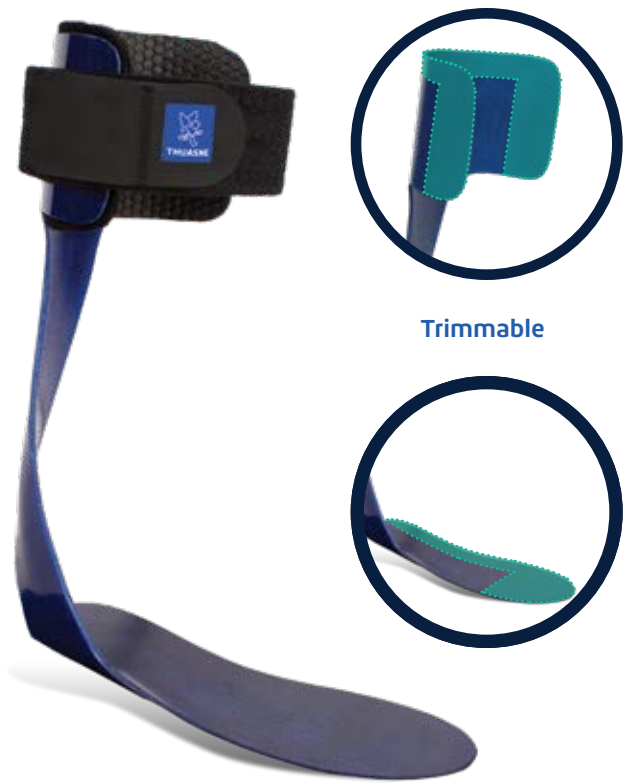
The spiral strut is uniquely positioned behind the malleoli to amplify energy return and fit more easily into most shoes.



Customizable

The forefoot can be easily trimmed for a perfect fit.





Trimmable

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

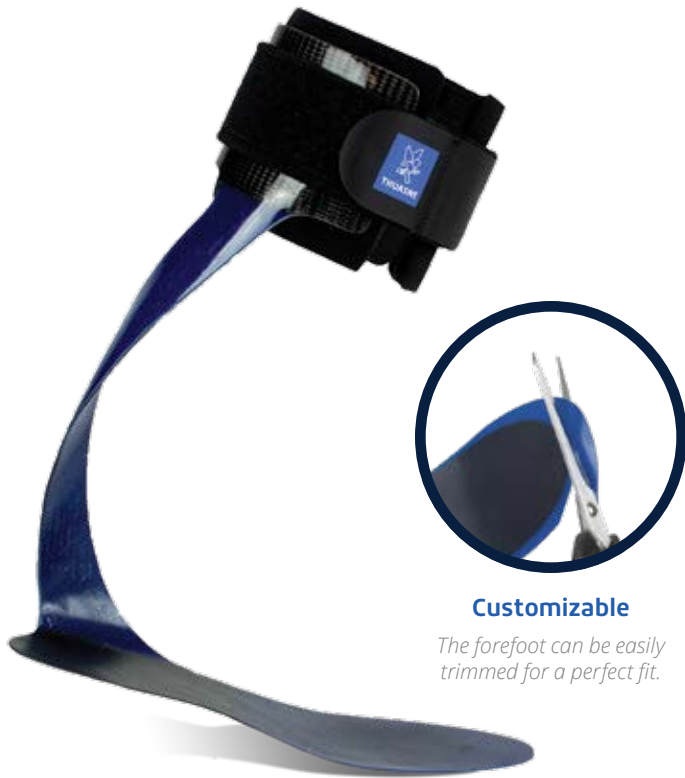
- Available in left or right

Size	Foot Length		Height	
	Min ¹	Max	Min ²	Max
XS	3 ¾"	5 ¾"	6 ¼"	7"
SM	4 ¼"	6 ¼"	7 ½"	8 ¼"
MD	5"	7"	8 ¾"	9 ½"
LG	5 ½"	7 ½"	9 ¾"	10 ½"
XL	6"	8"	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



Customizable

The forefoot can be easily trimmed for a perfect fit.

SpryStep® Flex

PDAC APPROVED L1951

Recommended for: *Footdrop / fatiguable 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 energy return
- Proprietary posterior lateral position of the strut increases patient compliance and amplifies energy return
- Trimmable forefoot ensures a perfect fit
- Custom version available based on size, pathology, or activity level
- Fits easily into most shoes
- Recommended for the most active patients (Running, Hiking, etc.)

Ordering

- Available in left or right
- Custom options ([see page 83](#))

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





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
- 3D shaped pad featuring a recessed tibia 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

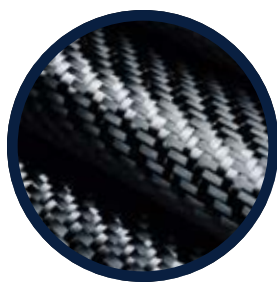
- Available in left or right
- Custom options ([see page 83](#))



Customizable

The forefoot can be easily trimmed for a perfect fit.

Size	Foot Length	Height to Tib Tuberosity	Calf circumference 1" below fibula head
XS	3 ¾"	5 ¾"	6 ¼"
SM	4 ¼"	6 ¼"	7"
MD	5"	7"	7 ¾"
LG	5 ½"	7 ½"	8 ¾"
XL	6"	8"	9 ½"



Proprietary Fabrication



Customizable

The forefoot can be easily trimmed for a perfect fit.

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 face 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 tibia 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 amplifies energy return
- Trimmable forefoot ensures a perfect fit

Ordering

- Available in left or right

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



Customizable

The blue area can be easily trimmed for a perfect fit.



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

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



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
- Indoor sanitary outer sole cover
- Mid-calf or full-calf models available
- Universal left or right

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



**Adjustable Front
Plate Compression**



Positional Toe Guard



Mid-calf Model



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
- Indoor sanitary outer sole cover
- Universal left or right



Fixed Ankle
w/Air Bootie

Fixed Ankle

ROM Hinge

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





Malleo Dynastab Boa™

PDAC APPROVED L1902

PRODUCT #235102

The lightweight, low-profile brace for active patients in need of ankle stability. Featuring The Boa™ reel 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™ tightening 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	Ankle Circumference
------	---------------------

1	7 ½ — 8 ¾"
2	8 ¾ — 10 ¼"
3	10 ¼ — 11¾"



Malleo Dynastab

PDAC APPROVED L1902

PRODUCT #235002

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	Ankle Circumference
------	---------------------

1	7 ½ — 8 ¾"
2	8 ¾ — 10 ¼"
3	10 ¼ — 11¾"





Ligacast Air+

PDAC APPROVED L4350

PRODUCT #233401

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

PRODUCT #231501

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



Ligacast Junior

RECOMMENDED L-CODE L4350

PRODUCT #2600001004

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

Premier Ankle Brace

RECOMMENDED L-CODE L1970

Recommended for: *Instability / inversion and eversion issues / chronic angle instabilities and some forms of arthritis / posterior tibial tendon dysfunction.*

Features

- Anterior or posterior tibia containment shell
- Thermo-plastic or carbon footplate
- Hinges integrate seamlessly into the brace structure
- Easy to install inserts restrict inversion and eversion motion
- Multiple shell configuration available

Ordering

- Custom from a cast or digital leg scan (*see page 99*)



Premier-ATS
(Anterior Tibia Shell)



Premier-SU/ATS
(Single Upright with Anterior Shell)



Thermo Plastic-PTS
(Posterior Tibia Shell)



Premier-PTS
(Posterior Tibia Shell)



Premier-PTS/TJ
(Posterior Tibia Shell & Tamarack Joints)



Optional Dorsi Assist Bands



NOX Splint

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



Night Splint

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



Malleoaction

PDAC APPROVED A4466

PRODUCT #236102

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	Ankle Circumference
1	7 ½ — 8 ¼"
2	8 ¼ — 9"
3	9 — 9 ¾"
4	9 ¾ — 10 ¾"
5	10 ¾ — 11 ¾"





Malleo Go

PDAC APPROVED A4466

PRODUCT #T300202

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	Ankle Circumference
1	6 ¾ — 7 ½"
2	7 ½ — 8 ¼"
3	8 ¼ — 9"
4	9 — 9 ¾"
5	9 ¾ — 10 ¾"
6	10 ¾ — 11 ¾"



Ligastrap Malleo

PDAC APPROVED A4466

PRODUCT #218003

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	Ankle Circumference
1	7 ½ — 8 ¼"
2	8 ¼ — 9"
3	9 — 9 ¾"
4	9 ¾ — 10 ¾"
5	10 ¾ — 11 ¾"



Silistab Achillo

PDAC APPROVED A4466

PRODUCT #235502

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 3 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	Ankle Circumference
1	7 ½ — 8 ¼"
2	8 ¼ — 9"
3	9 — 9 ¾"
4	9 ¾ — 10 ¾"
5	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® Custom

RECOMMENDED L-CODE L1950/L1940

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 gate / hip hiking/contralateral trunk lean*

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 energy return for activity re-engagement
- Superior cosmetic finish

Sizing

- Custom from a cast ([see page 99](#))



Available Models



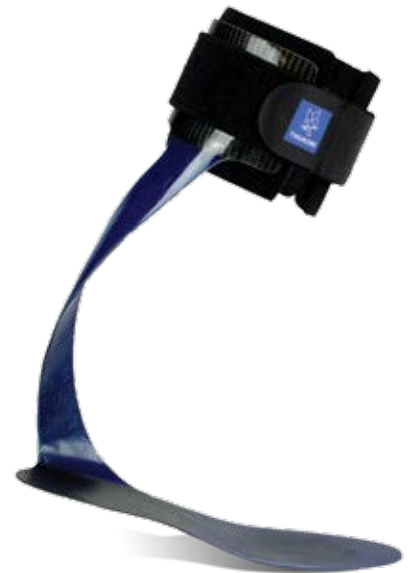
SpryStep® Original

Launched in October, 2016, the SpryStep® is an elegant and effective solution that is incredibly durable.



SpryStep® Plus

Featuring an enhanced anterior Ground Reaction AFO with excellent dynamic properties and optimized durability.



SpryStep® Flex

The greater spiral curve of the strut and a different material blend gives the SpryStep® Flex unmatched flexibility.

SpryStep® Vector

PDAC APPROVED L1950

The Custom Spiral AFO is an elegant, durable, patient-friendly 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.

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
- Cyclic load resistant aramid forefoot
- Malleable, heat formable thermoplastic calf cuff
- Exclusive posterior lateral strut fits easily into most shoes
- Open heel design for greater comfort
- Composite shell avoids bony prominences

Sizing

- Custom from a cast ([see page 99](#))



Pre-Tibial Shell & Varus Correction

Available Models



Posterior Shell



Pre-Tibial Shell



Posterior Shell & Varus Correction



Premier AFO

RECOMMENDED L-CODE L1970

Recommended for: *Instability / inversion and eversion issues / chronic ankle instabilities and some forms of arthritis / posterior tibial tendon dysfunction*

Features

- Low profile, carbon graphite shell
- Rigid and durable solid core construction
- Fixate or limit inversion/eversion of standard joints
- Custom sizing from cast or scan

Options

- Posterior and anterior shell configurations
- Carbon or thermoplastic footplates
- Townsend or Becker Orthopedic joints
- Variety of colors and finishes

Ordering

- Custom from a cast or digital leg scan ([see page 99](#))



Custom Carbon Locking

RECOMMENDED 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 102](#))

Ordering

- Custom from a cast or digital leg scan ([see page 99](#))





Custom Carbon Polio Style Knee Braces

RECOMMENDED 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
- Townsend Original or 5 Bar knee joints
- Optional extension assist bands

Ordering

- Custom from a cast or digital leg scan ([see page 99](#))



FullShell BK Specialty Knee Orthosis

RECOMMENDED L-CODE L1846

The Full Shell BK Brace is the custom solution designed to control knee instabilities for below knee amputees.

Recommended for: *Mild to moderate ACL and MCL ligament injuries / meniscal cartilage injuries / ligament laxity of the knee / knee instabilities in the coronal plane / genu recurvatum / and quadriceps weakness.*

Features

- Accommodates any size BK socket
- 5 bar locking joints can be coupled with Twist Release, Free Motion, Lever Release or no free motion
- Townsend Original Hinge
- Optional Extension Assist
- Becker locking knee joint options
- Becker external lock release options

Special casting instructions for the Full Shell BK Brace can be found on page 99



Dynamic KAFO

RECOMMENDED L-CODE L2036

Recommended for: *Experiencing genu recurvatum / isolated quad weakness or flexion weakness / knee instabilities with foot drop / mild to moderate foot and ankle weakness without tone or contractions*

Features

- Multiple free knee and locking knee hinge options available (see page 4 for details)
- The spiral strut is uniquely positioned behind the malleoli to amplify energy return and fit more easily into most shoes
- Composite shell avoids bony prominences (open heel, metatarsal head)
- Available with our elegant and ingenious twist release trigger lock with integrated cables for variable terrain patients
- Ultra-light (lightest KAFO option)
- Ideal for asymmetric gait patients

Options

- OA treatment when ordered with LoadShifter mechanism
- Locking capabilities with Townsend and Becker options

Ordering

- Custom from a cast ([see page 99](#))

Available Models



Locking Knee



Free Knee With
Molded Inner Boot



Locking knee and molded
inner boot model



Hybrid Carbon KAFO

RECOMMENDED L-CODE L2036

Recommended for: *Partial paralysis of the leg muscles / weakness in the quadriceps / Polio / MS / incomplete spinal cord injury / femoral nerve damage / genu recurvatum / other lower extremity pathologies.*

Features

- Carbon graphite and thermoplastic composition
- Range of hinges from Townsend and Becker
- Custom made from a cast or digital scan
- Multiple trimlines and shell configurations
- Fully adjustable by qualified O&P practitioners

Ordering

- Custom from a cast or digital leg scan (*see page 99*)





Premier KAFO

RECOMMENDED L-CODE L2036

RECOMMENDED L-CODE L2005 WITH STANCE CONTROL

Recommended for: *Partial paralysis of the leg muscles / weakness in the quadriceps / Polio / MS / incomplete spinal cord injury / femoral nerve damage / genu recurvatum / failed total knee surgeries / other lower extremity pathologies.*

Features

- Custom molded solid core carbon graphite shells
- Rotation control tibial shell contour
- Becker's Stance Control and locking knee joints
- Townsend's Integrated Twist Release Mechanism
- Thermoplastic footplate
- Hidden cables in carbon shell
- Variety of colors and finishes

Ordering

- Custom from a cast or digital leg scan ([see page 99](#))



Full Shell KAFO

RECOMMENDED L-CODE L2036

RECOMMENDED L-CODE L2005 WITH STANCE CONTROL

Recommended for: *Partial paralysis of the leg muscles / weakness in the quadriceps / Polio / MS / incomplete spinal cord injury / femoral nerve damage / genu recurvatum / failed total knee surgeries / other lower extremity pathologies.*

Features

- Carbon graphite shells with thermoplastic footplate
- Range of hinges
- Hand-modified from a positive model
- Custom made from a cast or digital scan

Ordering

- Custom from a cast or digital leg scan ([see page 99](#))





Pediatric

Thuasne USA's wide range of patented solutions crafted for the specific needs of pediatric patients.



Air Townsend & Air Lite

PDAC APPROVED CODE L1846

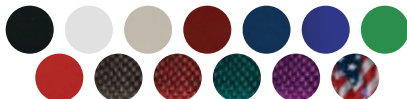
Recommended for: Patients who desire or require maximum control after experiencing a ligament injury and/or reconstructive knee surgery.

Features

- Custom wet lamination carbon graphite shells
- Maximum control thanks to the large shell contact surface
- Townsend Motion TM5+ Hinges
- Exclusive Synergistic Suspension Strap
- Anti-rotation tibia 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 101](#))



Ordering Method

- Custom from a cast or digital leg scan ([see page 99](#))



Air Lite



Air Townsend

Manurhizo Junior

PDAC APPROVED L3807/L3809

PRODUCT #263002

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.*

- Pediatric wrist and thumb support
- Conformable and X-ray friendly, radio-transparent stays in the palm region and back of the hand
- Comfortable foam-lined material
- Easy-to-use tightening straps
- Available in left or right

Wrist Circumference

4 – 5"



Manuimmo Junior

PDAC APPROVED L3908

PRODUCT #263502

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.*

- Pediatric wrist support
- Conformable and X-ray friendly, radio-transparent palmer stay
- Easy to use tightening straps
- Available in left or right

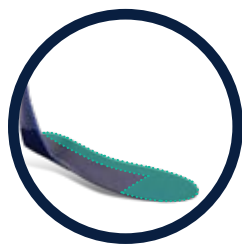
Wrist Circumference

4 – 5"





Trimnable



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	Foot Length		Height	
	Min ¹	Max	Min ²	Max
XS	3 ¾"	5 ¾"	6 ¼"	7"
SM	4 ¼"	6 ¼"	7 ½"	8 ¼"
MD	5"	7"	8 ¾"	9 ½"
LG	5 ½"	7 ½"	9 ¾"	10 ½"
XL	6"	8"	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



Ligacast Junior

RECOMMENDED L-CODE L4350

PRODUCT #2600001004

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

Townsend PediWalker

PDAC APPROVED L4387

Recommended for: Grade 1, 2 and 3 ankle sprains and stable or internally 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

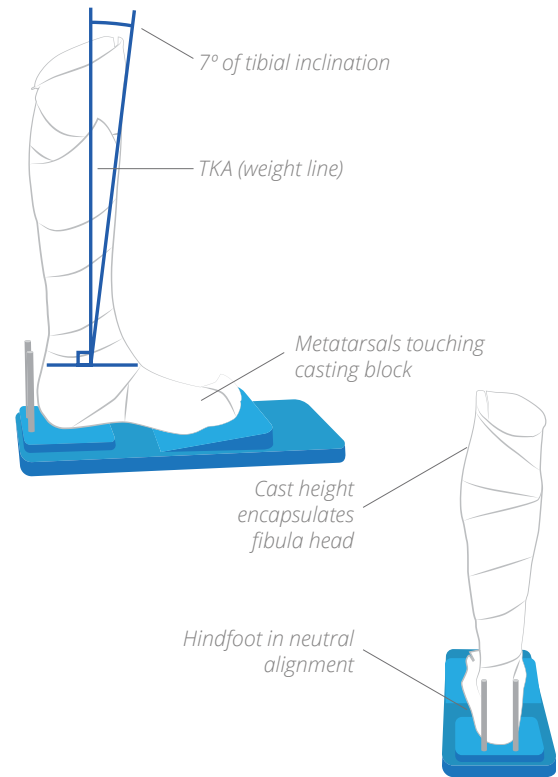
Ordering

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

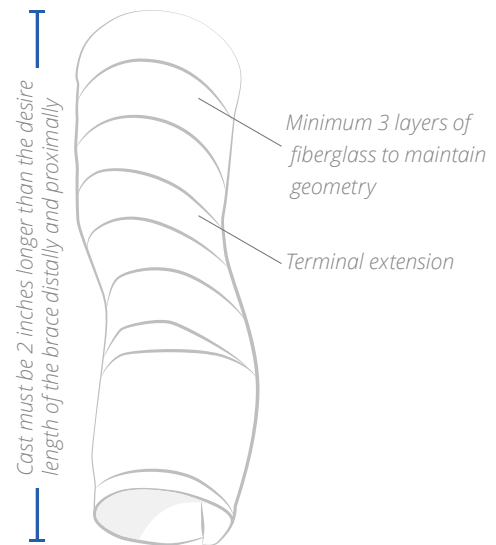


Casting Instructions

AFO Casting Guidelines	
Medium	Fiberglass (recommended brands are C-Form from ST&G, Delta Conformable BSN, Delta Lite BSN and Össur Techform)
Recommended technique	<ul style="list-style-type: none"> • Dry casting (with fiberglass) • Use of a casting platform
Position	<ul style="list-style-type: none"> • 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) • 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°
Cast length	Mid-calf and captures all toes.
Cut strip	Anterior on the dorsum of the foot to transition laterally
Markings on the cast	<ul style="list-style-type: none"> • 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.
Rigidity/Thickness	A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end
Tips	<ul style="list-style-type: none"> • 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

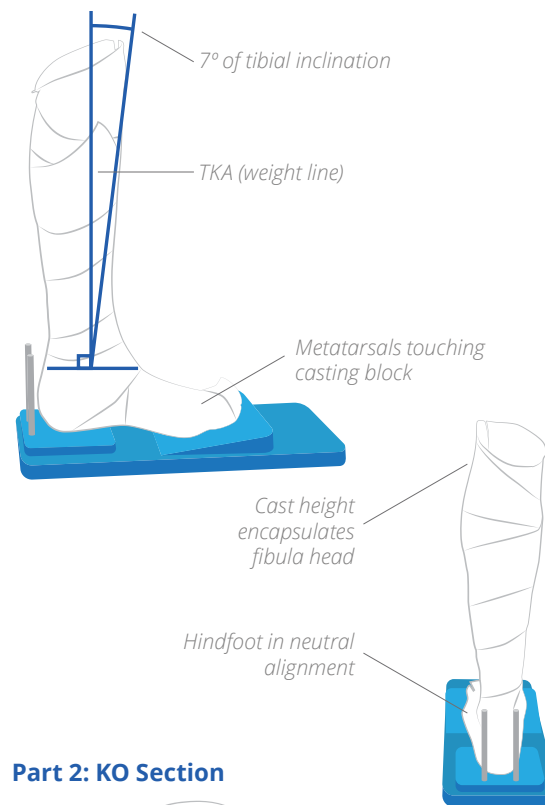


KO Casting Guidelines	
Medium	Fiberglass (any brand)
Recommended technique	Traditional technique
Position	<ul style="list-style-type: none"> • Non-weightbearing • Sitting on the edge of a chair • Terminal extension • Foot in dorsiflexion: should naturally give a proper toe out
Cast length	Cast must be 2" longer than the desired length of the brace.
Cut strip	Posterior
Markings on the cast	<ul style="list-style-type: none"> • 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.
Rigidity/Thickness	A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end
Tips	<ul style="list-style-type: none"> • 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

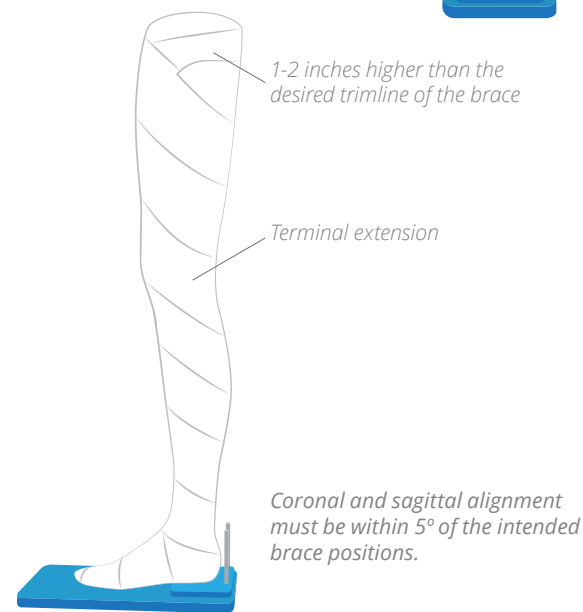


KAFO Casting Guidelines	
Medium	Fiberglass (recommended brands are C-Form from ST&G, Delta Conformable BSN, Delta Lite BSN and Össur Techform)
Recommended technique	<ul style="list-style-type: none"> • 2 stages dry casting (with fiberglass) • Use of a casting platform
Position	<p>AFO</p> <ul style="list-style-type: none"> • 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) • 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° • Leave the top 3" of the AFO section unsprayed. It will allow the two section to bond when you start the KO casting. <p>KO</p> <ul style="list-style-type: none"> • 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* (*except in case of contracture)
Cast length	<p>AFO: mid-calf and captures all toes.</p> <p>KO: 2" taller than the desired length of the brace (proximally)</p>
Cut strip	Anterior on the dorsum of the foot to transition laterally
Markings on the cast	<p>KO section - outside of cast</p> <ul style="list-style-type: none"> • Fibula head, patella, medial & lateral condyle • If applicable mark: deformity, scar tissue, and any other area of concern <p>AFO section - Outside of the cast</p> <ul style="list-style-type: none"> • 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.
Rigidity/ Thickness	A minimum of 3 layers of fiberglass throughout the cast from proximal to distal end
Tips	<ul style="list-style-type: none"> • 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 >](#)



Available Colors

Aluminum Braces

Powdercoat Colors

Matte Finish

1. Black (Standard)

- 2. Grey
- 3. White
- 4. Red
- 5. Atlantic (Light Blue)

Satin Finish

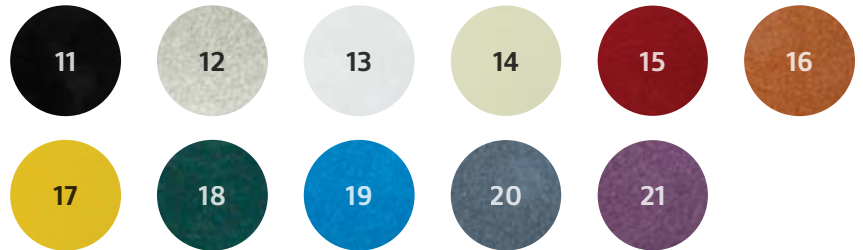
- 6. Lemon
- 7. Orange
- 8. Lime
- 9. Fuchsia
- 10. Pacific (Dark Blue)



Premier Series Braces

Paint Colors

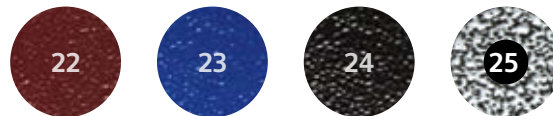
- 11. Gloss Black
- 12. Quicksilver
- 13. Pearl White
- 14. Beige
- 15. Burgundy
- 16. Burnt Orange
- 17. Indy Yellow
- 18. Emerald Green
- 19. Royal Blue
- 20. Steel Blue
- 21. Dark Violet



Premier Series Braces

Textured Powdercoat Colors

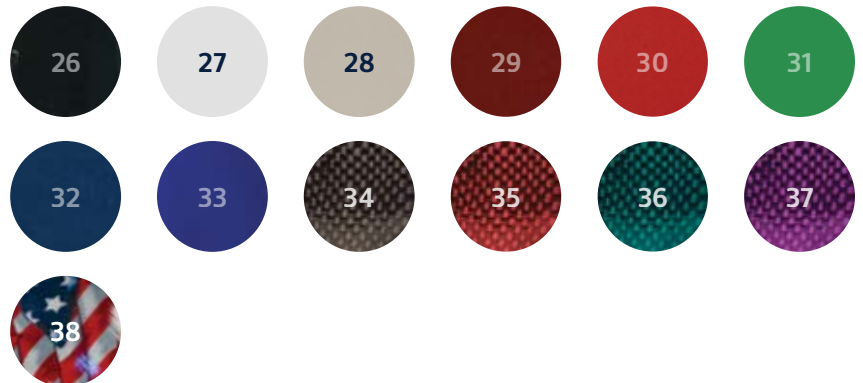
- 22. Burgundy
- 23. Royal Blue
- 24. Black
- 25. Pewter



Full Shell Series Braces

Fabrics/Pigments

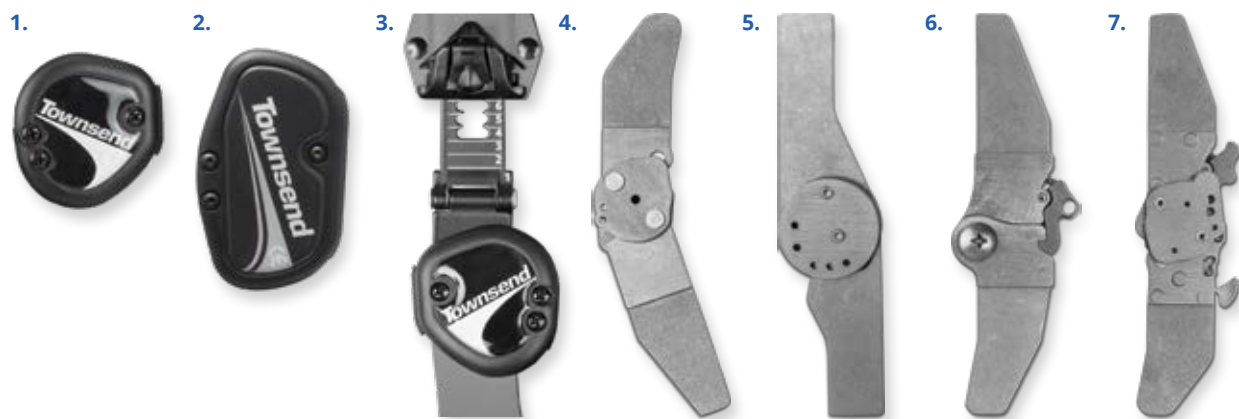
- 26. Gloss Black
- 27. Grey
- 28. Beige
- 29. Burgundy
- 30. Red
- 31. Green
- 32. Navy Blue
- 33. Royal Blue
- 34. Clear
- 35. Sheer Red
- 36. Sheer Teal
- 37. Sheer Purple
- 38. Flag Fabric



Townsend Joints

Free Motion Knee Joints

- 1. Aluminum or Stainless TM5+
- 2. Aluminum TM6
- 3. LoadShifter
- 4. 5 Bar Free Knee
- 5. Townsend Original

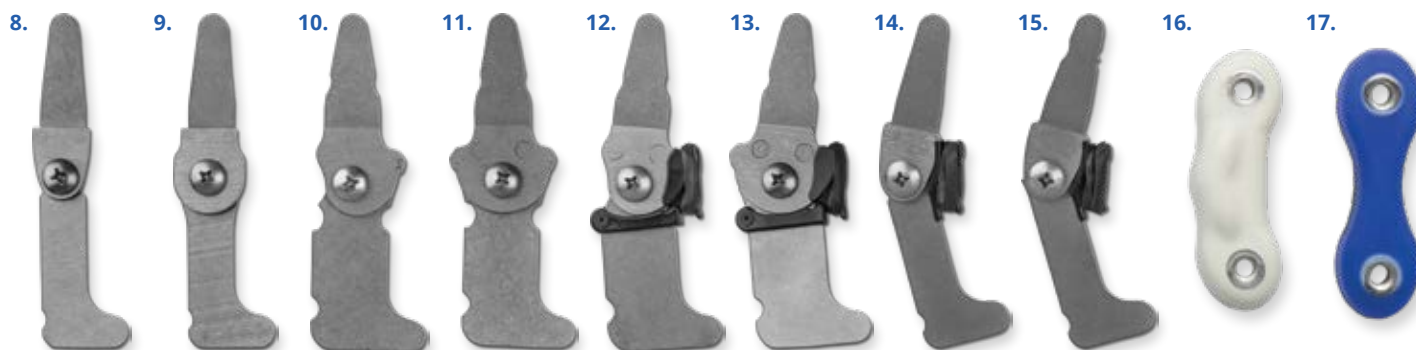


Locking Knee Joints

- 6. Single Pivot With Manual Or Cable Release
- 7. 5 Bar Trigger Locks With Manual Or Cable Release

Ankle Joints

- 8. Free Motion
- 9. Heavy Duty Free Motion
- 10. Single Adjustable*
- 11. Double Adjustable
- 12. Single Adjustable With Assist*
- 13. Double Adjustable With Assist
- 14. Dorsi Assist
- 15. Dorsi Assist With 90° Stop
- 16. Proteor Straight
- 17. Proteor Dorsi Assist



*Available in anterior stop or posterior stop

Becker Joints

(Available In Stock)

Knee Joints (For Carbon Braces)

- 18. Automatic Angled Lever Lock 1017-A
- 19. Modular Ratchet Lock 1018-A
- 20. Modular Ring Lock 1402-B



Stance Control (For Carbon Braces)

- 21. Adjustable Lever Spring Lock
- 22. Becker FullStride
- 23. Becker Safety Stride



Ankle Joints (For Carbon Braces)

- 24. Dorsi-Flexion Assist 3225-A
- 25. Standard Action 3025-A
- 26. Double Action Ankle SLM-2825-A



Instructions for Ordering OTS Products

Fabrication Schedule: Orders for individual braces or small quantities of standard size items that are received and processed prior to 1:00 PM (PST) routinely ship the same day. Larger quantity orders of braces with a non-standard powdercoat or custom paint finish routinely ship the next business day.

Orders: Call 1 (800) 432-3466, fax 1 (800) 798-2722, or email OTS orders to eorders@thuasneusa.com.

Warranty Information

Product integrity, durability and fabrication quality are backed by service warranties. Our warranty policies are intended, for a defined period of time, to resolve issues related to material or fabrication defects, and ensure the product fits and functions properly. Warranty coverage is based on normal use and conditions. During and after the defined warranty period, Thuasne USA's objective is to offer services that achieve customer satisfaction.

Custom Carbon Graphite Knee

Lifetime repair or replacement of a brace that has a shell or hinge failure. Replacement of parts including straps, chafes, hinges, hinge covers and padding that have material defects, breakage or unusual wear within the first six months from the date of purchase. Free remolding or product replacement related to fitting issues that occur within six months of the date of purchase.

Custom, Customized & Pre-Sized Aluminum Knee Braces

Repair or replacement of a brace that has any failure or compromise to the metal frame or hinges for one year from the date of purchase. Replacement of parts including straps, chafes, hinges, hinge covers and padding that have material defects, breakage or unusual wear within the first six months from the date of purchase. Free remolding or product replacement related to fitting issues within six months of the date of purchase for a custom brace, and 30 days for a customized or pre-sized brace.

Custom Premier Ankle Brace

Repair or replacement of a brace that has any failure or compromise to the shell, foot plate or hinges for one year from the date of purchase. Replacement of parts including straps, chafes, hinges, hinge plates and padding that have material defects, breakage or unusual wear within the first six months from the date of purchase. Free remolding or product replacement related to initial fitting issues within 30 days of the date of purchase.

Instructions for Ordering Custom Products

Please submit completed order form and cast or digital leg scan to escan@thuasneusa.com. For current order forms and casting instructions visit ThuasneUSA.com.

Custom Premier Series KAFO & AFO

Repair or replacement of a brace that has any failure or compromise to the graphite shells, foot plate or hinges for one year from the date of purchase. Replacement of parts including straps, chafes, hinges, hinge plates and padding that have material defects, breakage or unusual wear within the first six months from the date of purchase. Free remolding or product replacement related to initial fitting issues within 30 days of the date of purchase

OTS & Custom SpryStep® AFOs

Repair or replacement of AFO that has any failure or compromise to the structure of the device for one year from the date of purchase. Replacement of parts including straps, chafes, and interface padding that have material defects, breakage, or unusual wear within the first six months from the date of purchase.

ROM Series Post-Op Braces & Shoulder Slings

These rehabilitative products are designed for use by one patient for a short duration not to exceed 90 days. Replacement will be provided for material defects, fabrication errors or unnatural wear under normal use for 90 days from the date the product is dispensed.

Sport Series & TS ROM (Hinged Soft Shell Braces)

Replacement of the product or compromised components will be provided for material defects, fabrication errors or unnatural wear to the hinges, straps or sleeve within the first six months for Sport Series and TSROM braces and within one year for SoftForce braces.

EZG8 & XLR8

Walking boots are designed for short-term use (no more than 60-90 days) by a single user. Any boot with a material defect or unnatural wear to the boot shell, uprights, foam bootie or straps under normal use and conditions will generally be replaced at no charge for 90 days from the date the product is dispensed.

(NOTE: Additional charges may apply if the customer requests modifications to the original structure, configuration or joints, or if the customer fails to initially provide a quality cast and/or accurate measurements).

Custom Fabrication Schedule

Prod Description	Days	Special Conditions
Air Townsend	3	
Air Townsend Specialty	5	special bars mounted externally, add 2 days (fab will communicate with CS)
Below Knee Orthosis	4	
Custom Elbow	4	
Custom Triggerlock	6	
Custom Trigger w/Lateral Ext	8	
EXO GUARD	3	
Full Shell KAFO	10	
Full Shell KAFO Stance Control	10	
Full Shell OA	3	
Full Shell OA Specialty	8	special bars mounted externally, add 2 days (fab will communicate with CS)
Polio	5	
Polio w Lateral Extension	8	

Prod Description	Days	Special Conditions
Premier OA	3	Custom Paint add 2 days,
Premier Reliever 1.0	3	Custom Paint add 2 days,
Premier	3	Custom Paint add 2 days,

Prod Description	Days	Special Conditions
AFO	5	Custom Paint add 2 days,
Hybrid KAFO	10	
KAFO	7	Custom Paint add 2 days,
KAFO Stance Control	7	Custom Paint add 2 days,
Premier Ankle	5	Custom Paint add 2 days,
Premier OA Specialty	5	Custom Paint add 2 days,
Premier OA w Lateral Ex	6	Custom Paint add 2 days,
Premier with Lateral Extension	6	Custom Paint add 2 days,
Premier Specialty	5	Custom Paint add 2 days,
Premier Polio	5	Custom Paint add 2 days,
Premier Polio w Lateral Extension	7	Custom Paint add 2 days,
Premier Triggerlock	5	Custom Paint add 2 days,
Premier Trigger w/Lateral Ext	7	Custom Paint add 2 days,

Prod Description	Days	Special Conditions
Custom SpryStep® Original	10	Extensive mods add 1 day
Custom SpryStep® Plus	10	Extensive mods add 1 day
Custom SpryStep® Flex	10	Extensive mods add 1 day
SpryStep® Vector	12	Extensive mods add 1 day
Dynamic KAFO	10	Extensive mods add 2 days

Any additional thermo plastic addition, i.e., clam shell, SMO, any pretibial/post-tibial shell, add one additional day





Returns, Exchanges & Credits

Any product being returned to Thuasne USA for possible credit must be submitted with a Product Return Form and RMA #. The RMA # and return form can be requested by calling 800.432.3466. The product and completed return form can be shipped at the customer's expense to: Thuasne USA, 4615 Shepard Street, Bakersfield, CA 93313, within 60 days from the date of purchase to be eligible for replacement or credit. After 60 days, the product is not eligible for credit.

Thuasne USA has no direct involvement in patient selection, brace fitting, insurance denials, patient education and/or patient compliance. Based on the circumstances for the return, Thuasne USA will determine if full or partial credit will be granted, and/or if a restocking fee will be charged.

Fair Business Practices

Customers are responsible for providing Thuasne USA with fair opportunity to resolve a problem by fixing, remaking or replacing a product. If Thuasne USA is not provided this opportunity, or if the product is being returned for reasons that Thuasne USA doesn't control, it is less likely Thuasne USA will issue a credit. Circumstances that reduce or eliminate eligibility for credit include but are not limited to: Patient refused brace or never returned to pick it up; insurance denial; patient moved; patient died; patient decided to use a different product; patient decided to use a different provider; patient was dissatisfied with the look of the brace; or obvious misuse of the product by the patient.

Formal Review Of Returned Product & Product Return Form

When a product is returned, it is inspected and the Product Return Form is reviewed. Thuasne USA reserves the right to issue full credit, no credit or charge a portion of the cost of fabricating and shipping a brace. Partial charges are generally based on a percentage of the original invoice.

Non-warranty returns will only be accepted on unopened products sealed in their original packaging within 60 days from date of purchase and may be subject to a 20% restocking fee.

1. Custom Brace Returns: Because custom braces have been made for an individual user, a returned custom brace has no resale value to Thuasne USA. As a result, credits are routinely only issued if the customer can demonstrate that Thuasne USA bears some or all responsibility for the return (i.e. a fabrication or processing error, missed deadline, poor fit, etc.).

2. Customized Brace Returns: Aluminum knee braces made from three measurements generally fall under the same return policies as custom braces. Because "customized" braces are made from different sized components and include custom adjustments, these braces cannot be routinely returned to inventory and therefore have no resale value to Thuasne USA. As a result, there is a \$75 fee to disassemble and discard components. Full credit may only be issued if the customer can demonstrate that Thuasne USA bears some or all of the responsibility for the return (i.e. a fabrication or processing error, missed deadline, poor fit, etc.).

3. Pre-Sized Product Returns: To be eligible for full credit, OTS knee braces must be returned in unused, pristine condition — unless the product return is due to a manufacturing or material defect. For an individual off-the-shelf product, there is routinely no restocking fee if the product can be returned to inventory and resold. Restocking fees apply if a customer is liquidating inventory and attempting to return multiple products at the same time. Restocking fees are routinely based on a percentage of the original purchase price of the product.

Resolution

1. Repair or Replacement: If a product fails to perform under normal use and conditions, Thuasne USA will repair or replace the brace according to our published warranties. Repair charges apply to products not covered under warranty or if the product is damaged by misuse or neglect.

2. Exchanges Of Pre-Sized Products: Thuasne USA may grant requests for standard size off-the-shelf product exchanges based on a customer's need to replace the brace in a different size or model. The customer is generally responsible for shipping charges, so long as the exchanged brace being returned has not been worn or damaged. Outdated models that cannot be resold are not eligible to be exchanged.

3. Credits: Thuasne USA does not issue refund checks to customers. Any approved credit is posted to the customer's account and can be applied to outstanding invoices or future purchases.



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