Introduction

Since 1919, Otto Bock HealthCare has been successfully developing and producing orthopedic technology.

Otto Bock is the world’s leading provider of innovative products for people with limited mobility.

Guided by our motto “Quality for Life,” over 3600 employees in 37 countries develop, produce and distribute a wide range of rehabilitation products.

Otto Bock, delivers a complete line of postoperative product therapies including Continuous Passive Motion (CPM), orthopedic bracing, cryotherapy, electric stimulation, compression therapy and more.

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Otto Bock has a passion for motion
With a nationwide network of certified specialists, you can depend on us for all of your specialty rehabilitation needs.

Otto Bock is the industry’s leading supplier of specialty rehabilitation products and services. We provide services nationwide, in the hospital and the patient’s home, through our direct network of sales associates and certified patient service representatives, to physicians, their more than 100,000 patients and the national payers that process these claims each year.

We’ll work with insurance companies to authorize treatment and submit claims. Otto Bock responds to your patient’s concerns and strives to enable the best benefits permitted within their plan.

In addition, Otto Bock works to ensure quality with accreditation through the Community Health Accreditation Program (CHAP), the nation’s foremost accreditation board for home-based and community-based health care.

Our passion for motion extends beyond CPM
As a single source supplier, we deliver a full range of upper and lower extremity CPM devices, a complete line of postoperative bracing, dynamic splints, soft goods, cold therapy devices, compression therapy systems and much more.

Through more than 150 locations throughout the United States, Otto Bock makes these nationally recognized brands available to physicians and their patients:

- Otto Bock
- Bellacure
- Breg
- DeRoyal
- DJ Orthopedics
- Game Ready
- And many more!

The Otto Bock total patient solution process—from verification

**Fulfilling physician protocols**

**Benefit verification and authorization**
Our ABC registered orthotic fitters fit the widest array of specialty rehabilitation products to patients for use directly in their homes. We are committed to providing your patient with the highest level of care on all the following therapies:

- Continuous Passive Motion
- A full line of Orthopedic bracing
- Hot and cold therapy devices
- Dynamic splinting and Static progressive splinting
- Electrotherapy
- Compression therapy
- Bone growth stimulation
- And more

In addition to delivery and set up, Patient Services Representatives (PSR) help reinforce compliance by carefully reviewing with patients their physician-prescribed protocols.

This personalized overview of the patient’s progress, the physician’s protocols and state-of-the-art equipment helps patients return to activities of daily living...faster!

Once the patient is recovered and the equipment is ready for pickup, Otto Bock coordinates the entire process to make this event as convenient as possible for the patient.

The process concludes with a patient satisfaction questionnaire that tells us how well we performed. With a 98% satisfaction rating, Otto Bock continues to deliver the market-leading level of patient service that makes us unique in the industry.

Patients, physicians and case managers agree—no one delivers CPM, bracing and cold therapy better than Otto Bock.
About CPM
– Clinical Information –

What is CPM
Continuous Passive Motion (CPM) is a postoperative therapeutic modality that passively—without patient effort—moves a joint through a prescribed range of motion (ROM) for an extended period of time. There are CPM devices for the hand, wrist, forearm, elbow, shoulder, jaw, great toe, ankle, hip and knee.

CPM is best applied immediately postoperatively and continued, uninterrupted, for up to 6 weeks, or as prescribed by the physician.

Why Prescribe CPM
Applied postoperatively, CPM
- Helps prevent joint stiffness and increases joint ROM.
- Prevents the formation of motion-limiting adhesions.
- Promotes healing of joint surfaces and soft tissue.
- Reduces edema and pain, resulting in improved compliance with physical therapy and exercise.

These physiologic benefits result in a faster recovery and return to function, as well as lower overall rehabilitation costs.

Orthopedic surgeons commonly prescribe CPM following total knee replacement, ligament reconstruction, tendon repair, joint manipulation under anesthesia, arthroscopic debridement of adhesions, stabilized intra-articular fractures, meniscal repair, and articular cartilage regeneration techniques.

There are a broad range of studies and physician experiences that support the clinical case for Continuous Passive Motion as a leading modality in orthopedic rehabilitation. Here are a few...

Tendon Repair
CPM achieved superior results compared to intermittent motion.¹

Fractures
CPM facilitates the early return of PROM and remodeled fractured joint surfaces in stable, internally fixed MP and PIP fractures and in severely comminuted fractures that were not amenable to ORIF.²

Capsulotomy
The immediate use of CPM in conjunction with hand therapy is superior to hand therapy alone.³

Intra-Articular Elbow Fractures
“The essential feature of postoperative management was early functional treatment by CPM.”⁴

TKA
Home CPM is an adequate rehabilitation alternative to home P.T. with lower cost and no difference in results.⁵

ACL Reconstruction
Maintenance of PROM through CPM is important in reducing the formation of ROM limiting adhesions and joint stiffness.⁶

Chondral Microfracture
CPM resulted in improved gross healing of the microfractured lesions.⁷

High Tibial Osteotomy
CPM following tibial wedge osteotomy prevents adverse effects of joint immobilization on articular cartilage and facilitates healing of the osteotomy.⁸

# About CPM Rehabilitation by Joint Procedure

<table>
<thead>
<tr>
<th>Surgery Type</th>
<th>Length of CPM Use*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lower Extremity</strong></td>
<td></td>
</tr>
<tr>
<td>Joint Replacement</td>
<td></td>
</tr>
<tr>
<td>Total Knee</td>
<td>21 days</td>
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<tr>
<td>Unicompartmental</td>
<td>21 days</td>
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<tr>
<td>UniSpacer</td>
<td>21 days</td>
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<tr>
<td>Manipulation Under Anesthesia (MUA)</td>
<td>14 days</td>
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<tr>
<td><strong>Arthroscopy Knee Group</strong></td>
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<tr>
<td>Anterior Cruciate Ligament Repair</td>
<td>14 days</td>
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<tr>
<td>Articular Cartilage Repair (ACRs)</td>
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</tr>
<tr>
<td>Microfracture</td>
<td>8 weeks</td>
</tr>
<tr>
<td>Chondral Plugs</td>
<td>6 weeks</td>
</tr>
<tr>
<td>Osteoarticular Transfer System (OATS)</td>
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<tr>
<td>Carticel® Implant</td>
<td>8 weeks</td>
</tr>
<tr>
<td>Menisectomy</td>
<td>14 days</td>
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<tr>
<td>Meniscal Repair</td>
<td>3-4 weeks</td>
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<tr>
<td><strong>Joint Replacement</strong></td>
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<tr>
<td>Total Ankle (TAA)</td>
<td>21 days</td>
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<tr>
<td>Open Reduction / Internal Fixation (ORIF)</td>
<td>4-6 weeks</td>
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<tr>
<td>Post-immobilization (casting)</td>
<td>21 days</td>
</tr>
<tr>
<td>Bunionectomy</td>
<td>21 days</td>
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<tr>
<td><strong>Upper Extremity</strong></td>
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<tr>
<td>Arthroscopy Shoulder Group</td>
<td>30-60 days</td>
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<td>Rotator Cuff Repair (RCR)</td>
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<td>Subacromial Decompression (SAD)</td>
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<td>Distal Clavicle Excision (DCE)</td>
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<tr>
<td>Bankhead / SLAP Lesion Repair</td>
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<tr>
<td>Thermal Assisted Capsular Shift (TACS)</td>
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<tr>
<td><strong>Joint Replacement</strong></td>
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<tr>
<td>Total Shoulder (TSA)</td>
<td>30 days</td>
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<tr>
<td>Total Elbow (TEA)</td>
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<tr>
<td>Radial Head Replacement</td>
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<tr>
<td>Manipulation Under Anesthesia (MUA)</td>
<td>14 days</td>
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<tr>
<td><strong>Open Reduction / Internal Fixation (ORIF)</strong></td>
<td>4-6 weeks</td>
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<tr>
<td>Post-immobilization (casting)</td>
<td>21 days</td>
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<tr>
<td>Carpal Tunnel</td>
<td>21 days</td>
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<tr>
<td>Tenolysis</td>
<td>30 days</td>
</tr>
<tr>
<td>Capsulotomy</td>
<td>30 days</td>
</tr>
</tbody>
</table>

*Based on published physician protocols and clinical studies.

**Contraindications:** CPM should not be used if any of the following are present:
- Untreated or uncontrolled infection
- Hemorrhage
- Acute inflammatory arthrosis
- Known or suspected DVT
- Spastic paralysis
- (Deep Vein Thrombosis)
- Unstable fractures

**Note:** Upon using the device, if signs of infection such as hyperthermia, fever, redness, irritation, warmth, swelling, bleeding, and/or increased persistent pain are present, discontinue operation of the device and contact the patient’s physician. Do not proceed with treatment until the physician has approved continued use of the device.
Continuous Passive Motion device available for the toe

- Easy to set up and operate
- Lightweight and comfortable
- Battery operated for complete portability
- Metatarsal head isolation to prevent collateral motion
- Variable range of motion

The T1 Toe CPM offers patients the proven benefits of CPM to the metatarsal head of the toe. Easy to use, the T1 combines lightweight, compact design with maximum joint mobility. Range of motion is easily adjusted from 0° – 60° of dorsiflexion and 0° – 45° of plantar flexion.

An orthopedic shoe and padded toe splint ensure patient comfort while helping to regain full range of motion in the joints.
Indications

- Arthroplasties
- Bunionectomies
- Tendon repair and reconstruction
- Osteotomies
- Joint replacements
- Neuroma excisions

Ordering Information

T1-100  
CPM Device  Drive and mounting frame, orthopedic disposable shoes (large and small), metatarsal head isolator (large and small), batteries, instruction sheet and carrying case

T1-101A  Orthopedic shoe (single patient use) (small)

T1-101C  Orthopedic shoe (single patient use) (large)

T1-102A  Metatarsal head isolator (small)

T1-102C  Metatarsal head isolator (large)

Specifications

Range of Motion

- Dorsiflexion  0° – 60°
- Plantar Flexion  0° – 45°

Rate of Motion  1.5 minutes for a complete cycle of motion

Dimensions of Device  38 cm x 20 cm x 17 cm (15 in x 8 in x 7 in)

Weight of Device  1.4 kg (3 lbs)

Power Requirement  2 AA (Alkaline) batteries, 3 volts

Battery Life  Up to 4 days for alkaline batteries

Certification  CSA, NRTL/C, 6100
Ankle CPM with all the planes of motion in one device

- Anatomically correct motion
- Lightweight and compact design accommodates bed or chair use
- Fully adjustable range of motion through inversion/eversion and plantar flexion/dorsiflexion motions
- Orthopedic shoe for comfort & stability
- Rechargeable battery operation
- Reverse-on-load patient safety feature and hand-operated patient on/off safety switch

The A3 Ankle CPM is the latest device to provide anatomically correct motion to both the ankle and subtalar joints. Fully adjustable range of motion facilitates inversion/eversion, plantar flexion/dorsiflexion, or a combination of both.

Advanced, compact design makes the A3 ideal for both home and hospital settings. Adjustable softgoods, including an orthopedic shoe, enables patients to customize the fit to ensure both optimum treatment results and superior comfort.

Ease of operation is facilitated by a programmable motion controller and a hand-held patient on/off safety switch.

A reverse-on-load safety feature ensures the A3 will reverse the direction of motion should the patient resist motion, or if motion is obstructed.
Indications
The immediate postoperative management of joints after the following types of surgical procedures:

• Arthrotomy
• Stable fractures
• Synovectomy
• Arthroplasty
• Reconstructive surgery of bone, cartilage, tendons and ligaments
• Prolonged joint immobilization
• Surgical lengthening of the achilles tendon due to post-trauma stiffness

Ordering Information
A3-100U A3 Ankle CPM device patient kit, rechargeable programmable motion controller, power supply and instruction manual.
A3-101 A3 Ankle disposable softgoods
A3-103W Disposable Shoe Kit, women’s medium
A3-103M Disposable Shoe Kit, men’s medium

Specifications
Range of Motion:
Plantar Flexion 0° – 60°
Dorsiflexion 0° – 60°
Inversion 0° – 60°
Eversion 0° – 60°
Rate of Motion 80° per minute (approximately)

Dimensions of Device
42.3 cm x 48.3 cm x 33 cm
(17 in x 19 in x 13 in)

Weight of Device 4.5 kg (approx. 10 lbs.)
Battery Life 10-12 hours
Certification CSA, NRTL/C, 6120
480E
– Knee CPM –

Our most popular, easiest to use, hospital-to-home unit!

• Lightweight and durable
• Range of motion from -5° – 120°
• Warm-up feature
• Pause feature for enhanced treatment results
• Easy to use digital motion controller
• Patient compliance meter
• Convenient carrying handle
• Pediatric accessory available

The 480E Lower Limb CPM Device combines lightweight and durable construction with ease of operation.

Weighing only 11 kg (24 lbs.), and equipped with a convenient carrying handle, the 480E is suitable for both hospital and home use.

Range of motion is adjustable from -5° extension to 120° flexion. An optional pediatric accessory makes the device suitable for children.

A convenient and easy to use motion controller contains several advanced treatment features, including a warm-up feature which, when selected, starts the patient at a reduced range of motion and gradually increases the range until the programmed setting is reached. A pause feature enhances treatment, especially in preventing the formation of contractures and intra-articular adhesions, by holding the limb in sustained flexion or extension for up to 30 seconds.

For safety, the 480E is equipped with a reverse-on-load feature to reverse the direction of travel should the patient resist motion, or if motion is obstructed.
Indications
Immediate postoperative management after the following, where indicated:
- ACL reconstruction
- Open reduction and rigid internal fixation of intra-articular, diaphyseal and metaphyseal fractures
- Capsulotomy and arthrolysis for post-traumatic arthritis with restriction of motion
- Synovectomy for rheumatoid arthritis and hemophilic arthropathy
- Arthrotomy and drainage of acute septic arthritis
- Surgical release of extra-articular contractures or adhesions (quadricepsplasty)
- Metaphyseal osteotomy with rigid internal fixation of tibia and femur
- Prosthetic replacement (arthroplasty)
- Reconstruction of medial collateral ligament tears of the knee using a semitendinosus tenodesis
- Reconstructive surgery of bone, cartilage, tendons and ligaments
- Prolonged joint immobilization

Ordering information
00480E (110V) or IEC480 (220V) CPM motion controller complete with patient kit, hand-held pendant and instruction manual
400PK Disposable softgoods kit
12601 Pediatric modular kit
12603 Pediatric thigh assembly
12604 Pediatric foot assembly

Specifications
Range of Motion
-5° extension to 120° flexion
Pause 0 – 30 seconds at the end of flexion and/or extension
Standard Limb Length 73 – 104 cm (28.5 – 41 in)
Pediatric Limb Length 53 – 90 cm (21.5 – 35.5 in)
Standard Calf Length 43 – 61 cm (16.5 – 24 in)
Pediatric Calf Length 24 – 47 cm (9.5 – 18.5 in)
Standard Thigh Length 30 – 43 cm (12 – 17 in)
Weight of Device approx 11 kg (24 lbs)
Power Requirements Input 120 VAC 0.12A 60 Hz or 230 VAC 0.06A 50 Hz
Output 15 VDC 730 mA
Certification CSA, C/US, CE

Designed for quiet durability, the 480E can easily be adjusted for a wide range of patient sizes.
480E PRO
– Knee CPM –

Introducing the first in a new line of fully programmable CPM devices from Otto Bock HealthCare

- Fully programmable controller with memory card to capture individual treatment plans
- New full size LCD set-up screen and navigation key pad for easy programming
- On-screen patient progress monitor to track results
- Patient lock-out feature to ensure protocol compliance
- Lightweight (24 lbs /11 kg) with carrying handle for portability
- Range of motion from -5 to 120 degrees
- Adjustable force, pause and speed settings
- Warm-up mode
- Optional accessory allows pediatric use

The Otto Bock 480E PRO Knee CPM device weighs just 24 lbs (11 kg), and combines durable portability with the latest in digital technology—making it easier than ever to program and manage individual treatment plans.

By combining an easy-to-use keypad and removable memory card in our innovative pendant controller, transferring recorded patient information from one device to another—and maintaining individualized patient protocols—is a snap. This flexibility saves time and ensures that the patient is receiving the right therapy, right when they need it.
The 480E PRO CPM weighs just 24 lb. (11 kg.), and combines portability with the latest in digital technology.

**Indications**
- ACL reconstruction
- Open reduction and rigid internal fixation of intra-articular, diaphyseal and metaphyseal fractures
- Capsulotomy and arthrolgy for post traumatic arthritis with restriction of motion
- Synovectomy for rheumatoid arthritis and hemophilic arthropathy
- Arthroscopy and drainage of acute septic arthritis
- Surgical release of extra-articular contractures or adhesions (quadricepsplasty)
- Metaphyseal osteotomy with rigid internal fixation of tibia and femur; prosthetic replacement (arthroplasty)
- Reconstruction of medial collateral ligament tears of the knee using a semitendinosus tenodesis
- Reconstructive surgery on bone, cartilage, tendons and ligaments
- Prolonged joint immobilization

**Ordering information**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>00480EPPro</td>
<td>CPM device complete with patient kit, handheld pendant controller, and instruction manual</td>
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<tr>
<td>480EPK</td>
<td>Disposable softgoods kit</td>
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<tr>
<td>12604</td>
<td>Pediatric foot assembly</td>
</tr>
<tr>
<td>L480SA016</td>
<td>Standard foot assembly</td>
</tr>
</tbody>
</table>

**Specifications**

- **Standard Limb Length:** 73-104 cm (28.5-41 in.)
- **Pediatric Limb Length:** 53-90 cm (21.5-35.5 in.)
- **Standard Calf Length:** 43-61 cm (16.5-24 in.)
- **Pediatric Calf Length:** 24-47 cm (9.5-18.5 in.)
- **Thigh Length:** 30-43 cm (12-17 in.)
- **Speed:** 16 to 160° per minute
- **Weight:** Approx. 11 kg (24 lbs.)
- **Range of Motion:** -5° extension to 120° flexion
- **Pause:** 0-30 seconds at end of flexion and/or extension
- **Power Supply:** Class II
  - Input 100 - 240 VAC 1.6A
  - Output 15 VDC 2.0A

**Certification**

1.800.RENT.CPM
The leading bilateral capacity CPM available allowing synchronized devices

- Warm-up feature
- Bilateral capacity
- Compliance monitor
- True anatomic alignment
- Carrying handle
- Parameter lock option
- Digital motion controller
- Automatic reverse-on-load

**Warm-Up Feature**
Automatically and gradually re-establishes previous session range of motion (ROM) limits in comfortable increments.

**Bilateral Capability**
A simple connector cable produces consistent, cyclic motion between two 520 devices.

**Compliance Monitor**
Verifies patient usage.

**NMES Compatibility**
Patient can re-educate and strengthen muscles during CPM sessions.

**True Anatomic Alignment**
Axis of motion at both the knee and hip reproduce biomechanically correct motion.

**Carrying Handle**
For easy device transportation.

**Parameter Lock Option**
Allows the physician or therapist to lock in the programmed parameters.

**Digital Motion Controller**
Programs ROM, speed, pause, compliance monitor and force.

**Automatic Reverse-on-Load**
Direction of motion reverses if excessive resistance is encountered.
Indications

- Total knee replacement
- Ligament reconstruction
- Manipulation under anesthesia
- Meniscal repair
- Articular cartilage regeneration techniques
- Stabilized intra- or extra-articular fractures of the femur and tibia

Ordering Information

500PK  Disposable softgoods
11261  Cradle knob kit
13398-10  Bilateral cable, pack of 10

Specifications

Range of Motion
-10° knee extension to 125° flexion
Pause  0 – 30 seconds at end-range flexion and/or extension

Total Limb Length
67 – 107 cm (26.5 – 42 in)

Lower Limb Length
28 – 47 cm (11 – 18.5 in)

Femoral Length:
29 – 50 cm (11.5 – 19.5 in)

Hip Length  8 cm, 9.5 cm, 11 cm (3.25 in, 3.75 in, 4.25 in)

Max. Patient Wt.
158.8 kg (350 lbs)

Max. Patient Ht.
198 cm (6’ 6 in)

Weight of Device
14.1 kg (31 lbs)

Certification  CSA, C/US, 4825,852

The 520 is designed for hospital-to-home use to help ensure patient comfort and compliance.
The most comfortable, most effective knee CPM available

- Reduced anterior tibial translation
- Anterior plate enables full knee flexion
- 0° to a full 125° range of motion at the knee
- Pause feature for enhanced treatment
- Easy to operate digital hand-held motion controller

The Legasus Anatomic Lower Limb CPM combines patient comfort with advanced treatment features.

Legasus achieves 0° to 125° of anatomically correct motion. Anterior tibial translation is effectively reduced during extension through a sophisticated linkage system, which helps to maintain correct leg positioning and enhanced patient comfort.

A patented anterior plate system cradles and holds the thigh to achieve full extension, similar to the manual techniques employed by therapists.

Patient treatment is further enhanced by the programmable pause feature located on the base of the device. Pause is especially beneficial in preventing the formation of contractures and intra-articular adhesions.

Operation and patient set up is simplified with the easy-to-use hand-held digital motion controller that controls speed, range of motion, and start/stop.

The reverse-on-load safety feature reverses the direction of travel should the patient resist motion, or if motion is obstructed.
Indications
Immediate postoperative management after the following, where indicated:

- ACL reconstruction; open reduction and rigid internal fixation of intra-articular, diaphyseal and metaphyseal fractures
- Capsulotomy and arthrolysis for post-traumatic arthritis with restriction of motion; dynovectomy for rheumatoid arthritis and hemophilic arthropathy; arthrootomy and drainage of acute septic arthritis
- Surgical release of extra-articular contractures or adhesions (quadricepsplasty)
- Metaphyseal osteotomy with rigid internal fixation of tibia and femur; prosthetic replacement (arthroplasty)
- Reconstruction of medial collateral ligament tears of the knee using a semitendinosus tenodesis
- Reconstructive surgery of bone, cartilage, tendons and ligaments
- Prolonged joint immobilization

Ordering Information
10000X CPM device complete with patient kit, hand controller, power cord and manual
10200 Disposable patient kit
10002 Motion controller
6640026 Power cord

Specifications
Range of Motion 0° extension to 125° flexion
Rate of Motion 1.5° – 4° per second
Length 89 – 112 cm (35 – 44 in)
Width 37 cm (14.5 in)
Weight of Device 14.5 kg (32 lbs)
Thigh Length 33 – 54 cm (13 – 21.3 in)
Calf Length 38 – 58 cm (15 – 22.8 in)
Certification CSA, UL

1.800.RENT.CPM
Uniquely designed for the hospital—reduces lifting and transport burden

- Patented lifting mechanism
- Exclusive sling suspension system
- Biomechanical design
- True anatomic alignment
- Pause feature
- Automatic reverse-on-load

**Patented Anterior Plate System**
The anterior plates enable the knee to achieve true full knee extension, thereby preventing the development of flexion contractures.

**Patented Lifting Mechanism**
The patented design makes it very easy to bring the LiteLift off the bed, simplifying patient transfers and preventing lifting injuries. The device can be stored in a vertical position when not in use.

**Exclusive Sling Suspension System**
The LiteLift is positioned laterally relative to the treatment leg and uses a sling suspension system rather than a base cradle to support the leg. This enhances patient comfort by eliminating impingement between the legs and rotation of the leg in the device.

**Biomechanical Design**
Anatomically designed with dual axes of motion at the knee and hip joints, the LiteLift closely tracks the leg's natural range of motion. By reproducing biomechanically-correct knee and hip motion, anterior translation of the tibia on the femur is prevented during extension, and leg alignment is maintained during flexion.

**Pause**
Programmable from 1-40 seconds at the end-range of extension, the pause feature prevents the formation of contractures and adhesions and maintains ROM gains.

**Automatic Reverse-on-Load**
The direction of motion reverses if excessive resistance is encountered.
Indications

• Total knee replacement
• Ligament reconstruction
• Manipulation under anesthesia
• Meniscal repair
• Articular cartilage regeneration techniques
• Stabilized intra- or extra-articular fractures of the femur and tibia

Ordering Information

7100 Patient kit
221476-1 Long foot bar
221476-2 Short foot bar
221970 White foam pads
222840 Power supply
6640033 Power supply power cord

Specifications

<table>
<thead>
<tr>
<th></th>
<th>7000</th>
<th>7000X</th>
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<tbody>
<tr>
<td>Range of Motion</td>
<td>0° – 110°</td>
<td>0° – 110°</td>
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<tr>
<td>Pause</td>
<td>0 – 40 sec.</td>
<td>0 – 40 sec.</td>
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<tr>
<td>Weight</td>
<td>12 kg (26 lbs)</td>
<td>11 kg (24 lbs)</td>
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<tr>
<td>Length</td>
<td>122 cm (48 in)</td>
<td>114 cm (45 in)</td>
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<tr>
<td>Thigh Adjustment</td>
<td>30.5 – 51 cm (12 – 20 in)</td>
<td>28 – 46 cm (11 – 18 in)</td>
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<tr>
<td>Calf Length (knee axis to base of foot)</td>
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<tr>
<td>Long Foot Bar</td>
<td>36 – 56 cm (14 – 22 in)</td>
<td>36 – 56 cm (14 – 22 in)</td>
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<tr>
<td>Short Foot Bar</td>
<td>28 – 51 cm (11 – 20 in)</td>
<td>28 – 48 cm (11 – 19 in)</td>
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<td>Leg Length</td>
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<tr>
<td>Long Foot Bar</td>
<td>66 – 109 cm (26 – 43 in)</td>
<td>63.5 – 102 cm (25 – 40 in)</td>
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<tr>
<td>Short Foot Bar</td>
<td>58 – 102 cm (23 – 40 in)</td>
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LiteLift PRO
- Knee CPM -

The latest in a new line of fully programmable CPM devices designed specifically for the hospital

- Fully programmable controller with memory card to capture individual treatment plans
- New full size LCD set-up screen and navigation key pad for easy programming
- On-screen patient progress monitor to track results
- Self-storing to reduce the risk of contamination
- Range of Motion from 0 to 110 degrees

The Otto Bock LiteLift PRO CPM device, with its patented lifting mechanism and lightweight design, provides a safe and simple way for hospital staff to apply the device to the patient. Plus, its progressive digital technology makes managing patient treatment plans easier than ever. By combining an easy-to-use keypad and removable memory card in our innovative pendant controller, transferring recorded patient information from one device to another—and maintaining individualized patient protocols—is a snap. This flexibility saves time and ensures that the patient is receiving the right therapy, right when they need it.
Indications
Immediate post-operative management after the following where indicated:
- ACL reconstruction
- Total Knee Replacement
- Ligament reconstruction
- Manipulation under anesthesia
- Meniscal repair
- Stabilized intra- or extra-articular fractures of the femur and tibia

Ordering Information
Ordering information
- 7000P LiteLift Pro Knee CPM Device, complete with patient kit, handheld pendant controller, and instruction manual
- 7100 Disposable Patient Kit
- DL009 Post Tube Extension
- DL011 Post Tube Extension Joint (required with Post Tube Extension)

Specifications

<table>
<thead>
<tr>
<th></th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range Of Motion (ROM)</td>
<td>0°</td>
<td>110°</td>
</tr>
<tr>
<td>Speed</td>
<td>30°/minute</td>
<td>80°/minute</td>
</tr>
<tr>
<td>Pause</td>
<td>0 seconds</td>
<td>30 seconds</td>
</tr>
<tr>
<td>Timer</td>
<td>0 minutes</td>
<td>24 hours</td>
</tr>
<tr>
<td>Weight of Device</td>
<td>26 lbs. (12 kg)</td>
<td></td>
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<tr>
<td>Thigh Adjustment</td>
<td>12 in. (30 cm) to 20 in. (51 cm)</td>
<td></td>
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<tr>
<td>Calf Adjustment</td>
<td>Short Foot Bar 11 in (28 cm) to 20 in (51 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long Foot Bar 14 in (36 cm) to 23 in (58 cm)</td>
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</tr>
<tr>
<td>Leg Length</td>
<td>Short Foot Bar 23 in (58 cm) to 40 in (102 cm)</td>
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<tr>
<td></td>
<td>Long Foot Bar 26 in (66 cm) to 43 in (109 cm)</td>
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<tr>
<td>Mode of Operation</td>
<td>Continuous</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>Input 100-240 VAC 1.6A 50-60Hz</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Output 15 VDC 2.0A</td>
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</tr>
<tr>
<td>Medical Device</td>
<td>Class I (USA)</td>
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<tr>
<td>Classification</td>
<td>Class IIa (93/42/EEC)</td>
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<tr>
<td>Patent Number</td>
<td>4,974,830</td>
<td></td>
</tr>
</tbody>
</table>

Unique wrap-spring clutch makes it easy to lift the LiteLift and safely locks it at any height.

1.800.RENT.CPM
The most advanced shoulder rehab device available

- Synchronous, sequential, or isolated motion
- Contoured, ergonomically-designed chair
- Warm-up mode and pause options
- Unique compliance monitor
- Reverse-on-load safety

The 600 Shoulder CPM is the most advanced shoulder rehabilitation device available. Thoughtfully designed, the 600 provides precise, controlled range of motion with maximum patient comfort.

Multi-Planar Motion
The 600 allows for synchronous, sequential, or isolated motion options through a full ROM. The therapy can be customized to fit the patient’s needs.

Contoured, Portable Chair
The 600’s ergonomically-designed chair provides optimal patient comfort for prolonged use and increases patient compliance.

Exclusive Warm-up Mode
Allows patients to automatically and gradually re-establish previous session ROM limits in comfortable increments.

Compliance Monitor
Allows physicians and therapists to verify and track patient usage.

Exclusive Pause Option
The 600 provides a 1-99 second programmable hold at end ranges of motion in order to maintain range of motion gains and prevent the formation of contractures and adhesions.

Safety Features
These include patient on/off switch on the control pendant and a reverse-on-load safety feature if excessive resistance is encountered.
Indications

- Rotator cuff repair
- Subacromial decompression
- Manipulation under anesthesia
- Reconstructive surgery of bone, cartilage, tendons and ligaments
- Arthroscopic debridement of adhesions
- Shoulder arthroplasty
- Stableized intra- and extra-articular fractures
- Prolonged joint immobilization

Ordering Information

00600  600 Shoulder CPM
600PK  Softgoods kit

Specifications

Range of Motion

| Elevation   | 20° – 180°     |
| Rotation    | 90° arc when programmed synchronously, 110° arc when programmed sequentially |
| Rate of Motion | High 2° per second  |
|             | Low 1° per second |
| Pause       | 1 – 99 seconds  |
| Limb Length (overall) | 52 – 83 cm (16.5 – 32.5 in) |
| Humeral Length | 24 – 42 cm (9.5 – 16.5 in) |
| Forearm Length  | 18 – 41 cm (7 – 16 in) |
| Certification  | UL             |
| Patent Number  | 5,417,634      |

The 600 Shoulder CPM allows you to customize your patient’s therapy with synchronous, sequential or isolated motion through a full range-of-motion arc.
**S3**

– Shoulder CPM –

Versatile configurations give shoulder patients the safe, specific movement they need

- Free linkage anatomic design
- Abduction/adduction, rotation
- Flexion/extension range of motion
- Dual sequential drives, or single drive
- In-chair, bed, or portable setup options
- Rechargeable battery operation
- Reverse-on-load safety feature
- Sturdy construction

The S3 is designed to meet the complex demands of shoulder CPM by providing several treatment options. Patient safety is the primary consideration of the design.

The S3-D features dual-drives synchronized to achieve sequential motion in internal/external rotation and flexion/extension or abduction/adduction.

The S3-S is a single-drive configuration and provides motion in flexion and extension or abduction and adduction only.

Both the S3-D and S3-S models can mount to the portable CPM chair for greater patient comfort and adjustment capabilities.

The single-drive, S3-H model is specifically available for attachment to a hospital bed.

A rechargeable motion controller with programmable memory allows for easy programming of range of motion. And for safety, there is a patient on/off thumb switch, and a reverse-on-load if motion is obstructed or resisted.
Indications
Immediate postoperative management after the following, where indicated:
  • Rotator cuff repair
  • Acromioplasty, particularly if operation has been repeated and when early physiotherapy cannot be assured
  • Capsulotomy and arthrolysis for post-traumatic arthritis with restriction of motion
  • Total shoulder replacement
  • Synovectomy for rheumatoid arthritic and hemophilic arthropathy in the absence of acute inflammation, pain or bleeding
  • Arthrotomy and drainage for acute septic arthritis
  • In-joint contracture after manipulation

Ordering information
S3-D Dual drive
S3-S Single drive
S3-H Bed mount

S3 complete with chair and mounting accessories
  S3D-200U, S3S-200U
S3 actuator only with patient kit, motion controller & charger
  S3D-100U, S3S-100U, S3H-100U
Replacement patient kit
  S3-101DS, S3-101H
Portable tripod
  S3-105
Adaptor Kit for CPM chair
  S3-106
Portable CPM chair
  GE-103

Specifications
Range of Motion
  External Rotation
    S3-D & S3-H, 0° – 85°
  Internal Rotation
    S3-D & S3-H, 0° – 85°
  Forward Flexion
    S3-D & S3-S, 0° – 135°
  Extension
    S3-D & S3-S, 0° – 135°
  Abduction/Adduction
    S3-D & S3-S, 0° – 135°
Rate of Motion
  110° per minute
Maximum Capacity
  147 kg (325 lbs)
Folded Size
  89 cm x 48 cm x 46 cm
  (35 in x 19 in x 18 in)
Weight of Device
  S3-D, 6.4 kg (14 lbs)
  S3-S, 5 kg (11 lbs)
  S3-H, 4.2 kg (9 lbs)
Battery Life
  8-10 hours
Latex Content
  Contains no latex
Certification
  CSA, NRTL/C
Portable CPM Chair
  GE-103
Weight
  20 kg (44 lbs)
More comfort, better alignment

The E3 Elbow is designed to offer the maximum in patient comfort and superior alignment accuracy.

The E3 device operates at a specified speed between the programmed range of motion extremes and is ideal for immediate postoperative use.

Programmable ROM covers 145° – 5° for flexion and extension and 80° – 80° in pronation/supination.

Lock-Out Feature allows the device to be programmed and locked, preventing patient tampering.

Compliance Monitor allows the physician or therapist to monitor patient compliance.

Reverse-On-Load Feature causes the device to reverse directions when it senses 100% of the programmed force has been reached.

Warm-Up Feature in CPM mode. When selected during setup, warm-up increases the ROM settings from 50% of the programmed settings to the full setting over 10 cycles.

Pause Feature can be programmed for pause at the end of ROM in CPM mode or at intervals in PSR mode. The pause duration can be up to 61 minutes.

Variable Settings for both speed and force.

Rechargeable Battery pack allows the device to be used away from electrical outlets, permitting limited ambulatory use in addition to use in a bed or chair.

Synchronized Motion mode, in CPM operating mode, can be selected during setup to sync the programmed ROM between elbow and forearm. This allows maximum programmed flexion to be synchronized with maximum supination.
Indications
Immediate postoperative management after the following, where indicated:

- Arthrotyom and drainage of acute septic arthritis, providing infection is controlled
- Crushed hand injuries without fractures or dislocations
- Burn injuries
- Stable fractures
- Flexor and extensor tendon tenolysis
- Reconstructive surgery of bone, cartilage, tendons and ligaments
- Prolonged joint immobilization

Specifications

Range of Motion
-5° extension to
145° flexion
80° pronation/supination

Rate of Motion
90° – 270° per minute

Pause
0° – 60° minutes

Controller Module Dimensions
14 cm x 9 cm x 4 cm
(5.5 in x 3.5 in x 1.5 in)

Controller Module Weight
0.6 kg (1.4 lbs)

Dimensions of Device
25 cm x 43 cm x 53 cm
(10 in x 17 in x 21 in)

Weight of Device
12.3 kg (27 lbs)

Power Requirements
Double insulated,
input supply voltage 100 to 240 VAC, 50/60 Hz,
output 12VDC, 1.25A

Battery Capacity
2 hours fully charged at
Force 3, Speed 3
(rechargeable)

Certification
\(\varepsilon\), UL, C/US

Serial or synchronous pronation and supination of the forearm can be programmed to fit the patient's needs.

Easily control speed, range of motion, pause, warm-up feature and more with the convenient hand-held motion controller.
**E2 – Elbow CPM –**

A portable elbow CPM unit that goes where your patients go

- Free linkage design for patient comfort
- Simultaneous pronation/supination during flexion/extension
- Lightweight and fully portable
- Rechargeable, long-lasting battery pack
- Adjustable reverse-on-load
- For ambulatory use or easily adapted for use in bed or chair

The E2 Elbow CPM is a portable device (weighing only 2.5 kg or 5 lbs.), designed to provide an adjustable range of motion to the elbow and forearm.

Powered by rechargeable batteries, the E2 will operate up to 10 hours on a single charge, allowing patients to be fully ambulatory. Batteries can be recharged overnight without interruption of the treatment cycle.

Range of motion settings include simultaneous pronation and supination of the forearm while flexing and extending the elbow.

For safety, an adjustable reverse-on-load feature changes the direction of travel should the patient resist motion, or if motion is obstructed.

The E2 Elbow CPM is designed with ease of operation in mind. Adjustable reverse-on-load, on/off, and battery indicators are housed on the actuator itself.

Elbow CPM is enhanced by simultaneous pronation and supination of the forearm.

The E2 device can be easily adapted to various treatment situations, including hospital bed mounting and in-chair use.
Indications
Immediate postoperative management after the following, where indicated:

- Arthroscopy
- Stable fractures
- Synovectomy
- Reconstructive surgery on bone, cartilage, tendons and ligaments
- Prolonged joint immobilization
- Manipulation
- Joint replacement

Ordering information

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2E-100U</td>
<td>E2 Elbow CPM device includes CPM device, patient kit, batteries, battery pack and battery charger</td>
</tr>
<tr>
<td>A2E-101SY</td>
<td>Patient kit replacement pads (single patient use only)</td>
</tr>
<tr>
<td>EABBB</td>
<td>Nickel cadmium rechargeable battery pack</td>
</tr>
<tr>
<td>GE-102/3</td>
<td>Power supply/battery charger input 100/240V 50/60 Hz output 12V DC</td>
</tr>
</tbody>
</table>

Specifications

Rate of Motion

3 minutes per full cycle

Dimensions of Device

91.4 cm x 3.8 cm
(36 in x 1.5 in)

Weight

2.5 kg (5 lbs)

Reversing Force

Low – 5 kg (11 lbs)
High – 8 kg (18 lbs)

Power Requirements

External power supply
Input 100 – 240 VAC 50 – 60Hz
Output 12V 1.25 A, grounded 5 x 1.2V ni-cad battery pack

Certification

CSA, NRTL/C, cC
The leading portable forearm device with a torque isolating feature

- Full range of motion (0° – 90° pronation and supination)
- Unique anatomically correct motion for patient safety
- Two force settings for customized treatment
- Easy to operate
- Fully portable, battery operated
- Durable, lightweight design
- Reverse-on-load patient safety feature

The PS1 Forearm Pronation/Supination CPM is a portable device for delivering the proven benefits of CPM treatment to the forearm. CPM has demonstrated over the years its ability to help patients regain postoperative range of motion and avoid the negative effects of immobilization. By gently moving the forearm through a controlled pronation/supination range of motion, the PS1 can effectively help prevent postoperative stiffness of the distal and proximal radial-ulnar joints, and the soft tissue connecting the radius and ulna.

Range of motion is adjustable from 0 to 90 degrees of pronation/supination. And a torque isolating feature ensures anatomically correct motion over the entire range to reduce loading or stressing of joints and to increase patient comfort. Also, two reverse-on-load force setting options allow the force of motion to be customized for optimum treatment results.

Durable, lightweight construction and ease of use makes the PS1 ideal for both hospital and in-home environments. The unit is easily attached to the patient, and can be worn comfortably for extended periods of time to ensure the full benefits of CPM treatment. Patient compliance is further enhanced by the PS1’s portability. A rechargeable motion controller and convenient shoulder sling allow the patient to be fully ambulatory during treatment.

For patient safety and peace of mind, a reverse-on-load safety feature will reverse the direction of motion should the patient resist or if motion is obstructed.

Anatomically correct motion from 0 to 90 degrees of pronation-supination.
Indications
Immediate postoperative management after the following, where indicated:
• Distal radius fractures (when stable)
• Fractures of the radius and ulna
• Fractures of the radial head
• Fractures associated with the humerus and ulna
• Surgical reduction or excision to treat radio-ulnar synostosis
• Disruption of carpal and radio-ulnar joints

Ordering Information
PS1-100U PS1 Pronation/Supination
CPM includes: CPM actuator, carrying case, rechargeable battery pack, power supply, motion controller, and disposable patient kit
PS1-101 Disposable patient softgoods kit (single patient use only)

Specifications
Range of Motion
Pronation 0° – 90°
Supination 0° – 90°
Rate of Motion 180° per minute
Force Settings Low – 2.8 Nm
             (25 in-lbs)
             High – 4.0 Nm
             (35 in-lbs)
Dimensions of Device
56 cm x 8 cm x 28 cm
(22 in x 3 in x 11 in)
Dimensions of Controller
10 cm x 18 cm x 5 cm
(4 in x 7 in x 2 in)
Weight of Device (includes softgoods)
Approx 1.4 kg (3.0 lbs)
Battery Life Up to 100 hours
Certification CSA, NRTL/C, 0130
W2
– Wrist CPM –

The leading lightweight portable wrist device available

- Fully portable
- Full range of motion over both flexion/extension and ulnar/radial Deviation, or a combination of both
- Durable, compact and comfortable design
- Adjustable force settings
- Rechargeable battery operation
- Reverse-on-load safety feature

The portable W2 Wrist CPM is designed to deliver maximum mobility to the wrist joint in flexion/extension and ulnar/radial deviation, or a combination of both. Treatment is further enhanced by its anatomical free-linkage design to help prevent compression and distraction of the radiocarpal joint. Dual reverse-on-load Force settings also provide for customized treatment.

Lightweight construction and comfortable softgoods allow the W2 to be worn for extended periods of time in both hospital and home settings.

For patient safety, a reverse-on-load safety feature ensures the W2 will reverse the direction of motion should the patient resist motion, or if motion is obstructed.

Achieves a full 0 to 90º of flexion/extension.

Provides up to 90º of ulnar/radial deviation, or a combination of both deviation and flexion/extension.

The portable motion controller has a rechargeable battery life of up to 100 hours. Dual force settings maximize treatment results.
Indications
• Distal radius fractures (stable)
• Open carpal tunnel procedures
• Ganglionectomy
• Rheumatoideal-neurological or burn-related stiffness
• Synovectomy
• (RSD) Reflex sympathetic dystrophy
• Following arthrotomy and drainage of acute septic arthritis, providing infection is controlled

Specific Contraindications
• Septic tenosynovitis, until infection is controlled

Ordering Information
W2-100U  W2 Wrist CPM
includes: actuator (wrist device), carrying case, rechargeable batteries, power supply, CPM controller, disposable patient kit and shoulder sling.

W2-101  Disposable patient kit includes all patient contact parts (softgoods splint, handle softgoods, velcro-fastener hand retaining strap, elbow sash and shoulder sling).

Specifications
Range of Motion
Flexion  0° – 90°
Extension 0° – 90°
Full Ulnar and Radial Deviation (up to 90°)
Rate of Motion 180° per minute
Force Settings Low – 2.8 Nm (25 in-lbs)
High – 4.0 Nm (35 in-lbs)

Dimensions of Device
31 cm x 11 cm x 14 cm
(12.0 in x 4.5 in x 5.5 in)

Dimensions of Motion Controller
9.6 cm x 18.0 cm x 3.7 cm
(3.75 in x 7.0 in x 1.5 in)

Weight of Device (includes softgoods) 1.0 kg (2.2 lbs)

Certification  CSA, NRTL/C,  CE

Lightweight and portable flexion, deviation, and extension for wrists.
Revolutionary design with true composite fist technology, plus, each digit achieves ROM at its own speed and pace.

- Full composite fist flexion
- Lightweight and portable
- Comfortable, fully adjustable splint
- Adjustable speed
- Pause feature for enhanced results
- Programmable reverse-on-load and warm-up features
- Easy-to-use digital motion controller
- Minimal joint compression

The WaveFlex is the unique anatomic hand CPM that allows the patient to achieve a full composite fist at 270°. Each joint is fully flexed by a sophisticated finger attachment which assists the fingers through a natural path of motion.

The portable, lightweight and balanced design enables wear for extended periods of time. The adjustable splint with open palmar area forms to the contours of the patient’s arm to give comfort and stability. Finger clip attachments make the device easy to apply and remove.

Treatment is enhanced by operating features contained in the simple to use programmable motion controller. These include adjustable speed, a programmable pause, warm-up feature, and programmable reverse-on-load.

Professionals will also appreciate the built-in compliance meter for monitoring patient progress and the lock-out feature to prevent tampering.
**Indications**

Immediate postoperative management after the following, where indicated:

- Capsulotomy, arthrolysis and tenolysis for post-traumatic stiffness of MP & PIP joints
- ORIF of intra-articular, diaphyseal and metaphyseal fracture of the phalanges and metacarpals
- Flexor and extensor tendon tenolysis
- Flexor and extensor tendon synovectomies, post arthroscopy / drainage of acute septic arthritis
- Prosthetic replacement of MP and PIP joints
- Stable fractures
- Crush hand injuries w/o fractures or dislocations
- Hand or digit reattachment
- Dupuytren’s contracture release
- Burn injuries; and reflex sympathetic dystrophy (RSD)

**Ordering information**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6000X</td>
<td>WaveFlex Hand CPM, patient kit, batteries, power supply</td>
</tr>
<tr>
<td>6301</td>
<td>Hand splint</td>
</tr>
<tr>
<td>6302</td>
<td>Hand splint</td>
</tr>
<tr>
<td>6305</td>
<td>Finger clips (8)</td>
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<tr>
<td>6508, 6507, 6506</td>
<td>Finger actuators (small, medium, large)</td>
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<tr>
<td>FBA-006</td>
<td>Finger strips (attachment tape)</td>
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<tr>
<td>6304</td>
<td>VHB adhesive tape</td>
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<tr>
<td>6417</td>
<td>MP block kit</td>
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<tr>
<td>6511 (L), 6512 (R)</td>
<td>Glove small</td>
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<tr>
<td>6513 (L), 6514 (R)</td>
<td>Glove medium</td>
</tr>
<tr>
<td>6515 (L), 6516 (R)</td>
<td>Glove large</td>
</tr>
</tbody>
</table>

**Specifications**

**Range of Motion**

- MCP: 0° – 90°
- PIP: 0° – 110°
- DIP: 0° – 70°
- Full Composite Fist: 270°
- Rate of Motion: 30 – 120 seconds per cycle

- Pause (program): 0 – 30 seconds at end of flexion and/or extension
- Reversing Force:
  - Low: 1.6 kg (3.5 lbs)
  - High: 4.3 kg (9.5 lbs)
- Warm-up (program): Start at 50% of programmed range of motion
- Weight:
  - Drive Assembly: 0.45 kg (1 lb)
  - Hand Controller: 0.20 kg (0.45 lb)
  - Patient Kit: 0.21 kg (0.46 lb)
- Power Requirements:
  - Input: 100 – 240VAC, 50/60Hz 40VA
  - Output: 5VDC, 2.5A
- Power Source:
  - Battery 6V-4 AA
  - or use Power Supply H6K-001
- Low Battery Warning: L.E.D.
- Certification: CSA, UL
- Patent Numbers: 4,962,756, 5,115,806, 5,327,882, 5,697,892

Gel finger sleeves and completely customizable set up allows for single or multiple digits to be treated, including the thumb.

A carrying case for the WaveFlex, splint and accessories allows convenient transportation.
The DanniLift provides the perfect storage and stability solution for the application of portable CPM devices in a hospital setting.

Uniquely designed for the hospital—the DanniLift’s self-storing ability avoids risk of contamination and also reduces lifting and transport burdens for caregivers.

- Patented lifting mechanism allows for self-storage and reduces risk of contamination
- Quick, safe & easy way for hospital staff to apply and remove CPM device from patient
- Stabilizes the CPM on the bed, improving positioning, especially for bi-lateral procedures
- Unique wrap-spring clutch makes it easy to lift CPM and safely locks at any height, while single pivot point reduces functional lifting weight of the CPM by almost half
- Safety lock-out device makes sure the CPM device stores securely

How it works – easy as 1, 2, 3

1. Attach DanniLift to bed with include customized double clamp

2. Attach CPM to DanniLift

3. Pull up to store, lower for use
   (Lock-out switch keeps CPM safely in storage position before being applied to patient.)

This lightweight, easy to use mechanism supports Otto Bock 480, 480E, 480E Pro and 520 CPM devices.
Consistent temperature means consistently better results

We offer the only controlled cold therapy product on the market using proprietary temperature control technology to provide a consistent temperature throughout application.

- Reduces the risk of nerve damage or frostbite that results from uncontrolled temperature variances
- Continually measures, adjusts and regulates motor speed for precision temperature control without manual adjustment
- Portable system suitable for any medical setting and continuous treatment anytime and anyplace
- Lightweight, low-profile design is patient friendly
- Automatic shut off feature lets user know when to add ice
- Provides hours of continuous safe treatment with superior results

Designed for one purpose: to provide continuous cold therapy without the risk of nerve or tissue damage.

Cold therapy is intended to reduce pain and soft tissue swelling resulting from surgery or trauma at a localized site. Any other use of this product is not recommended.
Combination Compression and Cryotherapy in One Application

The Game Ready™ system is designed for the treatment of musculoskeletal injury, post surgical trauma, acute and chronic injuries by athletes or active people, or various orthopedic procedures where the patient is advised to follow the R.I.C.E. (rest, ice, compression, elevation) regimen.

Where elastic bandages, messy ice packs, and other alternatives offer limited adjustability, the Game Ready system allows you to easily adjust pressure, manage temperature and select treatment time settings—with just the push of a few buttons and the twist of a dial. Now you can simply and simultaneously apply intermittent compression and adjustable cold therapy to deliver the two most difficult-to-manage aspects of the R.I.C.E. regimen in one easy-to-use treatment system.

Intermittent compression and controllable cryotherapy in one application.
Flexible Wrap Technology
Developed by scientists and doctors using NASA space-suit technology, Game Ready’s flexible wraps conform to the body for circumferential cold and compression therapy. Designed for most major body parts, the portable Game Ready system featuring patented form-fitting, no-hassle wraps, can assist in your injury treatment or post-surgery rehabilitation.

Dual-Action Process
The Game Ready Wrap is designed in two parts, featuring a removable outer sleeve and an inner dual action chamber. The dual action air and water chamber enables water to flow rapidly through the wrap, while the air inflates and deflates to deliver active cold and compression therapy.

Accessories
At home, at work, on the bench, or on the road—no matter where you are, our accessories make it easy to use your Game Ready system.
Sequential and intermittent compression therapies improve circulation to help reduce the risk of clot formation!

Intermittent pneumatic compression devices compress and release pressure around an extremity. This mechanical prophylactic pumping action improves venous and lymphatic circulation and enhances fibrinolytic activity to reduce the risk of early clot formation. The stimulated circulation reduces the chance of deep venous thromboses (DVTs) and complications of venous stasis when patients are not ambulatory after trauma, orthopedic surgery, neurosurgery, or other illnesses.

Sequential Compression System
The FlowPress® pump and garment system, with its sturdy, dependable pump and eight garment choices, is unsurpassed for enhancing lymphatic and venous flow.

- Lightweight, portable pump distributes air sequentially to three garment compartments
- Single control delivers distal-to-proximal, three-chamber segmental compression
- Ideal for home use

Intermittent Compression System
The intermittent compression provided by the FlowTron HC system, with a total of 9 garment choices, offers your patients easy-to-use therapeutic value.

- Lightweight, portable pump with single pressure control
- Cycle time preset at 90 seconds inflation and 90 seconds deflation
- Ideal for home use

Pneumatic compression devices have two components—the pump and an inflatable garment. The electrical pump unit intermittently pumps air into and out of an attached single-use inflatable garment. These specialized garments are designed for maximum comfort—soft, pliable and washable and designed to prevent pinching or chafing. Each garment has a full-length zipper for ease of use. Inflatable inserts are available to increase garment circumference.

The clinical efficacy of pneumatic compression therapy is well established. Please refer to www.ottobockus.com for clinical source information.
The FlowPress® Pump Specifications
Model Number AC300
Power 110 – 130v, 60Hz
Size 11 x 4 x 5 inches
Weight 5.25 pounds
Pressure Range 30-100 mm Hg
Approximate Cycle Time
  Inflation – 2 minutes
  Deflation – 1 minute
Part # Description
AC300 Sequential Compression Pump
FPRL/50 Half Leg Console Garment (19.75 in)
FPRL/66 Full Leg Console Garment (26 in)
FPRL/71 Full Leg Console Garment (28 in)
FPRL/76 Full Leg Console Garment (30 in)
FPRL/84 Full Leg Console Garment (33 in)
FPRL/92 Full Leg Console Garment (36.25 in)
FPRA/68 Full Arm Console Garment (26.25 in)
FPRA/78 Full Arm Console Garment (30.75 in)

The FlowTron® Pump Specifications
Model Number AC200HC
Power 110 – 130v, 60Hz
Size 4 x 11 x 5 inches
Weight 3.75 lbs.
Pressure Range 30 – 90 mm Hg
Approximate Cycle Time
  90 seconds inflation
  90 seconds deflation

Part # Description
AC200HC Single Chamber Intermittent Compression Pump
L101 Half Leg Garment (19.75 in length)
L102ES Full Leg Extra Short Garment (27 in)
L102S Full Leg, Short Garment (30 in)
L102M Full Leg Medium Garment (33 in)
L102L Full Leg Long Garment (36.25 in)
L102EL Full Leg, Extra Long Garment (38 in)
S120 Full Arm Garment (30.75 in)
S220 Half Arm Garment (20 in)

The FlowPress and FlowTron pumps are registered trademarks of Huntleigh Technology PLC.
Electrotherapy units for freedom from pain or therapy for edema—with the push of a button!

Electrotherapy is the non-invasive use of different types of electrical stimulation to treat different problems. Each works in slightly different ways, depending on the type of problem being treated.

**TENS**
Transcutaneous Electrical Nerve Stimulation (TENS) devices are used to help control both chronic and acute (short-term, often from surgery or trauma) pain. TENS uses two methods to provide pain relief: gate control and endorphin production.

**Gate Control vs. Endorphin Production**
Since nerves cannot carry a pain impulse and a non-pain impulse simultaneously, when the stronger, non-pain impulse overrides the pain signal, this is known as “gate control.” TENS stimulation also encourages the production and release of greater amounts of endorphin, which interacts with pain receptors, much as a narcotic does. TENS is very effective in blocking pain and is used to treat painful conditions in the spine, joints and muscles.

**TENS Benefits**
- Non-invasive pain relief
- Portable
- Ease of use encourages patient compliance and self-management
- Long-term costs are significantly less than pain medication with fewer side effects or risk of addiction
- Side effects, such as skin irritations, are minimal
TENS is indicated for:
• Low back pain
• Musculoskeletal pain
• Arthritic pain
• Postoperative pain

Electrical stimulators, such as a TENS unit, are contraindicated for persons with demand-type pacemakers.

NMES
Neuromuscular Electrical Stimulation (NMES) replicates the signals of voluntary muscle contractions, working with the muscle fibers instead of the nerve fibers. This type of movement is used to strengthen and prevent muscle atrophy in patients unable to exercise their own muscles. NMES also helps to move fluid out of swollen tissue in an injured area to help reduce edema and the associated complications.

NMES Benefits
• Reduce edema
• Reduce muscle spasms
• Increase blood circulation
• Muscle re-education
• Muscle strengthening
• Increase or maintain ROM
• Pain relief

NMES Indications
Common candidates for NMES therapy are patients recovering from orthopedic surgery, muscle strains or tears or patients who have undergone cartilage or tendon repair.

Otto Bock is proud to carry digital electrotherapy devices that are portable, easy to use and offer both the clinician and the patient precise settings for more comfortable and more effective treatments.

• Large, easy-to-read LCD panels display the settings
• A treatment timer can be set to allow the unit to shut off automatically, giving the therapist better control
• Push-button controls make the adjustments easier and provide precise settings. This ease of use can help to improve patient compliance and increase the effectiveness of the rehabilitation protocols
Knowing that patients need more than just CPM to regain full motion…

Otto Bock provides a full line of specialty rehabilitation products and services including post-op and functional orthotic bracing to meet your patients needs through the entire continuum of care. ABC Registered Orthotic Fitters are on staff to deliver all of these orthotic products to your patients.

Our clinically beneficial designs and a commitment to function, quality and comfort separate Otto Bock Orthotics from the rest. Our complete line of prefabricated orthoses, featuring both traditional and technologically advanced products, is backed by our passion for quality, our drive for innovation and our dedication to world-class service.

Our wide range of knee and ankle braces, walker boots, night splints and AFOs offer proven solutions to all significant indications that need post traumatic and postoperative care.

The innovative ComforT™ collection utilizes a unique phase-change material that absorbs or releases heat to boost the wearer’s comfort, and in the end, the wearer’s compliance.

The orthotics collection is rounded out with technologically advanced dynamic splints, hyperextension braces, and other tried and true products you and your patient will depend on to speed recovery—getting your patients back to motion!
Malleo Sprint – Ankle Orthosis

**Indications**
- Functional treatment of ligament ruptures
- Severe ankle distortions
- Chronic instability of the upper ankle joint

**Results**
- The special exoskeletal reinforcement provides a high degree of stabilization with and without a shoe
- Limits eversion and inversion of the foot
- Does not limit plantar and dorsal flexion

**Features and Benefits**
- Special plastic exoskeletal reinforcement for optimal anatomical support
- Includes stabilizing straps
- SpaceTex®, a 3-D spacer fabric, provides comfort, transmits moisture away from the skin
- Universal to the left and right side

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Circumference</th>
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</thead>
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<td>XS</td>
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<td>S</td>
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<td></td>
<td>M</td>
<td>32 – 33 cm / 12 – 13 in</td>
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<tr>
<td></td>
<td>L</td>
<td>33 – 36 cm / 13 – 14 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>36 – 38 cm / 14 – 15 in</td>
</tr>
</tbody>
</table>
# 28U9 – Ankle Foot Orthosis

## Indications
- Peroneal palsy
- Weak dorsiflexion

## Results
- Provides passive, flexible plantar flexion control
- Dynamic support of the foot

## Features and Benefits
- Constructed with thin sides and high quality surfaces
- Long sole for precise guidance of the foot
- Lightweight
- Hygienic, easy to clean
- Additional calf and tibia padding

## Material Properties

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size (European)</th>
<th>Men’s Shoe</th>
<th>Women’s Shoe</th>
<th>Total height</th>
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<td>31.5 cm / 12.5 in</td>
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<td>left</td>
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<td>34.5 cm / 13.5 in</td>
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<tr>
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<td>right</td>
<td>41 – 44 (XL)</td>
<td>9 – 12</td>
<td>10 – 13</td>
<td>39 cm / 15.5 in</td>
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</table>
Walker – Standard Height

Indications
• Soft tissue Injuries
• Grade 2 and 3 sprains
• Stable fractures
• Postoperative application

Results
• Stabilization of ankle and foot

Features and Benefits
• Contoured strut design allows the walker frame to conform to the patient’s anatomy, ensuring a better fit and increased wearing comfort
• Shock-absorbing sole reduces heel-strike impact
• Low and wide rocker-bottom profile promotes a natural, stable gait
• Available in five sizes

<table>
<thead>
<tr>
<th>Material no.</th>
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<th>Women’s Shoe</th>
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<td>S</td>
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<td>6 – 8</td>
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<tr>
<td></td>
<td>M</td>
<td>7.5 – 10.5</td>
<td>8.5 – 11.5</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>10.5 – 12.5</td>
<td>11.5 – 13.5</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>12.5+</td>
<td>13.5+</td>
</tr>
</tbody>
</table>
Walker – Low Top

Indications
• Soft tissue Injuries
• Grade 2 and 3 sprains
• Stable fractures
• Postoperative application

Results
• Stabilization of ankle and foot

Features and Benefits
• Contoured strut design allows the walker frame to conform to the patient’s anatomy, ensuring a better fit and increased wearing comfort
• Shock-absorbing sole reduces heel-strike impact
• Low and wide rocker-bottom profile promotes a natural, stable gait
• Available in five sizes

<table>
<thead>
<tr>
<th>Material no.</th>
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<th>Women’s Shoe</th>
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<td>6 – 8</td>
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<td>7.5 – 10.5</td>
<td>8.5 – 11.5</td>
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<tr>
<td></td>
<td>L</td>
<td>10.5 – 12.5</td>
<td>11.5 – 13.5</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>12.5+</td>
<td>13.5+</td>
</tr>
</tbody>
</table>
Air Walker with Pump
– Standard Height –

Indications
- Soft tissue Injuries
- Grade 2 and 3 sprains
- Stable fractures
- Postoperative application

Results
- Stabilization of ankle and foot
- Accommodation of swelling and volume changes during healing and rehabilitation phase

Features and Benefits
- The pneumatic system increases stability and comfort
- The use of air has a positive effect on decreasing pain and swelling
- The amount of air can easily be adjusted via an integrated pump to achieve required compression and optimal individual fit
- Shock absorbing sole reducing heel strike impact
- Low and wide rocker-bottom profile promotes a natural, stable gait
- The strut design conforms to the patient’s anatomy, ensuring a better fit and increased wearing comfort
- Available in five sizes

<table>
<thead>
<tr>
<th>Material no.</th>
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<td>4.5 – 7</td>
<td>6 – 8</td>
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<tr>
<td></td>
<td>M</td>
<td>7.5 – 10.5</td>
<td>8.5 – 11.5</td>
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<td></td>
<td>L</td>
<td>10.5 – 12.5</td>
<td>11.5 – 13.5</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>12.5+</td>
<td>13.5+</td>
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</tbody>
</table>
Air Walker with Pump
– Low Top –

Indications
• Soft tissue Injuries
• Grade 2 and 3 sprains
• Stable fractures
• Postoperative application

Results
• Stabilization of ankle and foot

Features and Benefits
• Low top height
• The pneumatic system increases stability and comfort
• The use of air has a positive effect on decreasing pain and swelling
• The amount of air can easily be adjusted via an integrated pump to achieve required compression and optimal individual fit
• Shock-absorbing sole reduces heel-strike impact
• Low and wide rocker-bottom profile promotes a natural, stable gait
• The strut design conforms to the patient’s anatomy, ensuring a better fit and increased wearing comfort
• Available in five sizes

<table>
<thead>
<tr>
<th>Material no.</th>
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<th>Women’s Shoe</th>
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<td>S</td>
<td>4.5 – 7</td>
<td>6 – 8</td>
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<tr>
<td></td>
<td>M</td>
<td>7.5 – 10.5</td>
<td>8.5 – 11.5</td>
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<tr>
<td></td>
<td>L</td>
<td>10.5 – 12.5</td>
<td>11.5 – 13.5</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>12.5+</td>
<td>13.5+</td>
</tr>
</tbody>
</table>
Range of Motion (ROM) Walker

Indications
• Soft tissue Injuries
• Grade 2 and 3 sprains
• Achilles tendon ruptures
• Stable fractures
• Postoperative application

Results
• Stabilization of ankle and foot at given angle or controlled range of motion

Features and Benefits
• The range of motion joint can be adjusted between 0 – 45° of plantar flexion and 0 – 45° of dorsal flexion
• The range of motion joint adjusts in 7.5° increments in both dorsal and plantar flexion
• The range of motion joint can be locked at any desired interval, or left with required range of motion
• Low and wide rocker-bottom profile promotes a natural, stable gait
• The strut design conforms to the patient’s anatomy, ensuring a better fit and increased wearing comfort
• Available in three sizes

<table>
<thead>
<tr>
<th>Material no.</th>
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<th>Women’s Shoe</th>
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<td>6 – 8</td>
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<tr>
<td></td>
<td>L</td>
<td>10.5 – 12.5</td>
<td>11.5 – 13.5</td>
</tr>
</tbody>
</table>
Night Splint

Indications
• Plantar fasciitis
• Achilles tendonitis
• Lower extremity-overuse related injuries

Results
• Gentle stretching of the plantar fascia and the achilles tendon

Features and Benefits
• Adjustable shell that allows adjustment from 90° – 10° of dorsal flexion using flexion straps
• Light weight, low profile frame
• Velcro®-attached breathable and washable liners for superior wearing comfort
• Ventral tibial and dorsal pads for increased wearing comfort
• Liners and pads can be easily removed and washed
• Patient-friendly buckles for easy closing and release of the straps
• Slip-resistant sole
• Available in three sizes

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Men’s Shoe</th>
<th>Women’s Shoe</th>
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<td>M</td>
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<td>8 – 10.5</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>10.5+</td>
<td>11+</td>
</tr>
</tbody>
</table>
Genu Therma is the family name for our orthopedic braces that provide warmth and compression. These effects increase blood circulation in the knee, improve sensory motor control and provide pain relief. The elastic material and the anatomical design offer real comfort. Genu Therma braces are particularly well-suited for mild injuries, occasional problems, and for use over shorter periods of time, such as when training.

### Indications
- Long term discomfort following trauma and/or surgery
- Overuse
- Beginning osteoarthritis
- General discomfort

### Material no. 8361

<table>
<thead>
<tr>
<th>Size</th>
<th>15 cm / 6 in above patella</th>
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<tbody>
<tr>
<td>XS</td>
<td>40 – 44 cm / 15.75 – 17.25 in</td>
</tr>
<tr>
<td>S</td>
<td>44 – 48 cm / 17.25 – 18.75 in</td>
</tr>
<tr>
<td>M</td>
<td>48 – 52 cm / 18.75 – 20.5 in</td>
</tr>
<tr>
<td>L</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
</tr>
<tr>
<td>XL</td>
<td>56 – 61 cm / 22 – 24 in</td>
</tr>
<tr>
<td>2XL</td>
<td>61 – 67 cm / 24 – 26.25 in</td>
</tr>
<tr>
<td>3XL</td>
<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>

### Results
- Provides warmth and compression, helps to reduce pain and improve blood circulation
- Supports sensory motor control

### Features and Benefits
- Anatomic design with soft edging for excellent comfort and fit
- High quality elastic to retain form and function
Indications
- Long term treatment following trauma and/or surgery
- Overuse
- Beginning osteoarthritis
- Patello-femoral pain

Results
- Provides warmth and compression, helps to reduce pain and improves blood circulation
- Supports sensory motor control
- Assists in controlling patellar subluxation

Features and Benefits
- Anatomic design with soft edging for excellent comfort and fit
- Opening for patellar control
- High-quality elastic material to retain form and function

---

### Genu Therma Patella

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<td>XS</td>
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</tr>
<tr>
<td></td>
<td>S</td>
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<tr>
<td></td>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>

### Genu Therma Fit

<table>
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<td>L</td>
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<tr>
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<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td></td>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>

1.800.RENT.CPM
Genu Carezza Knee Brace

Genu Carezza bracing provides light stability and is made from the latest generation of SpaceTex®. This material allows the skin to breath and draws moisture away from the body, keeping the skin dry. With this material, Carezza orthoses can be worn for longer periods of time.

Indications
- Overuse
- Beginning osteoarthritis
- Patello-femoral pain
- Post-traumatic and post-surgical treatment

Results
- Supports and stabilizes with coil springs
- Supports sensory motor control

Features and Benefits
- Lateral and medial coil springs to stabilize the brace and prevent it from rolling
- Anatomic design with soft edging to provide excellent comfort and fit
- New generation SpaceTex® material
- Two elastic straps
- Breathable alternative to Neoprene

<table>
<thead>
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<tr>
<td>L</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
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<tr>
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<tr>
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<td></td>
</tr>
<tr>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
<td></td>
</tr>
</tbody>
</table>
Indications
- Recurrent subluxation of the patella
- Patello-femoral pain
- Following lateral release surgery
- Lateral patella tracking

Results
- Helps patella track properly
- Helps prevent patella from subluxation
- Supports sensory motor control

Features and Benefits
- Flexible patella stabilizer
- C-shaped pad, adjusted by two separate straps for medial/lateral control
- Low profile
- Comfortable to wear/breathable
- Easily fits beneath clothes
Genu Direxa – Knee

Genu Direxa Knee Brace

The main function of the Direxa knee brace is to stabilize the knee joint. All Direxa products have the best possible comfort and fit thanks to the anatomical design in combination with our latest generation of SpaceTex® material. All braces are available in a wraparound or closed design, to fit different patient demands, and the slim design makes them flexible to wear under clothing. Genu Direxa has the option of providing stability in a full range of motion or in a pre-set range of motion. The new and innovative Click 2 Fit flexion and extension stops allow easy and tool-free adjustment, within a few seconds, between 13 different positions.
## Indications
- Patello-femoral pain
- Post-traumatic and post-surgical ligament laxities/instabilities
- Rheumatoid arthritis
- Beginning stages of osteoarthritis

## Results
- Stabilizes the knee
- Supports sensory motor control

## Features and Benefits
- Anatomic design with soft edging for excellent comfort and fit
- Covered, two axis joints in a slim, light design
- The joints can easily be removed from the lateral and medial pockets
- New generation of SpaceTex® material
- Two elastic straps

### Material no. 8356

<table>
<thead>
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### Material no. 8353

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</tr>
</thead>
<tbody>
<tr>
<td>XS</td>
<td>40 – 44 cm / 15.75 – 17.25 in</td>
</tr>
<tr>
<td>S</td>
<td>44 – 48 cm / 17.25 – 18.75 in</td>
</tr>
<tr>
<td>M</td>
<td>48 – 52 cm / 18.75 – 20.5 in</td>
</tr>
<tr>
<td>L</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
</tr>
<tr>
<td>XL</td>
<td>56 – 61 cm / 22 – 24 in</td>
</tr>
<tr>
<td>2XL</td>
<td>61 – 67 cm / 24 – 26.25 in</td>
</tr>
<tr>
<td>3XL</td>
<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>

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1.800.RENT.CPM
Indications
- Patello-femoral pain
- Post-traumatic and post-surgical ligament laxities/instabilities
- Rheumatoid arthritis
- Beginning stages of osteoarthritis

Results
- Stabilizes the knee
- Prevents hyperextension/flexion of the knee joint
- Supports sensory motor control

Features and Benefits
- Anatomic design with soft edging provides excellent comfort and fit
- Covered, two axis joints in a slim, light design
- Click-2-Fit flexion and extension stops for a tool-free ROM adjustment
- The joints can easily be removed from the lateral and medial pockets
- New generation of SpaceTex® material
- Firm straps
- Adjustability behind the knee creates more secure fitting

Material no. 8357

<table>
<thead>
<tr>
<th>Size</th>
<th>15 cm / 6 in above patella</th>
</tr>
</thead>
<tbody>
<tr>
<td>XS</td>
<td>40 – 44 cm / 15.75 – 17.25 in</td>
</tr>
<tr>
<td>S</td>
<td>44 – 48 cm / 17.25 – 18.75 in</td>
</tr>
<tr>
<td>M</td>
<td>48 – 52 cm / 18.75 – 20.5 in</td>
</tr>
<tr>
<td>L</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
</tr>
<tr>
<td>XL</td>
<td>56 – 61 cm / 22 – 24 in</td>
</tr>
<tr>
<td>2XL</td>
<td>61 – 67 cm / 24 – 26.25 in</td>
</tr>
<tr>
<td>3XL</td>
<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>
**Indications**
- Patello-femoral pain
- Post-traumatic and post-surgical ligament laxities/instabilities
- Rheumatoid arthritis
- Beginning stages of osteoarthritis

**Results**
- Stabilizes the knee
- Helps control hyperextension/flexion of the knee joint
- Supports sensory motor control

**Features and Benefits**
- Wraparound design for easy application
- Anatomic design with soft edging for excellent comfort and fit
- Covered, two axis joints in a slim, light design
- Click-2-Fit flexion and extension stops for a tool-free ROM adjustment
- Easily removable uprights
- New generation SpaceTex® material
- Firm straps

<table>
<thead>
<tr>
<th>Material no. 8367</th>
<th>Size</th>
<th>15 cm / 6 in above patella</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genu Direxa Stable Wraparound</td>
<td>XS</td>
<td>40 – 44 cm / 15.75 – 17.25 in</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>44 – 48 cm / 17.25 – 18.75 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>48 – 52 cm / 18.75 – 20.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>56 – 61 cm / 22 – 24 in</td>
</tr>
<tr>
<td></td>
<td>2XL</td>
<td>61 – 67 cm / 24 – 26.25 in</td>
</tr>
<tr>
<td></td>
<td>3XL</td>
<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td></td>
<td>4XL</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>
**Indications**
- Patello-femoral pain
- Post ligament surgery
- Pre-surgery/chronic laxity/instability of any cruciate ligament
- Severe and/or complex ligament laxity/instability post injury
- Severe and/or complex ligament laxity/instability relating to a degenerative disease
- Collateral ligament injuries
- Post meniscus surgery

**Results**
- Stabilizes the knee
- Helps control hyperextension/flexion of the knee joint
- Supports sensory motor control

**Features and Benefits**
- Anatomic design with soft edging for excellent comfort and fit
- Lower uprights for excellent stability
- Covered, two axis joints in a slim, light design
- Click-2-Fit flexion and extension stops for a tool-free ROM adjustment
- Easily removable uprights
- New generation of SpaceTex® material
- Firm straps
- Adjustability solution on the backside for secure fitting

**Material no. 8359**

<table>
<thead>
<tr>
<th>Size</th>
<th>Side</th>
<th>15 cm / 6 in above patella</th>
</tr>
</thead>
<tbody>
<tr>
<td>XS</td>
<td>L/R</td>
<td>40 – 44 cm / 15.75 – 17.25 in</td>
</tr>
<tr>
<td>S</td>
<td>L/R</td>
<td>44 – 48 cm / 17.25 – 18.75 in</td>
</tr>
<tr>
<td>M</td>
<td>L/R</td>
<td>48 – 52 cm / 18.75 – 20.5 in</td>
</tr>
<tr>
<td>L</td>
<td>L/R</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
</tr>
<tr>
<td>XL</td>
<td>L/R</td>
<td>56 – 61 cm / 22 – 24 in</td>
</tr>
<tr>
<td>2XL</td>
<td>L/R</td>
<td>61 – 67 cm / 24 – 26.25 in</td>
</tr>
<tr>
<td>3XL</td>
<td>L/R</td>
<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td>4XL</td>
<td>L/R</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>
Indications
- Patello-femoral pain
- Post ligament surgery
- Pre-surgery/chronic laxity/instability of any cruciate ligament
- Severe and/or complex ligament laxity/instability post injury
- Severe and/or complex ligament laxity/instability relating to a degenerative disease
- Collateral ligament injuries
- Post meniscus surgery

Results
- Stabilizes the knee
- Helps control hyperextension/flexion of the knee joint
- Supports sensory motor control

Features and Benefits
- Anatomic design with soft edging for excellent comfort and fit
- Lower uprights for excellent stability
- Covered, two axis joints in a slim, light design
- Click-2-Fit flexion and extension stops for a tool free ROM adjustment
- Easily removable uprights
- New generation of SpaceTex® material
- Firm straps
- Adjustability solution on the backside for secure fitting

<table>
<thead>
<tr>
<th>Material no. 8368</th>
<th>Size</th>
<th>Side</th>
<th>15 cm / 6 in above patella</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>XS</td>
<td>L/R</td>
<td>40 – 44 cm / 15.75 – 17.25 in</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>L/R</td>
<td>44 – 48 cm / 17.25 – 18.75 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>L/R</td>
<td>48 – 52 cm / 18.75 – 20.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>L/R</td>
<td>52 – 56 cm / 20.5 – 22 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>L/R</td>
<td>56 – 61 cm / 22 – 24 in</td>
</tr>
<tr>
<td></td>
<td>2XL</td>
<td>L/R</td>
<td>61 – 67 cm / 24 – 26.25 in</td>
</tr>
<tr>
<td></td>
<td>3XL</td>
<td>L/R</td>
<td>67 – 73 cm / 26.25 – 28.75 in</td>
</tr>
<tr>
<td></td>
<td>4XL</td>
<td>L/R</td>
<td>73 – 79 cm / 28.75 – 31 in</td>
</tr>
</tbody>
</table>
Genu Arexa Knee Brace

Our new, functional knee brace sets the standard in compliance, handling and design (by Ora-Ito). Auto-adaptive frame and intelligent padding solutions, in combination with a number of clever details, ensure an individualized fit.

Unique Click-2-Fit System
The innovative system makes it easy to adjust for knee width and range of motion settings without the need for tools.

Autoadaptive Frame
We’ve made the proximal and distal ends flexible to better adapt to the shape of the leg when tightening the straps.

Anatomical Tibia Pad
The tibia is especially sensitive to pressure, so we’ve created a slim, comfortable pad for the distal frame. The strap below the knee is also equipped with a special anatomic pad that prevents pressure points as well as rotational slippage of the orthosis.

Proprietary TechnoGel® Condyle Pads
TechnoGel®, with its unique material properties, provides excellent load distribution, offers an optimized contact surface and provides improved hygiene.

Slim, Lightweight Design
At only 18 ounces, the Genu Arexa is one of the lightest functional braces on the market. The auto-adaptive frame allows for an intimate fit allowing the brace to be worn easily under clothing. The strap above the calf provides a true circumference fit, limiting migration. All these features lead to increased patient compliance and comfort.
Indications

• After ligament reconstruction surgery
• Knee instability
• After meniscal reconstruction
• Pre and postoperative treatment of complex ligament disruptions

Results

• Provides optimal stabilization
• Limits anterior drawer
• Provides collateral stabilization
• Prevents hyperextension/flexion of the knee

Features and Benefits

• Click-2-Fit flexion and extension stops for a tool-free ROM adjustment
  Flexion: 6°, 10°, 20°, 30°, 45°, 60°, 75°, 90°
  Extension: 6°, 10°, 20°, 30°, 45°
• Click-2-Fit condyle baskets and width adapters for customized fit
• Auto-adaptive frame for perfect fit without need for adjustment
• Anatomic strap pad for tibia relief and rotation prevention
• Comfortable padding for the frame and the straps
• Full-circumference straps above and below the knee to prevent migration
• Lower knee strap can be changed to a higher position
• Slim and lightweight design
• Unique TechnoGel® pads for optimal fit and pressure point comfort
• Easy-to-service strap attachments

<table>
<thead>
<tr>
<th>Material no. 50K13</th>
<th>Size</th>
<th>Knee Joint</th>
<th>15 cm above mid-patella</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S</td>
<td>32 – 37 cm / 12.5 – 14.5 in</td>
<td>39 – 46 cm / 15.35 – 18 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>37 – 41 cm / 14.5 – 16.25 in</td>
<td>46 – 53 cm / 18 – 20.75 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>41 – 44 cm / 16.25 – 17.25 in</td>
<td>53 – 61 cm / 20.75 – 24 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>46 – 50 cm / 18 – 19.75 in</td>
<td>61 – 69 cm / 24 – 27 in</td>
</tr>
<tr>
<td></td>
<td>2XL</td>
<td>50 – 56 cm / 19.75 – 22 in</td>
<td>69 – 79 cm / 27 – 31 in</td>
</tr>
</tbody>
</table>
Bellacure™ Treatment Device

New pain relief treatment for arthritic knee conditions

Bellacure’s non-surgical Osteoarthritis (OA) treatment device is worn around the knee to provide pain relief to those suffering from osteoarthritis. The general principle of pain relief is based on the clinically proven applied valgus movement, or applied force, which relieves pressure from the arthritic compartment of the knee.

Bellacure has developed a biomechanical dosing system that allows repeatable application of pain-relieving forces at an intensity level unmatched in orthopedics (150 torsional lbs. of decompression). The device only weighs 15 ounces and has the ability to match the individual contour of a patient’s limb, reducing the need for large bulky frames.

The device is made up of a lightweight, high-stretch and breathable outer fabric structure that conceals the integrated mechanical elements, allowing the patient to receive consistent pain relief while maintaining a discreet appearance. Once the device is pulled up the leg and positioned around the knee, the patient simply engages and rotates the dosing mechanism until the desired pain-relief level is attained. Patients can release the applied pressure or change the dosage in one step without removing the device.
<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>15 cm above mid-patella*</th>
</tr>
</thead>
<tbody>
<tr>
<td>010001</td>
<td>X-small, Right Lateral</td>
<td>34.5 – 42 cm / 13.5 – 16.5 in</td>
</tr>
<tr>
<td>010002</td>
<td>X-small, Right Medial</td>
<td></td>
</tr>
<tr>
<td>010003</td>
<td>X-small, Left Medial</td>
<td></td>
</tr>
<tr>
<td>010004</td>
<td>X-small, Left Lateral</td>
<td></td>
</tr>
<tr>
<td>010005</td>
<td>Small, Right Lateral</td>
<td>42 – 48.5 cm / 16.5 – 19 in</td>
</tr>
<tr>
<td>010006</td>
<td>Small, Right Medial</td>
<td></td>
</tr>
<tr>
<td>010007</td>
<td>Small, Left Medial</td>
<td></td>
</tr>
<tr>
<td>010008</td>
<td>Small, Left Lateral</td>
<td></td>
</tr>
<tr>
<td>010009</td>
<td>Medium, Right Lateral</td>
<td>48.5 – 54.5 cm / 19 – 21.5 in</td>
</tr>
<tr>
<td>010010</td>
<td>Medium, Right Medial</td>
<td></td>
</tr>
<tr>
<td>010011</td>
<td>Medium, Left Medial</td>
<td></td>
</tr>
<tr>
<td>010012</td>
<td>Medium, Left Lateral</td>
<td></td>
</tr>
<tr>
<td>010013</td>
<td>Large, Right Lateral</td>
<td>54.5 – 62 cm / 21.5 – 24.5 in</td>
</tr>
<tr>
<td>010014</td>
<td>Large, Right Medial</td>
<td></td>
</tr>
<tr>
<td>010015</td>
<td>Large, Left Medial</td>
<td></td>
</tr>
<tr>
<td>010016</td>
<td>Large, Left Lateral</td>
<td></td>
</tr>
<tr>
<td>010017</td>
<td>X-large, Right Lateral</td>
<td>62 – 76 cm / 24.5 – 30 in</td>
</tr>
<tr>
<td>010018</td>
<td>X-large, Right Medial</td>
<td></td>
</tr>
<tr>
<td>010019</td>
<td>X-large, Left Medial</td>
<td></td>
</tr>
<tr>
<td>010020</td>
<td>X-large, Left Lateral</td>
<td></td>
</tr>
</tbody>
</table>

*Measurement – 6 in above mid patella. If between sizes select the smaller size.

Features of the Bellacure OA treatment device

- Non-invasive
- Ultra-lightweight materials
- Repeatable pain-relief dosing
- Washable
- Low profile
- Easy to put on
- Breathable/wicking TD skin
- Reinforced comfort zone micro-cable guides
- Guaranteed pain relief
- Guaranteed suspension
- Lifetime warranty on dosing mechanism
- Lifetime warranty on internal support framework
Indications
- Post-traumatic and postoperative immobilization and stabilization of the knee at set position or with limited knee joint motion

Results
- Immobilization and controlled motion of the knee joint

Features and Benefits
- Simple and unique hinge control mechanism to set flexion and extension stops
- Extension stop can be set at 0, 10, 20, 30, 45, 60, 75 and 90 degrees
- Flexion stop can be set at 0, 10, 20, 30, 45, 60, 75, 90, 105 and 120º degrees
- Open strap design for breathability and patient comfort in warmer environments
- Lightweight
- Low profile hinge
- Velcro® attached liners can be easily removed and washed
- Easy to fit and apply
- Available in two sizes and lengths

To determine size, measure thigh circumference 15 cm / 6 in above mid-patella.

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Length 61 cm / 24 in</th>
<th>Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K34</td>
<td>M</td>
<td>up to 69 cm / 27 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>69 – 89 cm / 27 – 35 in</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Length 71 cm / 28 in</th>
<th>Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K35</td>
<td>M</td>
<td>up to 69 cm / 27 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>69 – 89 cm / 27 – 35 in</td>
</tr>
</tbody>
</table>
Postoperative Knee Brace – Premium Model

Indications
- Post-traumatic and postoperative immobilization and stabilization of the knee at a set position or with limited knee joint motion

Results
- Immobilization and controlled motion of the knee joint

Features and Benefits
- Simple and unique hinge control mechanism to set flexion and extension stops
- Extension stop can be set at 0, 10, 20, 30, 45, 60, 75 and 90° degrees
- Flexion stop can be set at 0, 10, 20, 30, 45, 60, 75, 90, 105 and 120° degrees
- Full pad design for greater patient comfort
- Lightweight
- Low profile hinge
- Velcro® attached liners can be easily removed and washed
- Easy to fit and apply
- Available in two sizes and lengths

To determine size, measure thigh circumference 15 cm / 6 in above mid-patella.

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Length 61 cm / 24 in</th>
<th>Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K36</td>
<td>M</td>
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<td>XL</td>
<td>69 – 89 cm / 27 – 35 in</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Length 71 cm / 28 in</th>
<th>Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K37</td>
<td>M</td>
<td>up to 69 cm / 27 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>69 – 89 cm / 27 – 35 in</td>
</tr>
</tbody>
</table>
Knee Immobilizer – Cool Model

Indications
• Post-traumatic and postoperative immobilization of the knee joint

Results
• Immobilization of the knee

Features and Benefits
• Universal size with innovative slide to adjust length from 46 – 61 cm (18 – 24 in)
• Flexible thigh and cuff design allows the brace to conform to the patients, ensuring a better fit and increased comfort
• Open pad design for breathability and patient comfort in warmer environments
• Lightweight
• Velcro® attached liners can be easily removed and washed
• Easy to fit

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K33</td>
<td>universal</td>
<td>46 – 61 cm / 18 – 24 in</td>
</tr>
</tbody>
</table>
Knee Immobilizer – Premium Model

Indications
• Post-traumatic and postoperative immobilization of the knee joint

Results
• Immobilization of the knee

Features and Benefits
• Universal size with innovative slide to adjust length from 41 – 61 cm (18 – 24 in)
• Flexible thigh and cuff design allows the brace to conform to the patient, ensuring a better fit and increased comfort
• Full pad design for greater patient comfort
• Lightweight
• Velcro® attached liners can be easily removed and washed
• Easy to fit

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K31</td>
<td>universal</td>
<td>46 – 61 cm / 18 – 24 in</td>
</tr>
</tbody>
</table>
Genu Immobil
Knee Immobilization Orthosis

Indications
• Postoperative and post-traumatic immobilization of the knee joint

Results
• Immobilization of the knee at 0° or 20° of flexion
• Collateral stabilization of the knee

Features and Benefits
• Customized fitting (medially and laterally)
• Medial and lateral sections have splints and can be attached in a variety of ways
• Comfortable, skin-friendly material
• Easy to put on and take off, even for patients lying down

Genu Immobil 0°
for the immobilization of the knee at a 0° flexion angle

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Length</th>
<th>Lower leg circumference</th>
<th>Thigh circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>8060</td>
<td>S</td>
<td>40 cm / 16 in</td>
<td>35 – 60 cm / 14 – 24 in</td>
<td>43 – 76 cm / 17 – 30 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>50 cm / 20 in</td>
<td>35 – 60 cm / 14 – 24 in</td>
<td>47 – 84 cm / 18.5 – 33 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>60 cm / 24 in</td>
<td>38 – 66 cm / 15 – 26 in</td>
<td>49 – 88 cm / 19.5 – 35 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>70 cm / 28 in</td>
<td>38 – 66 cm / 15 – 26 in</td>
<td>51 – 92 cm / 20 – 36.5 in</td>
</tr>
</tbody>
</table>

Genu Immobil 20°
for the immobilization of the knee at a 20° flexion angle

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Length</th>
<th>Lower leg circumference</th>
<th>Thigh circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>8062</td>
<td>S</td>
<td>40 cm / 16 in</td>
<td>35 – 60 cm / 14 – 24 in</td>
<td>43 – 76 cm / 17 – 30 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>50 cm / 20 in</td>
<td>35 – 60 cm / 14 – 24 in</td>
<td>47 – 84 cm / 18.5 – 33 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>60 cm / 24 in</td>
<td>38 – 66 cm / 15 – 26 in</td>
<td>49 – 88 cm / 19.5 – 35 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>70 cm / 28 in</td>
<td>38 – 66 cm / 15 – 26 in</td>
<td>51 – 92 cm / 20 – 36.5 in</td>
</tr>
</tbody>
</table>
Tübingen Hip Abduction Orthosis
by Prof. Dr. Bernau, M.D.

The reliable solution for hip dysplasia

The best prerequisite for treating congenital hip dysplasia is a moderate abduction combined with a hip flexion greater than 90°. The Tübingen Hip Abduction Orthosis is particularly well-suited for achieving this therapeutic position. The thigh supports are connected to the shoulder harness with two perlon-beaded cords. The beads allow consistent, reproducible hip flexion adjustment. Each beaded cord is attached to the back of the shoulder harness with a red closure. The cord then runs through the red closure under the leg shells and back to the white snap lock at the shoulder harness. To apply the orthosis, the parents merely need to use the hook-and-loop closure and the two white snap locks. The child’s physician uses the red snap locks to set the correct position. The desired abduction angle is easily adjusted by means of the grid on the spreader bar.
Indications
- Treatment of hip dysplasia in infants (hip types IIa and IIb according to Graf)
- Unstable or decentered hips (IIc and IId) when monitored at frequent intervals by experienced orthopedic physicians

Results
- Based on the principle of the proven sitting-squatting position with hip flexion greater than 90° and moderate abduction

Features and Benefits
- Thigh supports are connected to the shoulder harness with two perlon-beaded cords
- Reproducible setting of hip flexion
- Perlon-beaded cords allow for customized flexion
- Abduction angle adjustable by means of spreader bar
- Shoulder supports have terry cloth cover
- Easy to apply with simple closures and snap locks

<table>
<thead>
<tr>
<th>Material no.</th>
<th>For age (months)</th>
<th>Spanning width (S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>28L10=3</td>
<td>1</td>
<td>95 – 130 mm / 4 – 5.5 in</td>
</tr>
<tr>
<td>28L10=2</td>
<td>2 – 6</td>
<td>95 – 130 mm / 4 – 5.5 in</td>
</tr>
<tr>
<td>28L10=1</td>
<td>6 – 12</td>
<td>110 – 160 mm / 4.5 – 6.5 in</td>
</tr>
</tbody>
</table>
Indications
- Postoperative stabilization of the hip joint
- Prevention and treatment of TEP loosening
- Instability of the hip joint

Results
- Stabilizes the hip joint
- Restricts rotation

Features and Benefits
- Modular design
- Multi-axial joint
- High level of stability
- Lightweight
- Comfortable
- Limitation of movement (ROM) can be adjusted
### Hip module

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Waist circ. (A)</th>
<th>Hip circ. (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>28L50</td>
<td>left right</td>
<td>S</td>
<td>60 – 82 cm / 24 – 32.5 in</td>
<td>68 – 90 cm / 27 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>M</td>
<td>80 – 96 cm / 31.5 – 38 in</td>
<td>90 – 110 cm / 35.5 – 43.5 in</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>L</td>
<td>94 – 115 cm / 37 – 45.5 in</td>
<td>106 – 126 cm / 42 – 50 in</td>
</tr>
</tbody>
</table>

### Thigh module

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Proximal (C)</th>
<th>Distal (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>28L51</td>
<td>left right</td>
<td>S</td>
<td>44 – 53 cm / 17.5 – 21 in</td>
<td>34 – 41 cm / 13.5 – 16.5 in</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>M</td>
<td>48 – 60 cm / 19 – 24 in</td>
<td>36 – 45 cm / 14.5 – 18 in</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>L</td>
<td>57 – 68 cm / 22.5 – 27 in</td>
<td>42 – 49 cm / 16.5 – 19.5 in</td>
</tr>
</tbody>
</table>

### Hip joint

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Patient height</th>
</tr>
</thead>
<tbody>
<tr>
<td>17H50</td>
<td>=1(S)</td>
<td>to 180 cm / to 6 ft</td>
</tr>
<tr>
<td></td>
<td>=2(L)</td>
<td>from 180 cm / from 6 ft</td>
</tr>
</tbody>
</table>

### Hip pad

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>29L70</td>
<td>left right</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>M</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>L</td>
</tr>
</tbody>
</table>

### Thigh pad

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>29L71</td>
<td>left right</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>M</td>
</tr>
<tr>
<td></td>
<td>left right</td>
<td>L</td>
</tr>
</tbody>
</table>
The modular Lumbo TriStep orthosis adapts to three therapy levels and enables the systematic rehabilitation of the lumbar spine. As the degree of support is reduced with each step of treatment, the patient’s mobility is systematically increased. The aim of the Lumbo TriStep is to restore muscular balance in the lumbar spine.
Indications
The staged, targeted mobilization of patients is indicated, among other situations, in cases of severe to very severe pain as well as after a stabilizing surgery. The Lumbo TriStep orthosis is indicated in cases of:

- Postoperative stabilization of the lumbar spine (e.g., spondylodesis)
- Postoperative lordosis correction of the lumbar spine (e.g., after intervertebral disk surgery)
- Facet syndrome
- Lumbar vertebral canal stenosis
- Symptomatic stenosis of the lumbar intervertebral foramina
- Degenerative instability
- Spondylolysis / spondylolisthesis
- Follow-up treatment of vertebral body fractures of the lower lumbar spine

Results
- Protection and stabilization of surgically treated structures by stabilizing the lumbar spine and reducing lordosis
- Stabilization of the lumbar spine and increased muscle involvement
- Muscular support as well as stabilization and integration of the lumbar spine

Features and Benefits
- Staged lumbar spine orthosis
- Bridging element (step 1)
- Auto adaptive support stays (step 2)
- Lightweight and slim design
- Quick removal and attachment of support elements without tools

Size selection is based on pelvic circumference as follows:

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Pelvic circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>50R30=S</td>
<td>65 – 80 cm / 25.5 – 28.5 in</td>
</tr>
<tr>
<td>50R30=M</td>
<td>80 – 100 cm / 28.5 – 39.25 in</td>
</tr>
<tr>
<td>50R30=L</td>
<td>100 – 125 cm / 39.25 – 49.25 in</td>
</tr>
</tbody>
</table>
Hyperextension Orthosis
– In-frame construction –

**Indications**
- Stable compression fractures (also osteoporotic) of lower thoracic spine and lumbar spine without neurological damage
- Osteoporosis

**Results**
- Reclination of the spine in the thoracolumbar transition
- Relief for the ventral parts of the vertebral bodies
- Limits lateral flexion and rotation of the upper body

**Features and Benefits**
- Flexible pelvic band that can be fixed into place
- Movable sternal support
- Customizable circumference and height
- Skin-friendly materials
- Lightweight and waterproof

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Pelvic circumference</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>28R18</td>
<td>Small</td>
<td>60 – 75 cm / 23.5 – 29.5 in</td>
<td>39 – 46 cm / 15 – 18 in</td>
</tr>
<tr>
<td></td>
<td>Medium/Short</td>
<td>75 – 90 cm / 29.5 – 35.5 in</td>
<td>40 – 44 cm / 15.5 – 17 in</td>
</tr>
<tr>
<td></td>
<td>Medium</td>
<td>75 – 90 cm / 29.5 – 35.5 in</td>
<td>42 – 50 cm / 16.5 – 19.5 in</td>
</tr>
<tr>
<td></td>
<td>Large/Short</td>
<td>90 – 105 cm / 35.5 – 41.5 in</td>
<td>42 – 50 cm / 16.5 – 19.5 in</td>
</tr>
<tr>
<td></td>
<td>Large</td>
<td>90 – 105 cm / 35.5 – 41.5 in</td>
<td>44 – 52 cm / 17.5 – 20.5 in</td>
</tr>
<tr>
<td></td>
<td>X-Large/Short</td>
<td>105 – 115 cm / 41.5 – 45.5 in</td>
<td>46 – 53 cm / 18 – 21 in</td>
</tr>
<tr>
<td></td>
<td>X-Large</td>
<td>105 – 115 cm / 41.5 – 45.5 in</td>
<td>50 – 56 cm / 19.5 – 22 in</td>
</tr>
</tbody>
</table>
Hyperextension Orthosis

Indications
• Stable compression fractures (also osteoporotic) in the lower thoracic spine and the lumbar spine without neurological damage
• Osteoporosis

Results
• Reclination of the spine at the thoracolumbar transition
• Relief for the ventral vertebral bodies

Features and Benefits
• Available in four sizes, ready to fit
• Height-adjustable sternal and symphysis pubis support pads
• Sternal and symphysis pubis support pads made of foam with moldable aluminum core
• User-friendly ratchet closures and locks
• Skin-friendly material
• Lightweight
• Waterproof

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>28R14</td>
<td>S</td>
<td>60 – 75 cm / 24 – 29.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>75 – 90 cm / 29.5 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>90 – 105 cm / 35.5 – 41.5 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>105 – 120 cm / 41.5 – 47 in</td>
</tr>
</tbody>
</table>
Dosi ComforT and Dosi Stable ComforT

Indications
- Pain, weakness, instability, acute or chronic lumbago, degenerative changes

Results
- Straightening and reduction of the lumbar lordosis
- Relief for the lumbar spine

Features and Benefits
- Made of comfortable, thermo-regulative material
- Preshaped splints enhance stability
- Anatomic design eases application and optimal fit
- The 1056 Dosi Stable ComforT is 5 cm (2 in) higher compared to the 1055 Dosi Stable ComforT and has two additional dorsal cross-straps providing additional support
- Can be combined with pad 1030

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1055</td>
<td>S</td>
<td>64 – 72 cm / 25 – 28.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>72 – 80 cm / 28.5 – 31.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>80 – 90 cm / 31.5 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>90 – 100 cm / 35.5 – 39.5 in</td>
</tr>
<tr>
<td></td>
<td>XXL</td>
<td>100 – 115 cm / 39.5 – 43.5 in</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1056</td>
<td>S</td>
<td>64 – 72 cm / 25 – 28.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>72 – 80 cm / 28.5 – 31.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>80 – 90 cm / 31.5 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>90 – 100 cm / 35.5 – 39.5 in</td>
</tr>
<tr>
<td></td>
<td>XXL</td>
<td>100 – 115 cm / 39.5 – 43.5 in</td>
</tr>
</tbody>
</table>
Dosi X High Back Support

Indications
- Acute or chronic lumbago (also of the thoracolumbar transition)
- Lumboschialgia
- Malformations of the lumbosacral transition
- Degenerative changes of the lumbar spine
- Conservative and postoperative treatment of disc prolapse
- Lumbar spinal canal stenoses

Results
- Straightening and reduction of the lumbar lordosis
- Relief for the lumbar spine

Features and Benefits
- Back support 10 cm (4 in) higher than Dosi X Back Support 3002
- Anterior spiral springs and exchangeable posterior plastic splints offer excellent stability
- Used for both lumbar and lumbosacral indications
- Easy to apply
- Flexible and breathable material
- Washable

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1070</td>
<td>S</td>
<td>64 – 72 cm / 25.5 – 28.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>72 – 80 cm / 28.5 – 31.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>80 – 90 cm / 31.5 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>90 – 100 cm / 35.5 – 39.5 in</td>
</tr>
<tr>
<td></td>
<td>XXL</td>
<td>100 – 110 cm / 39.5 – 43.5 in</td>
</tr>
</tbody>
</table>
Dosi X Back Support
– with Hip Development –

Indications
• Pain, weakness, instability, acute or chronic lumbago, degenerative changes

Results
• Straightening and reduction of the lumbar lordosis
• Relief for the lumbar spine

Features and Benefits
• Curved design provides better fit and improved support for patients with wider hips
• Made of latex-free, ventilated elastic material with four plastic stays in the back
• All stay pockets are open on one end so the stays can be easily removed or adjusted
• Adjustable cross straps in the back offer targeted support in the lumbar and lumbosacral regions

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>3042</td>
<td>S</td>
<td>72 – 80 cm / 28.5 – 31.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>80 – 90 cm / 31.5 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>90 – 100 cm / 35.5 – 39.5 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>100 – 110 cm / 39.5 – 43.5 in</td>
</tr>
<tr>
<td></td>
<td>XXL</td>
<td>110 – 120 cm / 43.5 – 47.5 in</td>
</tr>
</tbody>
</table>
Dosi X Back Support

Indications
- Acute or chronic lumbago
- Lumboischialgia
- Malformations of the lumbosacral transition
- Degenerative changes of the lumbar spine
- Conservative and postoperative treatment of disc prolapse
- Lumbar vertebral canal stenoses

Results
- Straightening and reduction of the lumbar lordosis
- Relief for the lumbar spine

Features and Benefits
- Anterior spiral springs and exchangeable posterior plastic splints offer excellent stability
- Used for both lumbar and lumbosacral indications
- Easy to apply
- Flexible and breathable material
- Washable

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>3002</td>
<td>S</td>
<td>72 – 80 cm / 28.5 – 31.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>80 – 88 cm / 31.5 – 35.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>88 – 96 cm / 35.5 – 39.5 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>96 – 104 cm / 39.5 – 43.5 in</td>
</tr>
<tr>
<td></td>
<td>XXL</td>
<td>104 – 112 cm / 43.5 – 47.5 in</td>
</tr>
</tbody>
</table>
Dosi EQ Posture Support

Indications
- Postural weakness
- Excessive strain on the thoracic spine muscles
- Pain in the thoracic spine muscles

Results
- Proprioceptive reminder to maintain proper posture

Features and Benefits
- Flexible and breathable material
- Easy to apply
- Inconspicuous under clothing
- Washable

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Waist Circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>3001</td>
<td>XS</td>
<td>56 – 64 cm</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>64 – 72 cm</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>72 – 80 cm</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>80 – 90 cm</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>90 – 100 cm</td>
</tr>
</tbody>
</table>
Philadelphia Cervical Orthosis

Indications
- Cervical root irritation
- Simple and stable fractures
- Postoperative after luxations/luxation fractures
- After halo vest

Results
- Immobilizes the cervical spine
- High stabilizing effect

Features and Benefits
- Ventral and dorsal reinforcements
- Ventilation holes
- Hook-and-loop strap for width adjustment
- Made of Plastazote®
- Lightweight
- Waterproof
- Easy to clean

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size (neck circumference)</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>50C40</td>
<td>S (25 – 30 cm / 10 – 12 in)</td>
<td>6 cm / 2.5 in, 8 cm / 3 in, 11 cm / 4 in, 13 cm / 5 in</td>
</tr>
<tr>
<td></td>
<td>M (33 – 38 cm / 13 – 15 in)</td>
<td>6 cm / 2.5 in, 8 cm / 3 in, 11 cm / 4 in, 13 cm / 5 in</td>
</tr>
<tr>
<td></td>
<td>L (41 – 46 cm / 16 – 18 in)</td>
<td>6 cm / 2.5 in, 8 cm / 3 in, 11 cm / 4 in, 13 cm / 5 in</td>
</tr>
</tbody>
</table>
Necky Forte Cervical Orthosis

Indications
- Cervical syndrome
- Hypermobility
- Rheumatic problems
- Excessive strain on the neck muscles
- Whiplash injuries
- Degenerative changes of the cervical spine

Results
- Warming effect
- High-support function
- Limits movement

Features and Benefits
- Integrated, flexible plastic reinforcement
- Anatomically shaped
- Recess for chin and larynx
- Circumference can be adjusted from 37 – 50 cm (14.5 – 20 in) with the hook-and-loop closure
- High wearing comfort
- Washable

The cover consists of high-quality microfiber that is woven into the fabric.

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Neck height</th>
</tr>
</thead>
<tbody>
<tr>
<td>50C30</td>
<td>8 cm / 3 in</td>
</tr>
<tr>
<td></td>
<td>10 cm / 4 in</td>
</tr>
<tr>
<td></td>
<td>12 cm / 5 in</td>
</tr>
</tbody>
</table>

Color selection: champagne (0) and blue (5). Please indicate color when ordering.
Necky Cervical Orthosis

Indications
- Cervical syndrome
- Hypermobility
- Rheumatic problems
- Excessive strain on the neck muscles
- Whiplash injuries
- Degenerative changes of the cervical spine

Results
- Warming and supportive
- Limits movement

Features and Benefits
- Anatomically shaped
- Recess for chin and larynx
- Circumference can be adjusted from 37 – 50 cm (14.5 – 20 in) with the hook-and-loop closure
- Comfortable
- Washable

The cover consists of high-quality microfiber that is woven into the fabric.

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Neck height</th>
</tr>
</thead>
<tbody>
<tr>
<td>50C20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 cm / 3 in</td>
</tr>
<tr>
<td></td>
<td>10 cm / 4 in</td>
</tr>
<tr>
<td></td>
<td>12 cm / 5 in</td>
</tr>
</tbody>
</table>

Color selection: champagne (0), blue (8). Please indicate color when ordering.
Omo Immobil
– Shoulder Support –

Shoulder Abduction & External Rotation Control in One

- Easily adapts for left or right shoulder, which helps you reduce stock volume
- Five abduction angles options: 0°, 15°, 30°, 60° or 90°
- Three external rotation options: 10°, 20° or 30°
- Simplified patient fittings because there are no tools required
- Low profile, slim design
- Breathable, washable, removable cover for increased patient compliance
- Waist belt reduces load of the shoulder strap on the neck for greater patient compliance
- External rotation can be used in any combination with all abduction angles

The Omo Immobil gives you a single solution for patients who need precise shoulder positioning due to multiple surgical and non-surgical indications. The Omo Immobil makes it simple to provide abduction and external rotation so you have the options you need in a single Orthosis. In addition to its wide array of applications, the Omo Immobil’s comfortable design helps increase patient compliance.
Omo Immobil

Indications
- Rotator cuff surgery
- Non-operative treatment of anterior shoulder dislocation
- Subacromial decompression
- Total shoulder Arthroplasty
- Bankhart repairs

Omo Immobil External Rotation Set
29A222 - All indications requiring immobilization of the shoulder at 10°, 20° or 30° of external rotation

Sizing Chart
The size of the orthosis is selected according to body height.

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Body height</th>
</tr>
</thead>
<tbody>
<tr>
<td>50A10=</td>
<td>S</td>
<td>150 – 165 cm / 58.8 – 64.5 in</td>
</tr>
<tr>
<td>50A10=</td>
<td>M</td>
<td>165 – 175 cm / 64.5 – 68.5 in</td>
</tr>
<tr>
<td>50A10=</td>
<td>L</td>
<td>175 cm / 68.5 in</td>
</tr>
<tr>
<td>29A222</td>
<td>S, M, L</td>
<td>External Rotation Set</td>
</tr>
<tr>
<td>29A225</td>
<td>Universal</td>
<td>Hand Exercise Ball</td>
</tr>
</tbody>
</table>
Omo Immobil Sling

**Indications**
All indications requiring immobilization of the shoulder joint in an internal rotation position, e.g.:
- Post-operative and post-traumatic immobilization of the shoulder joint
- Soft tissue injuries
- Muscle and tendon
- Frozen shoulder
- Conservative treatment in case of AC joint separation

**50A8 Sling**
- Holds the arm securely in place close to the body
- Immobilizes the shoulder joint in an internal rotation position

**50A9 Sling with abduction**
- Immobilization and relief of the shoulder joint in 15° abduction position
- Abduction cushion that attaches through hook and loop connection
- Comfortable positioning of the arm in 15° abduction position
- Anatomically shaped contour
- Individual adjustment of external and internal rotation position
- Light weight

**Features and Benefits**
- User-friendly closures
- Skin-friendly fabrics
- Soft material
- Breathable
- Washable
- Individually adjustable for optimal fit
- Positional thumb grip
- Can be applied to the left or right arm

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>50A8/50A9</td>
<td>S</td>
<td>29 – 34 cm / 11.5 – 13 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>35 – 37 cm / 13 – 14.5 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>38 – 41 cm / 14.5 – 16 in</td>
</tr>
</tbody>
</table>
Acro ComforT Shoulder Support

Indications
- Degenerative effects on the shoulder joint
- Tendomyopathies of the shoulder
- Strains of shoulder muscles
- Acute irritations
- Minor shoulder instabilities
- Postoperative (especially after arthroscopic surgery)
- Oamarthrosis

Results
- Supports and relieves the shoulder joint
- Directional straps allow you to individually restrict shoulder movement

Features and Benefits
- Made of comfortable, thermo-regulative material
- Anatomic design eases application and optimal fit
- Integrated silicone band for improved grip to prevent sliding of the orthosis
- Directional straps to individually adjust to the requested mobility settings
- 5 sizes
- Universal to the left or right side

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Upper arm circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>5055</td>
<td>XS</td>
<td>24 – 28 cm / 9.5 – 11 in</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>28 – 32 cm / 11 – 12.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>32 – 35 cm / 12.5 – 14 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>35 – 38 cm / 12.5 – 15 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>38 – 42 cm / 14 – 16.5 in</td>
</tr>
</tbody>
</table>
Shoulder Support

Indications
- Degenerative effects on the shoulder joint
- Tendomyopathies of the shoulder
- Strains of shoulder muscles
- Acute irritations
- Minor shoulder instabilities
- Postoperative (especially after arthroscopic surgery)
- Omarthrosis

Results
- Supports and relieves the shoulder joint
- Thermoprene® material keeps the shoulder muscles warm

Features and Benefits
- A hook-and-loop closure allows for shoulder-width adjustment
- 5 sizes
- Universal to the left or right side

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Upper arm circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>7126</td>
<td>XS</td>
<td>24 – 28 cm / 9.5 – 11 in</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>28 – 32 cm / 11 – 12.5 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>32 – 35 cm / 12.5 – 14 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>35 – 38 cm / 14 – 15 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>38 – 42 cm / 15 – 16.5 in</td>
</tr>
</tbody>
</table>
Epi Forsa Plus

Indications
- Epicondylitis humeri radialis (tennis elbow)
- Epicondylitis humeri ulnaris (golfer’s elbow)

Results
- Targeted and controlled compression on the forearm muscles
- Reduces load on the tendon insertions

Features and Benefits
- Optimal distribution of pressure due to stable, soft-padded plastic core
- Pad provides precise localized compression
- Universal to the left or right side
- Flexible band provides dynamic, continuous regulation of pressure
- Hook-and-loop closure allows for continuous adjustment
- Universal size

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>50A3</td>
<td>universal</td>
</tr>
</tbody>
</table>

1.800.RENT.CPM
Epi Flex Epicondylitis Brace

Indications
- Epicondylitis humeri radialis (tennis elbow)
- Epicondylitis humeri ulnaris (golfer’s elbow)

Results
- Targeted and dosed compression of the forearm muscles
- Relieves pressure on the tendonous muscle insertions

Features and Benefits
- Preformed plastic brace with comfortable Thermoprene liner
- Buckle allows for easy application
- Continuously adjustable
- Universal to the left and right side

Material no. | Size | Circumference 5 cm (2 in) below elbow
--- | --- | ---
4801 | S | 24 – 25 cm / 9.5 – 10 in
| M | 26 – 27 cm / 10 – 10.5 in
| L | 28 – 29 cm / 11 – 11.5 in
| XL | 30 – 31 cm / 12 – 12.5 in
Hyper Ex Elbow Support

Indications
- Ligament injuries in the elbow joint, instabilities or hyperextension

Results
- Prevents hyperextension of the elbow joint

Features and Benefits
- Elbow support made of thermoprene
- Bilateral polycentric joints provide stability to the elbow joint
- Anterior cross-straps can be individually adjusted to limit the amount of extension while flexion is not restricted
- 5 sizes
- Universal to the left and right sides

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Size</th>
<th>Circumference above elbow</th>
</tr>
</thead>
<tbody>
<tr>
<td>3005</td>
<td>XS</td>
<td>21 – 23 cm / 9 – 10 in</td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>23 – 25 cm / 10 – 11 in</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>25 – 28 cm / 11 – 12 in</td>
</tr>
<tr>
<td></td>
<td>L</td>
<td>28 – 31 cm / 12 – 13 in</td>
</tr>
<tr>
<td></td>
<td>XL</td>
<td>31 – 33 cm / 13 – 14 in</td>
</tr>
</tbody>
</table>
Diagonal Thumb Support

Indications
- Chronic, post-traumatic or postoperative irritations in the area of the thumb saddle joint
- Rhizarthrosis

Results
- Stabilizes the CMC and MCP joints

Features and Benefits
- Fabric made of viscose and rubber
- Diagonal design provides support and proper fit
- Removable splint

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4026</td>
<td>left</td>
<td>right</td>
<td>XS</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>M</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>L</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>XL</td>
</tr>
</tbody>
</table>
Rhizo Forsa Thumb Orthosis

Indications
- Injury to the collateral ligaments of the first metacarpophalangeal joint (e.g., skier's thumb)
- Distortions
- Irritations and wear in the area of the thumb saddle joint and the first metacarpophalangeal joint (e.g., rhizarthritis)

Results
- Stabilizes the first metacarpophalangeal joint and the thumb saddle joint

Features and Benefits
- High stability with interior plastic core that can be shape-adapted if desired
- Slim and lightweight construction
- Made with soft, skin-friendly and comfortable textile material
- User-friendly hook-and-loop closures
- The reversing loop can be easily repositioned during fitting

Material no. | Side  | Size | Wrist circumference
--- | --- | --- | ---
50A4  | left | right | S  | 13 – 16.5 cm / 5 – 6.5 in
      | left | right | M  | 16.5 – 20.5 cm / 6.5 – 8 in
Thumboform Thumb Support

Indications
- Instabilities of the CMC and MCP joints
- Irritations in the CMC and MCP joints
- Arthrosis, tendonitis
- After thumb luxations and subluxations, after ulnar collateral ligament lesion (skier’s thumb)

Results
- Stabilization and support of the thumb

Features and Benefits
- Made of Thermoprene
- Thumb grip is individually adjustable
- Thermoplastic insert is heat moldable, using hot water, to individually shape the orthosis, enabling a precise fit, maximum comfort and support
- Available in 5 sizes
- Available in three wrist lengths:
  - 4084 Short
  - 4085 Medium
  - 4086 Extra Long

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4084/</td>
<td>left</td>
<td>right</td>
<td>XS</td>
</tr>
<tr>
<td>4085/</td>
<td>left</td>
<td>right</td>
<td>S</td>
</tr>
<tr>
<td>4086</td>
<td>left</td>
<td>right</td>
<td>M</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>L</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>XL</td>
</tr>
</tbody>
</table>

*4084, 4085, 4086 refer to length of orthosis
Rheuma Flex Wrist Support

Indications
- Chronic diseases, e.g., rheumatoid arthritis
- Hypermobility, instability of the wrist
- Tendinopathies and wrist irritations
- Post-traumatic or postoperative support

Results
- Stabilization and support of the wrist

Features and Benefits
- Designed especially for patients suffering from rheumatic conditions of the wrist
- Contour-sewn anatomical design enables a precise fit
- Made of soft, skin friendly, breathable material that is lined with microfleece for enhanced comfort
- Patient-friendly hook and loop closures make it easy for patients to apply the support themselves
- Adjustable thumb grip
- Thermoplastic soft splint is heat moldable, using hot water, to individually shape the orthosis

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4024</td>
<td>left</td>
<td>XS</td>
<td>14 – 14.5 cm / 5.5 – 6 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>S</td>
<td>14.5 – 15.5 cm / 6 – 6.5 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>M</td>
<td>15.5 – 17 cm / 6.5 – 7 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>L</td>
<td>17 – 18.5 cm / 7 – 7.5 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>XL</td>
<td>18.5 – 20 cm / 7.5 – 8 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>XXL</td>
<td>20 – 21.5 cm / 8 – 8.5 in</td>
</tr>
</tbody>
</table>
Rheuma Wrist & Thumb Support

**Indications**
- Chronic diseases, e.g., rheumatoid arthritis
- Hypermobility, instability of the wrist and thumb
- Tendinopathies and irritations of the wrist and thumb
- Post-traumatic or postoperative support

**Results**
- Stabilization and support of the wrist and thumb

**Features and Benefits**
- Designed especially for patients suffering from rheumatic conditions of the wrist and thumb
- Made of soft, skin friendly, breathable material that is lined with microfleece for enhanced comfort
- Patient-friendly hook and loop closures make it easy for patients to apply the support themselves
- Adjustable thumb opening
- Includes radial coil spring that provides extra support to the thumb
- Thermoplastic splint is heat moldable, using hot water, to individually shape the orthosis
- Soft, very thin lining under straps helps to relieve pressure and allows the support to slide on like a glove

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4025</td>
<td>left</td>
<td>right</td>
<td>XS</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>M</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>L</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>XL</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>right</td>
<td>XXL</td>
</tr>
</tbody>
</table>
Manu ComforT & ComforT Stable Wrist Support

Indications
- Acute and chronic irritations in the wrist area
- Wrist distortions
- Carpal tunnel syndrome
- Conservative treatment of tendonitis
- Radial nerve paralysis
- Ligament injuries of the wrist

Results
- Provides high stabilization of the wrist by means of an anatomically preformed volar splint and narrow ulnar and radial springs as well as a wrap-around strap

Features and Benefits
- Comfortable, innovative, thermo-regulative, soft material (phase change material)
- Three wraparound hook and loop straps facilitate application and optimum adjusting of the wrist support
- Netting allows good ventilation for the hand
- 4055 Manu ComforT comes with a medium-strong splint. 4058 Manu ComforT Stable comes with a rigid splint.
- The brace is one and a half inches longer—compared to 4055—thereby providing more stability to the hand and wrist

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4055</td>
<td>left</td>
<td>XS – S</td>
<td>13 – 16 cm / 5 – 6.5 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>M – L</td>
<td>16 – 19 cm / 6.5 – 7.5 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>XL – XXL</td>
<td>19 – 23 cm / 7.5 – 9 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4058</td>
<td>left</td>
<td>XS – S</td>
<td>13 – 16 cm / 5 – 6.5 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>M – L</td>
<td>16 – 19 cm / 6.5 – 7.5 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>XL – XXL</td>
<td>19 – 23 cm / 7.5 – 9 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Wristoform Wrist Support

Indications
- Post scaphoid fractures, tendonitis, epicondylitis, carpal tunnel syndrome
- General instabilities or hyperextension problems of the wrist

Results
- Provides high degree of stabilization of the wrist by means of an anatomically preformed volar splint as well as an integrated thermoplastic dorsal splint

Features and Benefits
- Includes a dynamic plastic splint (firm) on the volar side plus a thermoplastic reinforcement on the dorsal side
- The thermoplastic insert is heat moldable, using hot water, to individually shape the orthosis, enabling a precise fit, maximum comfort and support
- The thermoplastic insert is held in a pocket and can be removed to change from a high degree of stabilization to a high degree of support
- Made of Thermoprene® for optimal comfort

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Wrist circumference</th>
</tr>
</thead>
<tbody>
<tr>
<td>4088</td>
<td>left</td>
<td>XS</td>
<td>14.5 cm / 5 – 5.5 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td>S</td>
<td>15.5 cm / 5.5 – 6.5 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>M</td>
<td>17 cm / 6.5 – 7 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td>L</td>
<td>18.5 cm / 7 – 7.5 in</td>
</tr>
<tr>
<td></td>
<td>left</td>
<td>XL</td>
<td>20 cm / 7.5 – 8.5 in</td>
</tr>
<tr>
<td></td>
<td>right</td>
<td>XXL</td>
<td>21.5 cm / 8.5 – 9.5 in</td>
</tr>
</tbody>
</table>
Manu Immobil Hand Orthosis

Indications
- Following wrist, carpal or metacarpal surgery
- Functional therapy in cases of acute irritations
- Wrist arthrosis
- Severe distortions, luxations and fractures
- Postoperative and post-traumatic immobilization

Results
- Immobilization of the wrist and hand in a functional position

Features and Benefits
- Lightweight
- Washable pads and straps
- Universal size
- SpaceTex® ensures high comfort and excellent padding qualities

SpaceTex
- Breathable
- High compression recovery
- High wearing comfort

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>50P10</td>
<td>left</td>
<td>right</td>
</tr>
</tbody>
</table>
Whereas static progressive orthoses apply static force to the joint, dynamic ROM orthoses use a spring mechanism to apply a lesser degree of force to the affected joint for an extended period of time. In general, treatment sessions last approximately 8 hours per day over a period of 3 to 5 months, or as indicated by the physician or therapist.

The choice of therapy, based on indication and preferred application, is yours.

Static Progressive Orthosis

Static progressive orthoses allow the joint to be stretched past its active end range and held at that position. In general, treatment sessions last for a minimum of 30 minutes three times per day over a period of 2 to 3 months, or as indicated by the physician or therapist.

Dynamic ROM Orthosis

Our orthotic line of static and dynamic orthosis enhance continuous passive motion (CPM) and other range of motion (ROM) restoring therapies. We offer solutions for the ankle, knee, elbow and hand/wrist in our family of braces. We offer both static progressive and dynamic ROM orthoses a single patient use or as rental devices.
Indications
• Soft tissue contractures
• Joint stiffness
• Limited range of motion

Results
• Stretching the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
• Can assist both flexion and extension of the knee
• Easy to set, adjust and release tension
• Malleable cuffs for custom fitting
• Self-wicking liner helps keep skin dry
• Cuffs can be trimmed for universal sizing

---

Indications
• Soft tissue contractures
• Joint stiffness
• Limited range of motion

Results
• Stretching the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
• Can assist both flexion and extension of the elbow or wrist
• Easy to set, adjust and release tension
• Malleable cuffs for custom fitting
• Self-wicking liner helps keep skin dry
• Cuffs can be trimmed for universal sizing

---

**Static / Progressive Knee**

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>50K17=L</td>
<td>left</td>
<td>universal</td>
</tr>
<tr>
<td>50K17=R</td>
<td>right</td>
<td>universal</td>
</tr>
</tbody>
</table>

**Static / Progressive Pronation / Supination**

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>50P17</td>
<td>universal</td>
<td>universal</td>
</tr>
</tbody>
</table>
Indications
- Soft tissue contractures
- Joint stiffness
- Limited range of motion

Results
- Stretching the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
- Can assist both flexion and extension of the elbow
- Easy to set, adjust and release tension
- Malleable cuffs for custom fitting
- Self-wicking liner helps keep skin dry
- Cuffs can be trimmed for universal sizing

Static / Progressive Elbow

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>50A6=L</td>
<td>left</td>
<td>universal</td>
</tr>
<tr>
<td>50A6=R</td>
<td>right</td>
<td>universal</td>
</tr>
</tbody>
</table>

Static / Progressive Wrist

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>50P16=L</td>
<td>left</td>
<td>universal</td>
</tr>
<tr>
<td>50P16=R</td>
<td>right</td>
<td>universal</td>
</tr>
</tbody>
</table>
Indications
• Plantar flexion contractures
• Joint stiffness
• Limited range of motion

Results
• Low-load prolonged stretching the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
• Can assist dorsiflexion of the ankle
• Applies downward force on heel to simulate therapy
• Easy to set, adjust and release tension
• Malleable cuffs for custom fitting
• Soft self-wicking liner to keep skin dry
• Adjustable for inversion and eversion
• Gripflex sole for ambulation

---

Dynamic Elbow

Indications
• Soft tissue contractures
• Limited range of motion
• Joint stiffness

Results
• Low-load prolonged stretching of the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
• Can assist both flexion and extension of the elbow
• Easy to set, adjust and release tension
• Malleable cuffs for custom fitting
• Self-wicking liner helps keep skin dry
• Cuffs can be trimmed for universal sizing

---

Dynamic Ankle

Indications
• Soft tissue contractures
• Limited range of motion
• Joint stiffness

Results
• Low-load prolonged stretching the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
• Can assist dorsiflexion of the ankle
• Applies downward force on heel to simulate therapy
• Easy to set, adjust and release tension
• Malleable cuffs for custom fitting
• Soft self-wicking liner to keep skin dry
• Adjustable for inversion and eversion
• Gripflex sole for ambulation

---

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>50S4=P</td>
<td>universal</td>
<td>XS</td>
<td>foot length 5 ¼ in – 6 ½ in</td>
</tr>
<tr>
<td>50S4=S</td>
<td>universal</td>
<td>S</td>
<td>foot length 6 ¾ in – 7 ¾ in</td>
</tr>
<tr>
<td>50S4=M</td>
<td>universal</td>
<td>M</td>
<td>foot length 8 in – 9 in</td>
</tr>
<tr>
<td>50S4=L</td>
<td>universal</td>
<td>L</td>
<td>foot length 9 ¼ in +</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>50A5=L-S/M</td>
<td>left</td>
<td>S/M</td>
<td>bicep circ. 9 in – 12 in</td>
</tr>
<tr>
<td>50A5=R-S/M</td>
<td>right</td>
<td>S/M</td>
<td>bicep circ. 9 in – 12 in</td>
</tr>
<tr>
<td>50A5=L-M/L</td>
<td>left</td>
<td>M/L</td>
<td>bicep circ. &gt; 12 in</td>
</tr>
<tr>
<td>50A5=R-M/L</td>
<td>right</td>
<td>M/L</td>
<td>bicep circ. &gt; 12 in</td>
</tr>
</tbody>
</table>
Indications
- Soft tissue contractures
- Joint stiffness
- Limited range of motion

Results
- Low-load prolonged stretching of the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
- Can assist both flexion and extension of the knee
- Easy to set, adjust and release tension
- Soft foam softgoods

---

Dynamic Knee

<table>
<thead>
<tr>
<th>Material no.</th>
<th>Side</th>
<th>Size</th>
<th>Measurement</th>
</tr>
</thead>
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Indications
- Soft tissue contractures
- Joint stiffness
- Limited range of motion

Results
- Low-load prolonged stretching of the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
- Can assist both flexion and extension of the knee
- Easy to set, adjust and release tension
- Soft foam softgoods

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Dynamic Wrist

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Indications
- Soft tissue contractures
- Joint stiffness
- Limited range of motion

Results
- Low-load prolonged stretching of the connective tissue in order to permanently maintain, increase or restore range of motion

Features and Benefits
- Can assist both flexion and extension of the wrist
- Easy to set, adjust and release tension
- Malleable cuffs for custom fitting
- Self-wicking liner to keep skin dry
- Range of motion stops
- Tension-limiting control
Just call 1.800.RENT.CPM…
We have a passion for motion and a commitment to service—whenever and wherever you need it. To order any of our products or services you can contact your local sales representative by simply calling 1.800.RENT.CPM. (1.800.736.8276). Our nationwide direct sales and service organization, one of the largest in orthopedic rehabilitation, and our certified patient representatives provide unparalleled service to physicians, patients and our provider partners.

You can also contact your local rep via email; simply log onto our website at www.ottobockus.com for more information.

Physicians and Health Plan Payors.
Otto Bock provides reimbursement services for all of the products that we supply. This includes pre-service authorization and patient advocacy through our patient liaisons and insurance-claims submission process. Our goal is to get patients back to motion with the best equipment, products and services available.

To help ensure that patients are getting the best benefits they can, Otto Bock partners with managed care and health plan payors nationwide. Controlling costs while helping to improve outcomes allows patients and payors to get the maximum benefits for their insurance dollar.

National Accounts
To reach our National Accounts toll-free, call 1.800.788.8372.
Otto Bock delivers specialty rehabilitation products and services better than anyone—nationwide. Many of our managed care partners order services for patients throughout the U.S. To help keep order placements fast and accurate, Otto Bock has a special one-call solution to get orders placed nationwide. These orders can be placed live, via phone, or by fax; or they can be submitted online through our secure internet or via data transfer. We put our technology and infrastructure to work to provide a single optimum solution for patients nationwide. For more information on our national account partners, please contact our corporate office and ask for managed care sales.

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Otto Bock is happy to take orders from our commercial accounts via our website, www.ottobockus.com, or through our customer service department. Orders for products that are to be reimbursed by an insurer or those that require a physician’s prescription should be placed through our field representatives by calling 1.800.RENT.CPM.

To reach our customer service department, call toll-free:
• Monday – Friday
  6:00 a.m. – 4:30 p.m. MST
• Phone: 800.225.1814
• Fax: 866.422.2599
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