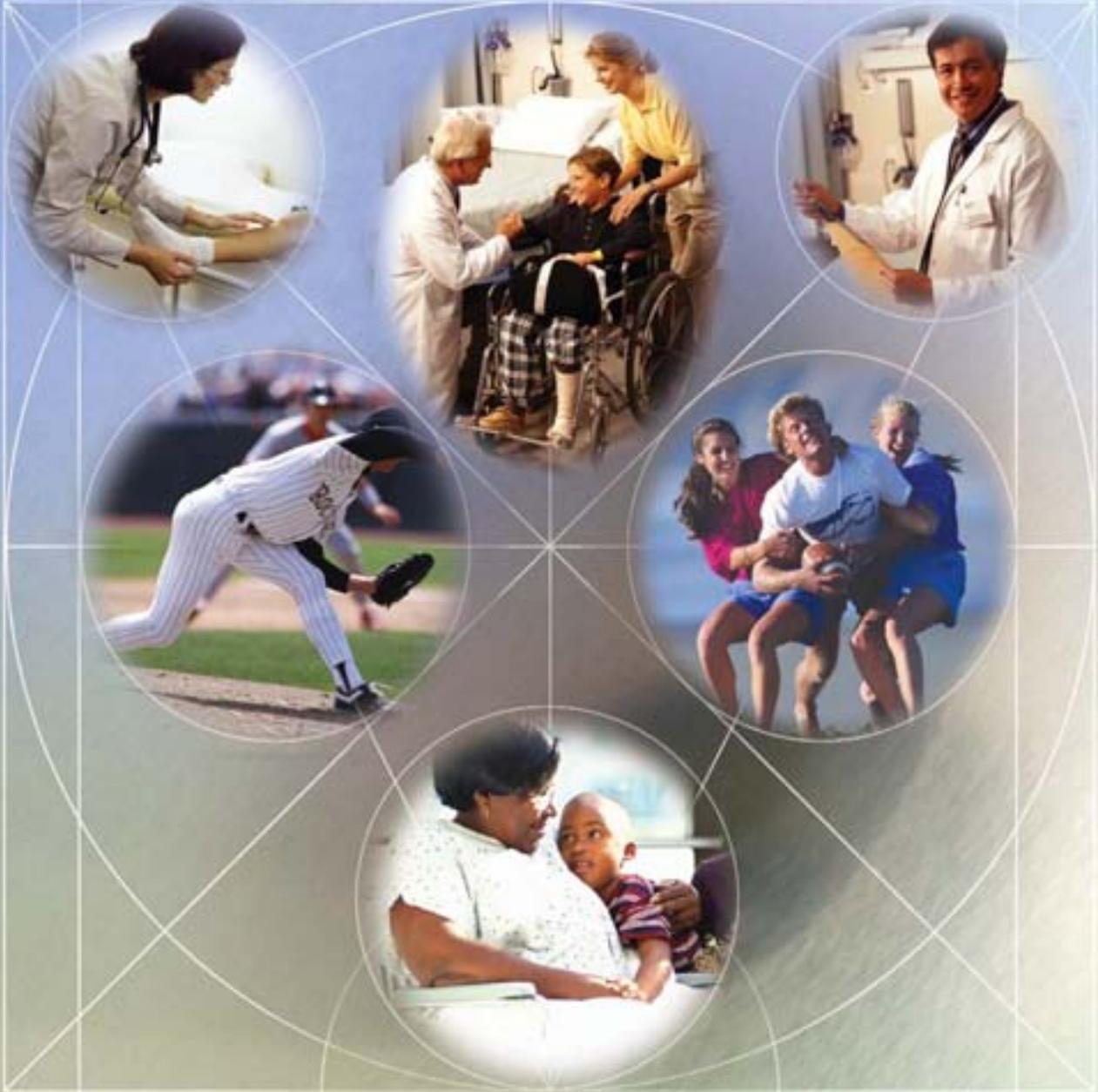


*Innovative Patient Care Products  
Designed for Advanced Care*



**DM**  
SYSTEMS  
I N C

## Original Heelift® Suspension Boot

For non-edematous legs and patients who prefer a cooler option

As the occurrence of heel pressure ulcers escalates due in part to an aging population and increased frequency of obesity-related diseases, the need for a cost-effective solution to pressure ulcers becomes imperative.

Heelift Suspension Boot, designed by orthopedic surgeons specifically for prevention and treatment of heel pressure ulcers, effectively eliminates heel pressure by suspending the heel in air, promoting pressure relief and faster healing. Heelift is made from soft, firm medical grade convoluted foam, which promotes increased air circulation for patient comfort.

Heelift is ideal for use with at risk patients who are immobile or post-operative or who suffer from diabetes, cardiovascular disease or dietary deficiencies. Other indications for use are foot drop, flaccid paralysis (non-spastic), and pre- and post-operative hip fractures and skin grafts.

### Features:

Heelift has added design features for more comfort, support, and easier, one-handed closure. Extended stitching along the top rim narrows the forefoot, increasing the support to give improved protection against foot drop, equinus deformity or heel cord contracture. Two non-abrasive, soft straps with D-ring closures permit easy adjustment of strap tension while eliminating potential skin irritation.

### Other features include:

- Latex-Free
- Friction-free tricot backing for improved patient mobility
- Extra pad to control hip rotation or foot drop or to provide added elevation
- Polyurethane stiffener to prevent buckling
- One size fits all



## Heelift® Smooth Suspension Boot

For edematous legs and patients with hyper-sensitive skin

Heelift Smooth suspension boot is made from a soft, firm medical grade foam with an interior that is completely smooth. For patients with edematous legs or very sensitive skin, the smooth foam minimizes the chance for irritation or pressure points. Heelift Smooth gently cradles, cushions and elevates the lower leg, while suspending the heel in protective space. Promotes faster healing and heel pressure sore prevention.



# A Cost-Effective, Zero Pressure Method

# For Prevention & Treatment of Heel Pressure Ulcers . . .



D-Ring closures (positioned on other side of boot) allow easier adjustment of straps



Heelift® Original and Smooth Patent No. 5449339 Additional patents pending. Suggested Code: E0191



Pressure is eliminated as the heel is suspended in protective space.



Walking short distances is permitted. If walking long distances, do so ONLY WITH ASSISTANCE.



The extra pad (included with either Heelift® Suspension Boot) can be used as an aid to prevent foot drop (left) or to help prevent hip rotation (center). The smooth tricot backing (right) provides a friction-free surface to facilitate patient movement. Customize the removable pad as shown above (far right); a two- to four-inch wedge can be removed if Achilles tendon erythema occurs.

### Easy Care Instructions

Machine washing, either the Heelift, Heelift Smooth or Heelift Traction Boot, in a standard washer/dryer is acceptable. Close the Velcro® straps and place the boot into a net laundry bag prior to machine washing and drying. Adhesive may be degraded.

NOTE: When washing the Heelift Traction Boot, remove traction device first.



# Heelift® Suspension Boots

## For Proven Treatment and Prevention

As part of its ongoing performance evaluation of Heelift Suspension Boots, DM Systems gathers input from professionals who volunteer to participate in product assessment. The participants—nurses, physicians, physical therapists and other medical professionals—measure product performance with the assistance of a standardized questionnaire combined with patient feedback. Results from the most recent evaluation indicate that 83% of participants said Heelift worked better than their current pressure relief device while 88% plan to recommend that Heelift be made part of their facility's regimen.

The evaluation includes assessing Heelift as both an aid to heel ulcer prevention (top chart) as well as an aid in heel ulcer treatment (bottom chart).

### Evaluation of Heelift® Boots as an Aid to Heel Ulcer Prevention

	% OF TOTAL RESPONDENTS PER RATING					
	Excellent v.	iv.	Good iii.	ii.	Poor i.	No Answer*
Overall comfort	29%	32%	15%	2%	0%	22%
Feel of material against skin	29%	33%	13%	2%	0%	23%
Ease of patient removal	29%	29%	14%	4%	0%	24%
Heel pressure relief	44%	32%	12%	0%	1%	11%
Ease of patient movement	29%	31%	17%	4%	2%	17%
Doesn't promote heat buildup	26%	27%	24%	1%	3%	19%
Stays in position	30%	36%	19%	2%	1%	12%
Reduces friction	37%	37%	12%	0%	2%	13%

\*Percentage of patients unable to respond

### Evaluation of Heelift® Boots as an Aid to Heel Ulcer Treatment

	% OF TOTAL RESPONDENTS PER RATING					
	Excellent v.	iv.	Good iii.	ii.	Poor i.	No Answer*
Overall comfort	30%	32%	21%	3%	0%	13%
Feel of material against skin	22%	30%	18%	2%	0%	27%
Ease of patient removal	27%	24%	15%	2%	2%	30%
Heel pressure relief	41%	29%	11%	3%	1%	15%
Ease of patient movement	21%	30%	20%	8%	2%	19%
Doesn't promote heat buildup	24%	24%	22%	7%	2%	22%
Stays in position	28%	30%	23%	5%	1%	13%
Accommodates wound dressing	43%	39%	15%	1%	0%	2%

\*Percentage of patients unable to respond

## Pressure Mapping Test Results

DM Systems commissioned a study of leading heel pressure relief devices to ascertain the effectiveness of each in minimizing pressure to the heel.

A 16-sensor, 2" x 2" FSA (force sensing array) sensor pad was carefully affixed to the left heel of two subjects and was kept in the same position throughout the studies on three foam type pressure reduction mattresses and many available foot positioners and heel protectors. Pressures were measured with the subjects relaxed supine, with the knee flexed 30 degrees unsupported after flexing and extending three times, and with the knee supported at 30 degrees with a pillow.

The FSA pad was calibrated at 0-100 in mm of Hg, and the studies were carried out at Advanced Therapeutics of Wisconsin. The data gave maximum and average pressures from the closely spaced, 16-sensor array.

### Pressure Mapping of the Heel - Supine

NOTE: Subject patient was 6' 3" tall and weighed 220 lbs.

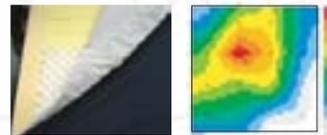
#### Heelift® Suspension Boot

Sensors included 15  
Variation coefficient 63.7%  
Standard deviation 1.47  
Average pressure 2.3  
Maximum pressure 5.9  
Center of pressure 2.7, 2.5



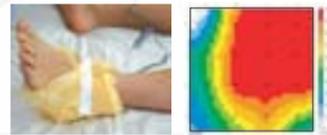
#### Pressure Reduction Mattress

Sensors included 16  
Variation coefficient 59.7%  
Standard deviation 26.8  
Average pressure 44.8  
Maximum pressure 100  
Center of pressure 2.2, 2.2



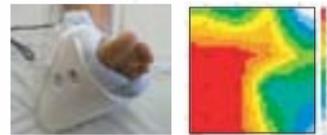
#### Heel Protector

Sensors included 16  
Variation coefficient 36.4%  
Standard deviation 28.2  
Average pressure 77.5  
Maximum pressure 100  
Center of pressure 2.8, 2.4



#### Heel Pillow

Sensors included 16  
Variation coefficient 40.5%  
Standard deviation 28.1  
Average pressure 69.4  
Maximum pressure 100  
Center of pressure 2.1, 2.5



# Elbowlift® Suspension Pad

## For prevention of elbow injury and discomfort

Protecting the sensitive olecranon and olecranon bursa from friction burns and contusions can be a challenge. Elbowlift Suspension Pad offers a latex-free, effective solution. Elbowlift cushions and elevates the elbow to minimize surface contact. Protects against olecranon bursitis, ulnar neuritis, pressure pain and ulcers, and skin injury.



Patent No. 6216268  
Suggested Code: E0191

CE



Adjustable, cushioned hook-and-loop strap wraps around arm to keep pad in place.



Smoother, non-friction backing for improved patient movement.



Center hole allows for greater patient comfort and functions as a placement guide.

## Heelift® Traction Boot

For stabilizing pre-surgical fractures

Heelift Traction Boot provides an inventive method of applying skin traction to help stabilize femur fractures prior to surgery. With up to ten pounds straight skin traction for fracture pain relief, latex-free Heelift Traction Boot helps prevent heel and lateral malleolar ulcers and avert peroneal nerve pressure injury at the fibular head, as well as providing forefoot support to avoid heel cord contracture. During the pre-surgical period when the patient lacks the ability to control the leg, Heelift Traction Boot elevates the leg and controls foot drop and rotation.

Once traction is no longer required, the Heelift Traction Boot reveals a hidden benefit. By simply removing the side traction straps, traction bar and rope, the traction boot converts to a Heelift Smooth Suspension Boot. The smooth boot is ideal for eliminating heel pressure, thus minimizing the occurrence of heel pressure ulcers.

**Each Heelift® Traction Boot includes:**

- Customizable foam boot with fixed elevation pad
- Spare pad with adhesive backing to customize the boot for unusual problems
- Velcro® side traction straps
- Removable traction bar and rope

See Easy Care Instructions on Page 3



## GaitKeeper® Cast Shoe

For removable air-cushioned cast protection

GaitKeeper Cast Shoe with cushioned air sole design prevents excessive walking cast wear and reduces impact loading of the injured leg. An enhanced rocker bottom permits a more natural gait while the flexible sole, designed with 45 pockets of air, delivers superior comfort for the cast wearer. GaitKeeper can be easily removed and replaced for the convenience of the wearer. Elastic straps across the top hold the cast shoe firmly in position.

Ideal for long or short casts. Available in 5 sizes (XS, S, M, L, XL). Limited three-month/single patient warranty.



*Cutaway diagram illustrates how air sole design reduces impact.*

CE  
Patent Pending  
Suggested Code: L3260

## CastWalker® Cast Sole

For improved gait and fixed cast protection

*One-size-fits-all CastWalker® is easy to customize by simply trimming to size. A fast-drying, long-lasting adhesive is used to adhere CastWalker® to the bottom of the cast.*

Increased patient mobility and comfort are benefits of CastWalker Cast Sole, an innovative, effective option for use on walking casts. CastWalker allows for a more normal heel-toe motion so wearing a cast becomes less of an impediment to an active lifestyle.

Applies easily to the bottom of a walking cast with fast drying adhesive (included). Universal design permits use on either right or left foot. Available in 3 sizes (S, M, L).



Patent No. 5,433,695  
Suggested Code: L3260  
CE



*Removing the side traction straps, traction bar and rope (above) converts the Heelift® Traction Boot to a Heelift® Smooth Suspension Boot (below) ideal for helping to prevent or treat heel ulcers.*



Patent Pending  
Suggested Code: E0945



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## CastWedge™ Cast Adjuster

### For cast realignment and swelling relief

To prevent the discomfort of post-trauma swelling, CastWedge permits uni- or bi-valving the cast after the initial injury or surgery. Maintains a precise opening in the cast.

For realignment, use CastWedge to make exact adjustments to casted fractures without the inconvenience or cost of replacing the original cast.

- Made of high-impact, non-porous, radiolucent material that will not interfere with X-rays
- Lightweight, inexpensive and available in 5 sizes (10, 15, 20, 25, 30mm)
- Use with plaster or fiberglass casts
- Packaging includes starter set or replacement bags

CE Patent No. 4,372,300  
Suggested Code: Q4050C



## Cadlow™ Shoulder Stabilizer

### For chronic subluxations and sporadic dislocations

Cadlow Shoulder Stabilizer, a dynamic stabilizing brace, allows an athlete to fully function at his/her sport without fear of re-injury. By providing glenohumeral stability while maintaining ROM, Cadlow helps to prevent recurrent shoulder subluxations and dislocations.

The protective pull system facilitates specific muscle contractions gradually throughout the full range of motion. As the athlete's strength increases, the resistance level of the stabilizer should be increased.



- Improved Design! Now initial fitting by licensed health care professional takes less than 15 minutes.
- Easy to put on, comfortable to wear
- Available in S, M, L or XL

Includes compression shorts, harness and resistance tubing

Patent No. 5,163,450  
Suggested Code: L3675



Contact DM Systems for your free CD describing how Cadlow™ works.

Cadlow can be utilized for post-operative protection and strengthening.

In a recent product evaluation survey, 93% of user respondents stated the Cadlow Shoulder Stabilizer reduced the number of subluxations and dislocations.

**NOTE:** It is imperative to slowly build up usage until the user can wear it during activity for 2-3 hours without significant pain or fatigue. Otherwise, the effectiveness of the unit may be diminished.

For optimum stability and rehabilitation the tubing tension should be periodically adjusted as strength increases.



Successfully used by amateur and pro athletes alike in football, basketball, volleyball, tennis, hockey, lacrosse, soccer, rugby, snowboarding and more.

# Adjusticizer® Exercise System

For a full body workout any time, anywhere

Adjustable, inexpensive and portable. All-in-one Adjusticizer allows the user to create a custom exerciser to work the back, chest, shoulders, biceps, triceps, forearms, and legs. Consisting of interchangeable components, Adjusticizer can be configured to fit both the user and the specific exercise, easily handling the work of multiple pieces of fitness equipment at a fraction of the cost.



Adjusticizer® includes one single strength cord, two composite cord adjusters, two handles, two foot/door attachment straps, three spring links and a comprehensive, 64-page exercise manual.

The composite cord adjusters make shortening or lengthening the Adjusticizer® quick and easy. A simple pull on the adjuster permits the user to achieve the desired cord length and resistance.

Cord strengths: Light, Medium, and Tough

Patent Pending  
Suggested Code: A9300  
CE



# AnkleTough® Rehab System

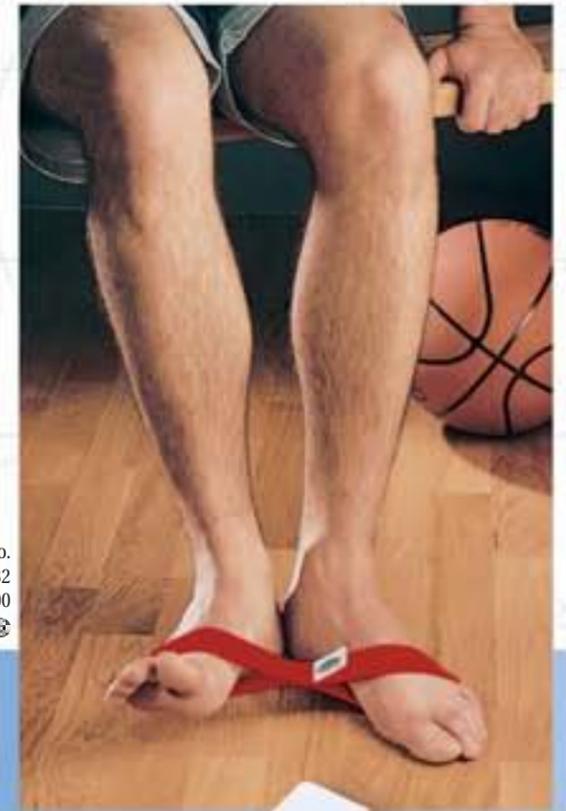
For building stronger ankles

An at-home therapy device designed to strengthen the ankle muscles and tendons. Constructed of heavy duty elastic, AnkleTough tension straps are stitched to form two loops that fit over the shoe or bare foot.

The AnkleTough Rehab System utilizes the tension straps to perform horizontal and vertical stretching exercises. When performed properly, these exercises help patients regain ankle strength and stability after a strain, sprain or ankle fracture. Rehabilitation and strengthening of the ankle after an injury is vital to prevent future injuries.

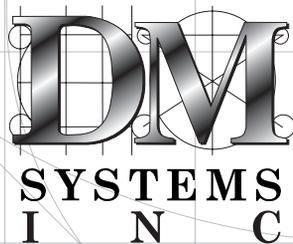
- Available in 4 resistance levels (Light, Medium, Strong, Tough)
- Latex-Free
- Includes exercise instruction guide

Patent No. DES311232  
Suggested Code: A9300  
CE



The original package contains one each of all four progressive resistances. The 8-packs feature all the same resistance. A detailed exercise guide is included in the package.





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