DARCO International

Providing surgical, trauma and wound care solutions to the global foot and ankle community
DARCO is Focused on the Foot & Ankle

- Since its founding in 1985 DARCO has maintained its focus on the foot and ankle and grown to become one of the most widely recognized brands in the global foot and ankle community.

- Every 15 seconds somewhere in the world a foot and ankle specialist prescribes a DARCO product.
DARCO offers a full line of footwear specifically designed to control plantar pressure after surgery or when wounds are present on the foot.
Offloading a wound is key to beginning the healing process. Darco makes several offloading products that allow this important part of the process to begin. Darco products are readily available, offer great value and can be effectively placed on patients and/or modified in minutes. With the rise of diabetes escalating worldwide, the incidence of wounds and ulcerations are increasing as well.

"The most basic, fundamental concept of neuropathic and diabetic foot wound healing is: Foot wounds will not heal if patients walk on them! This is such a simple concept but is so frequently overlooked. Offloading pressure from a focal site and then re-distributing that pressure over the larger foot surface is KEY to management and wound healing."

Myra Varnado
Wound Clinic Manager
LSU Healthcare Systems
New Orleans, LA USA

"With all the treatment options being considered, research has shown and validated extensively that effective offloading is the single most important parameter to incorporate for proper and timely healing of plantar foot ulcers/wounds."

Kevin Brown, DPM
Huntington, WV USA
Darco Wound Care Shoe System

The WCS is the product of choice when dealing with Wagner Grade 2 or greater ulcerations. This is a long term wear shoe for patients with chronic wounds of the foot who are ambulatory. The four multi density insoles of Plastazote, EVA and Poron can be modified to effectively relieve pressure from the plantar aspect of the foot.

• Four Multi Density Insoles allow for the ultimate in customization and precisely targeted offloading.

• Ultra soft Plastazote lining provides friction free contact surface that won't exacerbate existing wounds.

• Genuine leather upper can be modified or cut away to provide even greater levels of pressure relief when needed.

• Sold in pairs to eliminate discrepancies in shoe height and the potential for knee and hip pain associated with leg length discrepancy.

• Slight rocker sole in the forefoot and heel areas eliminates pressure strikes.
**DARCO MedSurg™**

- Designed with more of a rocker outsole
- Removable foam insole
- Buckle free forefoot closure to eliminate buckle pressure
- Ankle strap to eliminate heel slippage
DARCO OrthoWedge®

- Designed with a wedge outsole for general forefoot off-loading
- Removable foam insole
- Buckle free forefoot closure to eliminate buckle pressure
- Ankle strap to eliminate heel slippage
DARCO HeelWedge®

- Designed with a wedge outsole for general rearfoot off-loading when wounds are present
- Removable foam insole
- Buckle free forefoot closure to eliminate buckle pressure
- Ankle strap to eliminate heel slippage

![Graph showing pressure distribution](image)

- **Post Op Shoe**
- **HeelWedge**

![Shoes comparison](image)
DARCO Ultra Shoe®

The Darco Ultra Shoe was manufactured to be used in the wound care segment. This product has many features that are favorable for the treatment of wounds and ulcerations, all the while coming in at a very economical price point. The Ultra combines a closed toe shoe with an offloading insole. Some of the features are:

• Closed Toe to keep foot and affected area dry and clean

• Raised Toe box for more room, allowing for significant bandaging or gauze.

• Soft Ankle strap for security and comfort

• Square Toe Design - provides wider platform and acts as bumper

• Slight Rocker sole allows for easy ambulation and reduces heel and toe strikes

• The Peg Assist Insole is included - providing excellent offloading in an efficient manner. The Peg allows for easy, area specific offloading without extra modification.

• The Ultra Insole cost is less than half of similar products on the market.

• The Ultra comes in five sizes. Unisex.
DARCO PegAssist® Insole System

- Designed to fit the new DARCO MedSurg™ Shoe
- Removable pegs allow for direct off-loading of pressure
- Suitable both for use in wound care and post op pressure reduction
DARCO PegAssist® with MSQ

- Removal of pegs beneath the 1\textsuperscript{st} MPJ allows for a 60% reduction of peak pressure to 6 PSI and as low as 2 PSI.

- Removal of additional pegs beneath the great toe reduces pressure under the great toe to the 0-2 PSI range.
## Pressure Mapping Results

<table>
<thead>
<tr>
<th>Peak Pressure Levels</th>
<th>Rigid Post Op Shoe</th>
<th>DARCO MSS</th>
<th>DARCO MSQ w/o PEG</th>
<th>DARCO MSQ w/ PEG</th>
<th>OrthoWedge</th>
<th>HeelWedge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcaneus</td>
<td>+25 PSI</td>
<td>21 PSI</td>
<td>17 PSI</td>
<td></td>
<td>25 PSI</td>
<td>14 PSI</td>
</tr>
<tr>
<td>1st MPJ</td>
<td>+25 PSI</td>
<td>19 PSI</td>
<td>15 PSI</td>
<td>6 PSI</td>
<td>8 PSI</td>
<td>25 PSI</td>
</tr>
<tr>
<td>Great Toe</td>
<td>+25 PSI</td>
<td>17 PSI</td>
<td>10 PSI</td>
<td>0-4 PSI</td>
<td>4 PSI</td>
<td>25 PSI</td>
</tr>
</tbody>
</table>

19 PSI
DARCO offers a full line of products for lower leg trauma both in the areas of cast replacement systems and boots specifically design to accommodate casts.
Body Armor® Cast Shoe

The Body Armor® Cast Shoe is specifically engineered to shield the cast from moisture, shock and everyday wear. The shoe is suitable for use with all casting materials and defines modern design.

- EVA unibody design provides unparalleled protection and shock absorption
- Bungee closure system is easy to adjust and effectively secures the cast into the shoe
- Built-in toe guard protects the toes and prevents debris from entering the shoe
- Available in 5 unisex sizes to accommodate a wide range of cast sizes
- Latex free
The SlimLine™ Cast Boot can accommodate fiberglass casts and bulky compression bandages – a versatile, economic choice in cast protection.

- Square toe design acts as a protective bumper and gives the patient more room for easier left/right fit
- Removable forefoot closure can be switched from left to right and accommodates a wide range of cast sizes
- Elasticized upper stretches to provide a custom fit every time
- Rocker sole provides a smooth transition throughout the gait cycle
- Latex free
FXPro™ Walker

The FXPro™ Walker is the lowest profile walker on the market and easily matches the heel height of most shoes. It’s super lightweight, weighing in at less than 2 lbs., and provides quality protection at a value price.

- Low profile sole eliminates the leg length discrepancy caused by most walkers
- Padded liner is ventilated to promote air circulation to keep the leg cool and comfortable
- Anatomically contoured stirrups immobilizes the ankle without causing pressure points
- Shock absorbing insole conforms to the foot for maximum comfort
- Latex free
AirTraveler™ Walker

The AirTraveler™ Walker features an inflatable air bladder to provide compression throughout the lower leg. Patients can easily adjust the compression level with the inflation/deflation system.

- Inflatable air bladder provides a custom fit and a high level of compression to speed healing
- Low profile sole eliminates the leg length discrepancy caused by most walkers
- Anatomically contoured stirrups immobilizes the ankle without causing pressure points
- Shock absorbing insole conforms to the foot for maximum comfort
- Latex free
Body Armor® Walker II

The Body Armor® Walker is one of DARCO’s original walkers and still provides a higher level of compression throughout the lower leg than any other product on the market.

- Flexible shell design provides uniform compression throughout the lower leg to reduce edema and speed healing
- Ski-boot closure system provides a custom fit for every patient
- Removable Plastazote® insole pressure molds to the foot and may be modified to reduce pressure on plantar lesions
- Latex free
Plantar Fasciitis Splints

DARCO offers both dorsal and posterior night splints that provides a specific, sustained stretch to the plantar fascia by loading the windlass mechanism.
The Body Armor® Difference

- **The Body Armor® Night Splint** is the only night splint on the market that provides a specific, sustained stretch to the plantar fascia by loading the windlass mechanism.

- The loading of the windlass mechanism not only provides a specific stretch of the plantar fascia, but also a sustained low load stretch to the Achilles tendon, posterior tibial tendon, deep flexor muscles and calf muscles.
Features & Benefits

- Toe strap dorsiflexes the hallux to provide a specific, sustained stretch to the plantar fascia and a sustained, low load stretch to the Achilles tendon, posterior tibial tendon, deep flexor muscles and calf muscles.

- Loading of the windlass mechanism naturally brings the foot and ankle to a 90° angle to eliminate the “lever effect” and the corresponding pressure on the tibialis tendon.

- The elastic connector ring allows flexure of a user’s foot and toes during the natural stretching that occurs during sleep, returning to the dorsiflexed position when muscles relax.

- Low profile design allows for maximum user comfort and increases patient compliance.

- One-size-fits-all design reduces inventory and ensures the right size is always on hand.
Pneumatic Night Splint

The Pneumatic Night Splint features an integrated air bladder that can be inflated to provide dorsiflexion of all toes to provide a sustained stretch to the plantar fascia.

- Integrated inflation/deflation system allows for customized dorsiflexion of the toes to stretch the plantar fascia
- Rigid posterior shell maintains the foot and ankle at a 90° angle
- Terry Cloth liner is soft, comfortable and absorbent
- Available in 5 sizes
- Latex free
DARCO TAS™ Toe Aligment Splint

The TAS™ Toe Aligment Splint is a cost-effective solution that provides superior post operative toe alignment after Hallux Valgus, Hammer Toe and Tailor’s Bunion procedures.

- Low profile metatarsal band fits easily into most footwear and reduces slippage
- Soft toe straps will not irritate skin
- Special T-strap gently maintains proper alignment for post-procedural healing.
- One size fits all
- Latex free
Ankle Braces and Supports

Innovative ankle brace designs for post-traumatic use and as preventive protection for athletes on the move.
Ankle Braces and Supports

**Web™ Ankle Brace**

The Web Ankle Brace is a true convertible ankle brace that provides unparalleled compression and can go from an acute brace to a sports support by simply taking out the removable ankle stays.

- Removable medial and lateral stays provide controlled restriction of inversion/eversion
- Bungee closure system provides superior compression and allows for adjustments on the run
- Hi Tech Spacer material lining wicks moisture away from skin
- Durable ballistic Nylon shell is breathable and conforms to the ankle for a comfortable fit
- Universal design allows brace to fit either left or right foot by simply reversing the medial and lateral stays
- Latex free
Body Armor® Sport Ankle Brace

The Body Armor® Sport offers complete protection against inversion and eversion of the ankle along with the addition of an innovative Talus strap design to control “Talus Shift” in the ankle.

- Talus shift strap prevents the frontal shift of the talus to provide complete protection of the talo-fibular ligament
- The parallel positioning of the hinge joints allows for physiologically correct movement of the foot
- U-Shaped heel plate is anatomically shaped to the medial/lateral sides of the foot
- Y-Closure strapping system allows straps to be cut to desired length and then re-sealed for best fit
- Latex free
DARCO Stirrup Ankle Brace

• Provides stability without limiting plantar or dorsiflexion

• Low profile, easily fits under footwear

• Easy to adjust straps with hook & loop closures

• Anatomically contoured stirrups restrict motion comfortably
Thank you for your attention!

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