



SR 500 Lumbar Spinal-Air Decompression LSO Brace

Spinal Rehab Solutions introduces the SR 500 Lumbar Spinal-Air Decompression Brace. The unique and innovative design of our brace will provide continuous therapeutic relief on the go that will allow you the freedom to return to a carefree active lifestyle.

The function of the SR 500 is scientific, precise and most of all very simple. Spinal traction is being created as the brace is being inflated. The vertical air cell expansion mechanism decreases the axial loading while increasing the intervertebral disc space by anchoring up underneath the rib cage pushing upwards, and down against the pelvic girdle pushing downwards, stretching the torso vertically, diverting the weight bearing forces away and reducing the pressure within the lumbar spine region, significantly reducing pain levels.

Another unique feature that makes the SR 500 the most versatile brace of its kind is the detachable anterior and posterior rigid panels that are specifically designed for the patient who requires extra spinal stabilization, especially for those who are pre and post surgery. In addition, it is the perfect solution for those patients that cannot tolerate a rigid body jacket yet require the support of one.

As the patient progresses in their active-rehabilitation the need for another device is eliminated as the SR 500 transitions along with their progress by simply removing the detachable rigid panels either one at a time or all together to easily convert to a soft LSO (Lumbar Sacral Orthosis) for greater flexibility.

Spinal decompression reveals promising results for the future, and effective management of patients with all types of disc disease and spinal injuries. With over 2 million patients and physicians currently using our technology, Spinal Rehab Solutions, Inc.® is honored to have the opportunity to assist those who are in need of "Improving Quality Of Life".



Features of our SR 500 Lumbar Spinal-Air Decompression LSO Brace:

- **Treatment For Bulging Disc • Herniated Discs • Degenerative Disc Disease • Spinal Stenosis Sciatica • Spondylolysis • Lumbar Acute / Chronic Sprain**
- **Decreases Axial Loading**
- **Increases Disc Height**
- **Relaxes Muscle Spasms And Muscle Cramps**
- **Powerful 1600 Gauss Medical Magnets**
- **Advanced Tubeless Air Cell Design For Narrow Fit**
- **For Strenuous Jobs Requiring Heavy Lifting or Long Hours of Driving**
- **Helps Maintain Proper Posture. (Improper Posture Places The Upper Body Weight On The Discs That Causes Back Pain)**
- **Waterproof, Moisture Proof Resistant Material For Machine Washing**



Advantages

- *Pain Relief for Herniated and Bulging Discs, Muscle Spasms, Spondylosis Sciatica, and Spinal Stenosis.*
- *Facilitate The Remolding And Healing of Disc By Diverting The Weight Bearing Forces Away From The Lumbar Spine*
- *Maximize Prevention of Re-Herniation*
- *Minimize Pain / REDUCE Pain Medication*
- *Minimize Patient's Complaints / Improve Quality of Life*
- *Effective For Pre-Surgical Discomfort*
- *High Reimbursements HCPCS L0631 Billing Code*

Treatable Symptoms:

- *Herniated Disc • Bulging Disc • Sciatica*
- *Lumbar Acute / Chronic Sprain • Spinal Stenosis*
- *Spondylosis • Lumbar Facet Syndrome*
- *Degenerative Disc Disease • Spondylolisthesis*
- *Post Operative Lumbar Fusion*
- *Compression Fracture in the Lumbar Region*
- *Failed Surgery Syndrome*
- *Low Back Pain of Physical Origin*
- *Congenital Weakness in Waist*
- *Low Back Pain Caused by Obesity*

ON THE SURFACE



4.2" Vertical Height

The SR 500 LSO Brace Expands Vertically Approx. 2.8"



7" Vertical Height

BEHIND THE SCENES



BEFORE
Interval Disc Space 8mm



AFTER
Interval Disc Space 11mm
(3mm Increase)

Before Treatment:

In lumbar disc bulge or herniation, the intervertebral disc suffers from the effects of axial loading caused by gravity. This results in the bulged or herniated disc compressing against nerve tissue, which causes back pain, sciatica and muscle spasm.

After Treatment:

The SR 500 Lumbar Spinal-Air Decompression LSO Brace assists in returning the disc and nucleus pulposus toward their normal physiologic state by decreasing axial loading, thereby reducing intra-discal pressure, through the expandable vertical air cells within the device.

Since 1995, ongoing pathological research and examinations have been performed by the Orthopedic Surgery Departments of the Inje University Seoul Paik Hospital and Sanggye Palk Hospital, Documented X-ray examinations demonstrated visual evidence of an increase of the anterior curvature of the lumbar vertebrae, as well as expanding the intervertebral disc space at the L4, L5, S1 region an average measurable distance of 3mm, thereby minimizing the intra-discal pressure. It has been determined that on average 85% of all patients that wore the SR 500 Lumbar Spinal-Air Decompression LSO Brace demonstrated a vast improvement resulting in a sizable reduction with their chronic and acute low back pain