

mediroyal 

Orthoses are our passion

EXTO[®] Spinal Extension Braces

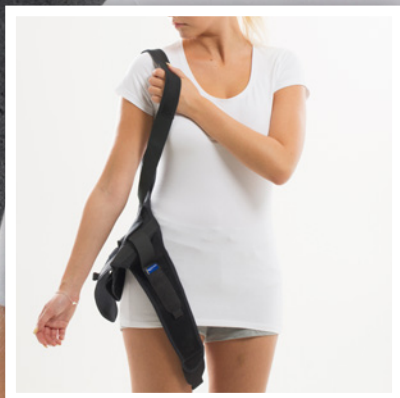


EXTO® Spinal Extension Braces

The products of the EXTO®-line was developed to provide a various degree of extension assist to the thoracic area of the spine. Patient compliance is one of the most difficult points when bracing the thoracic area as the braces tends to be bulky, uncomfortable and difficult for the patient to apply. That's why we emphasized to make the designs both functional as well as comfortable and low profile. The result is our EXTO®-family that consists of three different designs depending on the level of stability that the patient needs.



EXTO® LIGHT



EXTO® Light is design protected as a Registered Community Design under 003322080-0001, 003322080-0002, 003322080-0003, 003322080-0004, 003322080-0005, 003322080-0006.

EXTO® Light

● EXT100 – Black ● EXT101 – Beige

This is our soft and low profile thoracic extension support brace. It provides a dynamic support that enables the patient to use it in almost any situation. The design is protected in several countries and consists of a membrane textile that has full breathability, with a high comfort and skin friendly inside and with a very low profile. The design has a waist belt to anchor the brace low over the lumbar area. By doing that, the upper elastic part over the thoracic area will stretch to provide an extension effect. That part is then connected to the fleece lined strap that runs over the shoulder and armpit area to make it comfortable without putting pressure to the axilla. The low friction nylon straps meet in the center of the back, forming a hidden criss-cross design that makes application very easy. The straps have low profile hook tabs that can be attached onto the waist belt in the front.

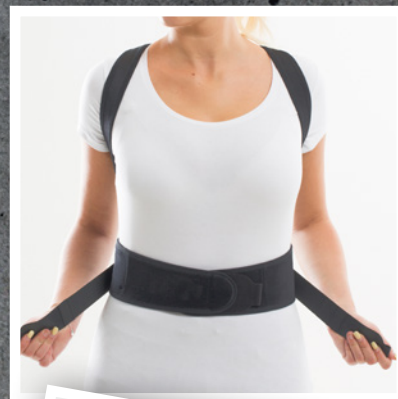
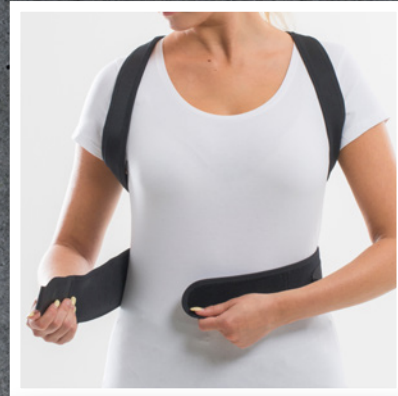
Many posture supports are designed with a figure-8 construction that only extends the shoulders and usually press on the lower part of the Scapula. EXTO® Light both extends the thoracic spine as well as lowers the shoulder to decrease static tension over the Trapezius muscle, without interfering the Scapula. EXTO® Light also creates a stability over the thoracolumbar junction of the spine in order to provide the thoracic spine with a better foundation. This creates a better position for the cervical spine as well.

Patients with Osteoporosis usually form a kyphotic curve over time. EXTO® Light can be used in the early stages of Osteoporosis to help improving the posture, reduce pain and provide a long-term support in order to slow down the process of forming a thoracic kyphosis.

EXTO® Light offers:

- **A low profile**
- **A functional, individual adjustable postural support**
- **Breathable membrane fabric**

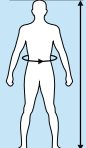
Indications: Poor posture, pain over the thoracic area, neck and shoulder pain caused by static loading, thoracic kyphosis and osteoporosis.



| Size | Pediatric | Petite | Small | Standard | |
|-------------|------------|------------|------------|------------|--|
| Body height | 120–145 cm | 145–170 cm | 170–190 cm | 170–190 cm | |
| Waist | 45–60 cm | 60–80 cm | 60–80 cm | 80–110 cm | |

EXTO[®] INTER



| Size | Petite | Small | Standard |  |
|-------------|------------|------------|------------|---|
| Body height | 145–170 cm | 170–190 cm | 170–190 cm | |
| Waist | 60–80 cm | 60–80 cm | 80–110 cm | |

EXTO[®] Inter is design protected as a Registered Community Design under 003322080-0001, 003322080-0002, 003322080-0003, 003322080-0004, 003322080-0005, 003322080-0006.

EXTO® Inter

● EXT150 – Black

Patients that already have formed a kyphotic curve are risking accelerating that even further over time. Osteoporosis over time can also lead to compression fractures that can be both difficult and take a long time to heal. That's why we developed the EXTO® Inter brace in order to bridge the gap between elastic posture supports and more rigid braces. EXTO® Inter has been based on EXTO® Light with the same low profile and easy application design but with the difference that it has an integrated rigid spinal insert made from dural aluminium. The spinal insert can be adjusted to the individual spinal curve of the patient. The pocket for the insert is well padded in order to provide a good comfort. The opening of the pocket is hidden under the elastic part of the lumbar belt. The belt is slightly flexible over the attachment over the insert pocket but non-elastic on the sides. This provides a good anchor for the spinal insert in order to provide a good extension effect to the thoracolumbar junction and the upper thoracic area.

What make EXTO® Inter unique are the integrated straps in the shoulder straps that allows for added individual extension support to the upper thoracic area. The straps can be adjusted asymmetrically in order to provide more support to one side. This is especially useful for patients with a slight scoliotic curve in the spine in addition to the kyphosis.

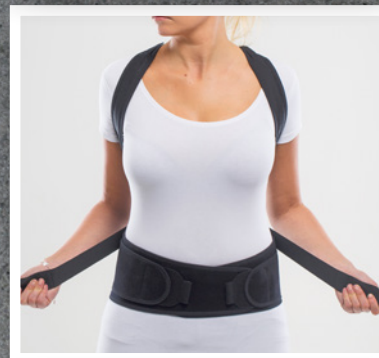
The EXTO® Inter is made from the Neptune™ material which is a breathable membrane fabric which is soft and comfortable and provides a cooling effect on the skin. The material has a quick drying function which makes it very suitable for long-term wear. The lumbar part has an integrated friction system to prevent the brace from sliding during wear.

EXTO® Inter can be used both to treat stable spinal compression fractures as well as an interim solution after the fracture has healed in order to unload the fracture area. A patient that has suffered a spinal compression fracture has an increased risk to develop a second fracture in the area up to 16 months after. It's therefore important to continue postural support and training after the fracture has healed in order to prevent further fractures in the future.

EXTO® Inter offers:

- **A low profile design**
- **A stable extension support**
- **Adjustable shoulder straps**

Indications: Stable compression fractures in the thoracic area, moderate to severe kyphosis, mild scoliosis in the thoracic area, osteoporosis and post-fracture postural treatment.



EXTO[®] STABLE



EXTO[®] is a registered trademark of Mediroyal Nordic AB, Sweden

EXTO® Stable

● EXT200 – Grey

The EXTO® Stable is the model with the highest degree of stability in the EXTO® family. It features a high frequency welded material that is lined with foam in the core. The material is non-elastic to provide maximum stability. The waist belt has been designed so it can be trimmed individually with a pair of scissors to fit most sizes. To make application easy for the patient, the front of the waist belt has been fitted with integrated handles that doesn't require a strong hand grip. The waist belt has two adjustable waist straps that can be individually adjusted to provide a good anchoring to the brace over the waist. The shoulder straps have adjustable hook parts that allow you to individually adjust the length of the straps. Both the waist straps and the shoulder straps are attached on the front side of the waist belt.

The spinal reinforcement is made from dural aluminium that provides an adjustable extension spring effect. The metal reinforcement comes in four different lengths that follow the size of the brace. The opening for the reinforcement is on the inside of the lower lumbar part.

Over the axilla there are two adjustable protectors that decrease the pressure over the area. They can be adjusted up or down on the shoulder straps and secured with hook to prevent them from sliding. The shoulder straps are attached over the lumbar area by an adjustable pad. This pad is positioned on top of the spinal reinforcement pocket. The position of the pad adjusts the extension effect of the brace. The lower you position the pad, the more extension effect you will reach on the patient.

EXTO® Stable is designed to be used for treatment of spinal compression fractures. It provides a high degree of mechanical stability to the thoracic and the thoracolumbar junction area.

EXTO® Stable offers:

- **A high mechanical stability**
- **Adjustable extension support**
- **Pressure absorbing shoulder pads**

Indications: Compression fractures in the thoracic area, moderate to severe kyphosis.



| Size | Small | Medium | Large | X-Large | |
|-------------|-----------------|------------|------------|------------|--|
| Body height | Upp till 165 cm | 165–175 cm | 175–195 cm | 175–195 cm | |
| Waist | 70–100 cm | 70–100 cm | 70–130 cm | 70–130 cm | |

EXTO® STABLE



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mediroyal 

Mediroyal Nordic AB
Box 7052, Staffans väg 6B · SE-192 07 Sollentuna, Sweden
info@mediroyal.se · www.mediroyal.se