

# SDO® Lite

## Sensory Dynamic Orthosis

SDO® Lite is a range of garments designed for clinicians as an assessment tool to identify the potential benefits of a made-to-measure SDO® garment.

The assessment process and anticipated response will demonstrate the impact of increasing sensory and proprioceptive feedback, improving postural control and some musculoskeletal support.

The result will not be as dramatic as made-to-measure but the best results are achieved when used in the assessment process prior to the provision of a bespoke garment from our SDO® range. The SDO® Lite garments are used to support funding applications to demonstrate the clinical application, suitability and benefits of made-to-measure dynamic Lycra®.

### Assessment Process of SDO® Lite

- Improved stability and postural control
- Improved sitting and standing posture
- Improved symmetry
- Improved handling and transfers
- Improved gait
- Improved upper limb function
- Suitability for SDO® Original made-to-measure garments

## Company Profile

Medigarments Ltd is the company behind the internationally recognised brands Jobskin® and SDO®. We lead the way in rehabilitation therapy and are the largest UK manufacturer of specialist custom compression garments supplied through therapy and orthotic professionals. Our reputation for the design, and supply of technically advanced garments has been built over 40 years supplying the highest quality made-to-measure products.

Our garments are used to manage scarring as a result of burns or trauma injury. In the field of dynamic compression, they are used to increase sensory and proprioceptive feedback as well as provide musculoskeletal support.

We are dedicated to providing the ultimate in therapy management, with the focus on improving patient quality of life.

## Medigarments Ltd

DESIGNED AROUND YOU

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Designed & Manufactured  
in the UK

# Designed Around You

Made-to-Measure Dynamic  
Compression Garment

# SDO®

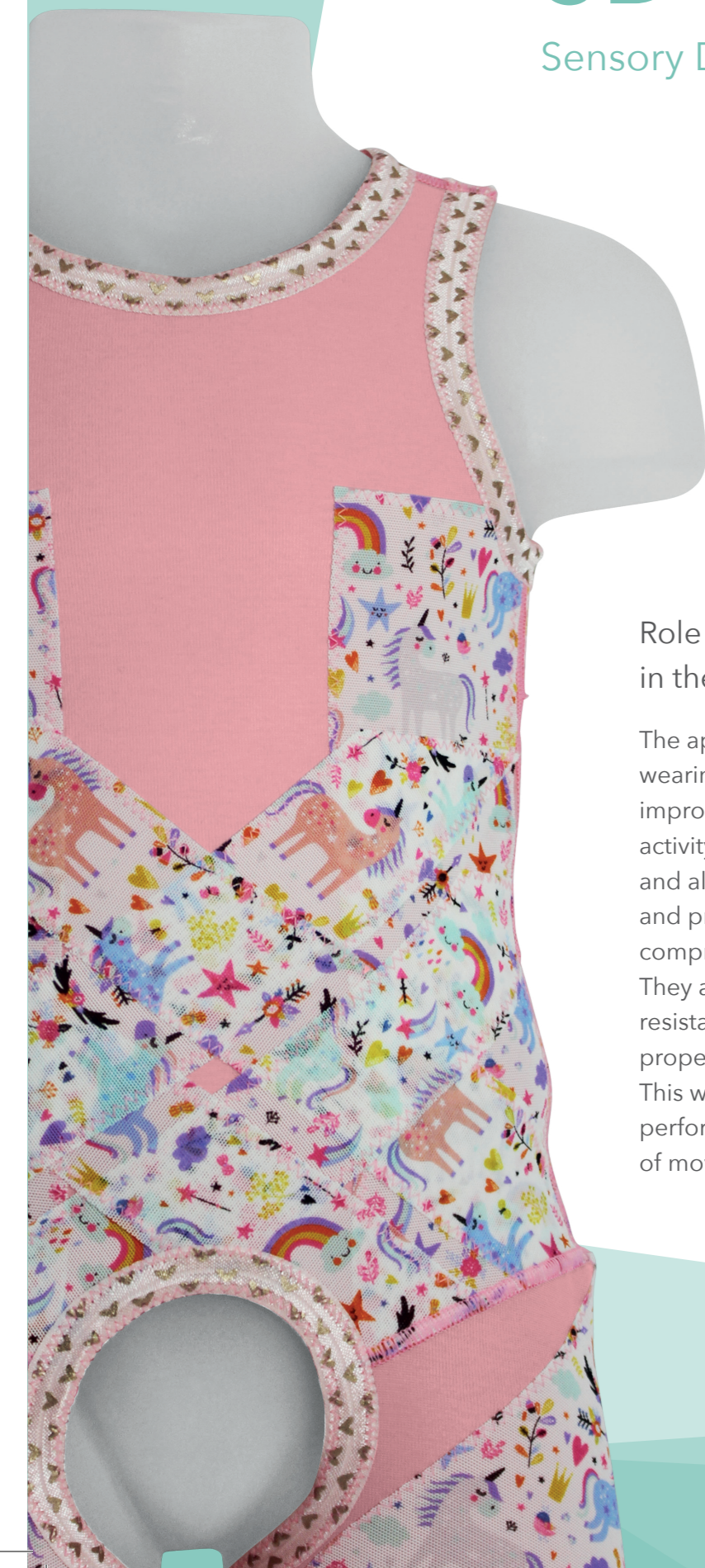
Sensory Dynamic Orthosis



Please contact customer service for more details and information regarding our training courses.

# SDO® Original

## Sensory Dynamic Orthosis



### Role of Dynamic Compression in the Management of Tone

The application of dynamic compression through the wearing of the Sensory Dynamic Orthosis can result in improved motor output, improved reciprocal muscle activity, and can be used to maintain soft tissue length and alignment. SDO® Original garments are designed and produced to provide constant and consistent compression for sensory and proprioceptive feedback. They also provide musculoskeletal alignment and resistance whilst allowing movement thus giving the propensity for motor learning and neural integration. This will then optimise and enhance functional performance by improving motor control and fluency of movement.

### Product Description

SDO® Original is a made-to-measure Lycra® garment (Class 1) medical device, designed and produced to the finest detail. It provides dynamic compression to increase sensory and proprioceptive feedback as well as provide musculoskeletal support. This Lycra® garment can assist and lead to motor learning and neural integration. Through the use of an SDO® providing constant, consistent compression, stretch, support and sensory information, the patient is given the effect of therapeutic handling for the time that the garment is worn.

Clinical observations and the evidence available shows that wearing the SDO® leads to an improvement in positioning, posture and function because it provides musculoskeletal alignment, postural stability and sensory feedback. This is thought to be due to the stimulation of the somatosensory and musculoskeletal systems which give changes in tone and postural alignment. This will then lead to improved proximal stability and improved biomechanical advantage for muscle activation and enhancement of learning strategies.

### SDO® Original, Reinforcement Panels

The SDO® garment can be customised to meet the musculoskeletal needs of the patient by using reinforcement panels. The decision will be made by the prescribing clinician dependent on the functional outcome anticipated. There is a selection of panels that can be used in isolation or in combination with other panels to achieve the goal in postural control and body alignment.



## Clinical Application and benefits of SDO® Original

### Benefits of SDO® Original

A Bespoke SDO® dynamic Lycra® garment can assist and lead to motor learning and neural integration. The base suit provides the neuro-physiological component by increasing proprioceptive and cutaneous feedback and enhancing normal movement. The reinforcement panels work bio-mechanically providing musculoskeletal realignment, joint stabilisation and resistance.

### Improvement in:

- Improved posture and stability
- Improved motor output
- Normalisation of tone
- Reduced involuntary movements
- Improved dynamic function
- Fluency of movement
- Increased independence
- Improved breathing and speech patterns
- Calmness / improved concentration
- Enhanced handling and transferring
- Carry over effect

### Management of:

- Abnormal tone in neurological conditions including:
- Cerebral palsy
  - Acquired brain injury
  - Acquired spinal injury
  - Cerebellar ataxia
  - Spina bifida
  - CVA/Stroke
  - Multiple Sclerosis
  - Focal Dystonia
- Joint instability and sensory deficit:
- Persistent low tone
  - Ehlers-Danlos Syndrome
  - Hypermobility, joint laxity
  - Autism/ADHD
  - Hernia
  - Down Syndrome