

# SDO<sup>®</sup> Made to Measure Dynamic Compression Garment

## Sensory Dynamic Orthosis (SDO<sup>®</sup>)

is a custom Made to Measure product, designed and produced to the finest detail to provide dynamic compression to increase sensory and proprioceptive feedback and provide musculoskeletal support. This garment can assist and lead to motor learning and neural integration.

A therapist will always attempt to encourage normal movement to improve all levels of function. Through the use of a SDO<sup>®</sup> providing constant support and sensory information the client is given the effect of therapeutic handling for the time that the garment is worn.

Therapy is based on the understanding that normal development continues from stability in weight bearing to mobility in non-weight bearing patterns. Proximal key points of control are used to give an optimal amount of support or stability to promote distal control and reduce the need for associated reactions or fixing.

Clinical observations and studies have shown that people with abnormal muscle tone have a capacity for achieving control over movement when suitable feedback is provided. With adequate musculoskeletal alignment and postural stability and control, functional performance can be improved.

The evidence gathered through research and individual case studies have shown that wearing a made to measure Lycra<sup>®</sup> garment leads to an improvement in function. This is thought to be due to the stimulation of the somatosensory system through the proprioceptors of skin and musculoskeletal system leading to changes in tone; postural re-alignment, improved biomechanical advantage for muscle activation and enhancement of learning strategies



## The Product

- A quality custom made dynamic compression garment
- Manufactured from a PolycottonLycra material
- Competitively priced product
- Excellent stretch quality for providing and improving:
  - Sensory and proprioceptive feedback
  - Musculoskeletal support and alignment
  - Postural control and proximal stability
  - Quality of movement
  - Function
- A wide range of designs and style options available
- Excellent choice of fabric colours and stitch options

## Indications

The SDO<sup>®</sup> can be used in the management and reduction of abnormal tone in neurological conditions including:

- Cerebral Palsy
- Muscular Dystrophy
- Acquired Brain Injury
- Acquired Spinal Injury
- Cerebellar Ataxia
- Spina Bifida
- CVA/Stroke
- Multiple Sclerosis
- Focal Dystonia

The SDO<sup>®</sup> can also be used for the management of conditions with joint instability and sensory deficit:

- Persistent low tone
- Connective Tissue Disorders
- Hypermobility, joint laxity





If you feel that you, your child or loved one might benefit from an SDO®, then please consult with your therapist, consultant or GP.

Or simply contact our SDO® specialist for more information, advice or assessment.



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# SDO®

## Sensory Dynamic Range



Manufactured in the **UK**