



## Made to Measure Range



### Contact us

Contact Pro-Tech Orthopedics for more details, advice and information regarding training, and the SDO.

### Private Individuals

If you feel that you, your child or partner may benefit from a SDO then consult with your orthotist/therapist/consultant/GP/PCP.

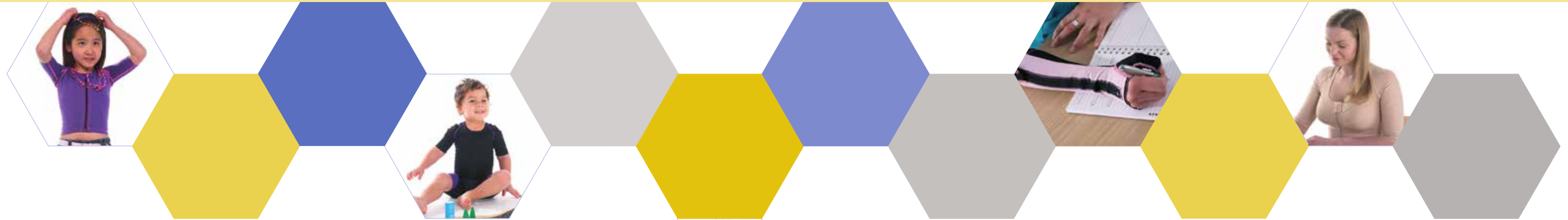
We will not supply a SDO if, after assessment and/or consultation with your therapist it is felt to be unsuitable for your needs



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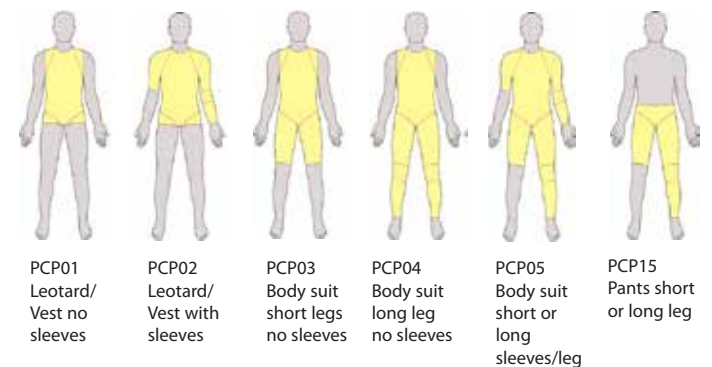
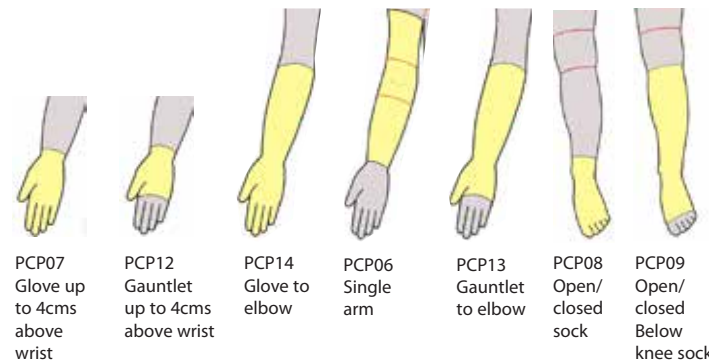
# Pro-Tech SDO made to measure sensory dynamic orthosis



## The Product

- A quality custom made sensory dynamic orthosis
- Manufactured from a polycotton lycra material
- Competitively priced product
- Excellent stretch quality for providing and improving:
  - Sensory and proprioceptive feedback
  - Musculo-skeletal 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 colors and stitch options

## Pro-Tech SDO garments available



## Indications

The SDO can be used in the management and reduction 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

The SDO can also be used for the management of conditions with joint instability and sensory deficit:

- Persistent low tone
- Inherited conditions eg Ehlers Danlos Syndrome
- Hypermobility, joint laxity

## Measure System

- Standard metric measuring tape, Body measuring tape, CFM tape

## Pro-Tech Orthopedic Sensory Dynamic Orthosis (SDO)

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 musculo-skeletal 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 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 musculo-skeletal alignment and postural stability and control, functional performance can be improved.

The evidence gathered through international research and individual case studies shows that wearing the Pro-Tech SDO 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 musculo-skeletal system leading to changes in tone; postural re-alignment, improved biomechanical advantage for muscle activation and enhancement of learning strategies.

