



SDO™

Sensory Dynamic Orthosis

Please contact Well & Able if you require further information regarding Sensory Dynamic Orthosis (SDO™) panelling options.

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SDO™ Reinforcement Panels



Designed & Manufactured
in the UK

Techskin™







Code		Name and Description of Panels
SP	<p>Anterior Posterior</p>	<p>Standard Panels</p> <p>To assist hip external rotation and abduction (<i>turning the hips outwards</i>) and back extension (<i>straightening the back</i>)</p>
LP	<p>Anterior Posterior</p>	<p>Lumbar Panels</p> <p>To assist postural control and correct hip alignment (<i>ability to maintain upright posture</i>)</p>
HP	<p>Anterior Posterior</p>	<p>Hip Panels</p> <p>To assist hip control (<i>ability to tilt hips backwards and forwards</i>) and external rotation (<i>assist turning hips outwards</i>)</p>
OB	<p>Anterior Posterior</p>	<p>Oblique Panels</p> <p>To assist activation of oblique abdominal muscles</p>

Code		Name and Description of Panels
TPL	<p>Anterior Posterior</p>	<p>Lateral Trunk Panels</p> <p>To assist correction of left lateral flexion (<i>panels positioned on right to pull the trunk from the left</i>)</p>
TPR	<p>Anterior Posterior</p>	<p>Lateral Trunk Panels</p> <p>To assist correction of right lateral flexion (<i>panels positioned on the left to pull the trunk from the right</i>)</p>
SPL	<p>Anterior Posterior</p>	<p>Scoliosis Panels</p> <p>To assist correction of right thoracic (<i>area of upper back</i>) and left lumbar (<i>area of lower back</i>) curves</p>
SPR	<p>Anterior Posterior</p>	<p>Scoliosis Panels</p> <p>To assist correction of left thoracic (<i>area of upper back</i>) and right lumbar (<i>area of lower back</i>) curves</p>

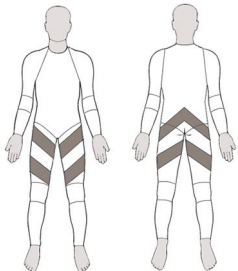
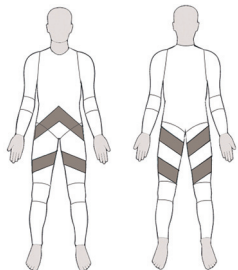
Code		Name and Description of Panels
CPL	<p>Anterior Posterior</p>	<p>C-Shape Scoliosis Panels</p> <p>To assist correction of C-shape scoliosis caused as a result of falling to the right due to postural weakness</p>
CPR	<p>Anterior Posterior</p>	<p>C-Shape Scoliosis Panels</p> <p>To assist correction C-shape scoliosis caused as a result of falling to the left due to postural weakness</p>
CP1	<p>Anterior</p>	<p>Anterior Chest Panels</p> <p>To assist protraction of the scapulae (<i>to assist rounding forwards of the shoulders</i>)</p>
CP2	<p>Posterior</p>	<p>Posterior Cross Panels</p> <p>To assist retraction of the scapulae and back extension (<i>to assist taking the shoulders back and straightening of the back</i>)</p>

Code		Name and Description of Panels
AP	<p>Anterior</p>	<p>Anterior Abdominal Panels</p> <p>To resist lumbar lordosis (<i>assist the trunk to bend forwards</i>)</p>
BP	<p>Posterior</p>	<p>Posterior Back Panels</p> <p>To resist thoracic kyphosis (<i>assist the trunk to straighten</i>)</p>
ULM	<p>Anterior Posterior</p>	<p>Medial Upper Leg Panels</p> <p>To assist adduction (<i>bringing legs together</i>) and internal rotation (<i>assist turning hips inwards</i>)</p>
APP	<p>Anterior</p>	<p>Anterior Pelvic Panels</p> <p>To resist posterior tilt (<i>to resist the pelvis rocking backwards</i>)</p>





SDO™ SUITS, VEST, LEOTARD, PANTS & SHORTS GARMENTS

Code		Name and Description of Panels
PPP	 Posterior	Posterior Pelvic Panels To resist anterior tilt <i>(to resist the pelvis rocking forwards)</i>
KE	 Anterior	Anterior Leg Panels To assist knee extension <i>(to assist straightening of the knee)</i>
KF	 Posterior	Posterior Leg Panels To assist knee flexion <i>(to assist bending of the knee)</i>
HE	 Posterior	Posterior Leg Panels To assist hip extension <i>(to assist straightening of the hips)</i>





SDO™ SUITS, VEST, LEOTARD, PANTS & SHORTS GARMENTS

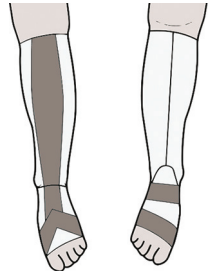
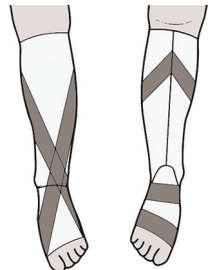
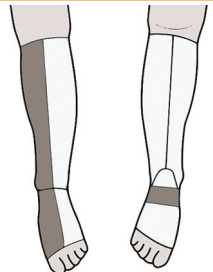
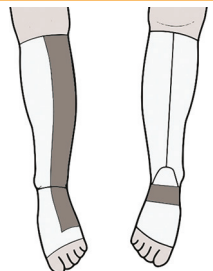
Code		Name and Description of Panels
ERP	 Anterior Posterior	External Rotation Panels To assist external rotation at the hips
IRP	 Anterior Posterior	Internal Rotation Panels To assist internal rotation at the hips

SDO™ GLOVE, GAUNTLET AND SLEEVE GARMENTS

Code		Name and Description of Panels
UL1	 Posterior	Dorsal Wrist Panels To resist wrist flexion (<i>to prevent the wrist being bent forwards</i>)
UL2	 Anterior	Volar Wrist Panels To resist wrist extension (<i>to prevent the wrist being bent backwards</i>)
UL3	 Anterior	Anterior Elbow Panels To resist elbow hyperextension (<i>elbow being straightened backwards beyond straight</i>)
UL4	 Posterior	Posterior Elbow Panels To resist elbow flexion (<i>elbow being bent</i>)

SDO™ GLOVE, GAUNTLET AND SLEEVE GARMENTS

Code		Name and Description of Panels
UL5	 Posterior	Posterior Spiral Panels To resist pronation (<i>to assist the forearm to be turned palm upwards</i>)
UL6	 Anterior	Anterior Spiral Panels To resist supination (<i>to assist the forearm to be turned palm downwards</i>)
UL7	 Anterior Posterior	Thumb Panels To assist extension and abduction (<i>to assist thumb straightening and taking out of the palm</i>)
UL8	 Anterior Posterior	Diagonal Wrist Panels To assist correction out of ulnar deviation (<i>to stop the wrist from falling sideways away from the thumb</i>)

Code		Name and Description of Panels
LL1	 <p style="text-align: center;">Anterior Posterior</p>	<p>Lower Leg Central Panels</p> <p>To assist dorsi-flexion (<i>to assist lifting the foot upwards</i>) and control forefoot alignment (<i>keep straight</i>)</p>
LL2	 <p style="text-align: center;">Anterior Posterior</p>	<p>Lower Leg Cross Panels</p> <p>To assist dorsi-flexion (<i>to assist lifting the foot upwards</i>)</p>
LL3	 <p style="text-align: center;">Anterior Posterior</p>	<p>Lower Leg Medial Panels</p> <p>To assist dorsi-flexion (<i>to assist lifting the foot upwards</i>) and resist eversion (pronation) (<i>to assist in stopping the foot turning down and outwards</i>)</p>
LL4	 <p style="text-align: center;">Anterior Posterior</p>	<p>Lower Leg Lateral Panels</p> <p>To assist dorsi-flexion (<i>to assist lifting the foot upwards</i>) and resist inversion (supination) (<i>to assist in stopping the foot turning down and inwards</i>)</p>

Bespoke panels to meet individual needs are available on request and following consultation.