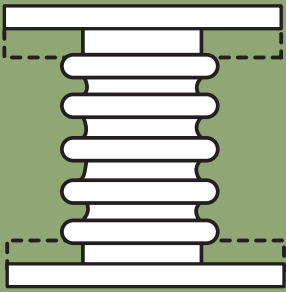
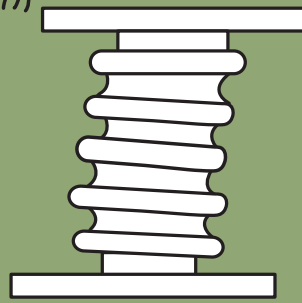
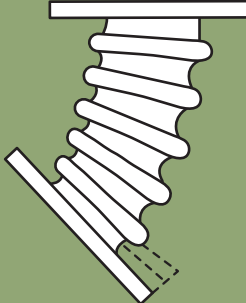


3.06 | Definition of Movement

		
<p>Axial Movement</p> <p>Axial Compression is the dimensional shortening of an Expansion Joint along its longitudinal axis while axial extension is the dimensional lengthening of the expansion joint.</p>	<p>Lateral Movement</p> <p>Lateral Deflection is the relative displacement of the two ends of an Expansion Joint perpendicular to its longitudinal axis.</p>	<p>Angular Movement</p> <p>Angular Rotation is the displacement of the longitudinal axis of the Expansion Joint from its initial straight line position into a circular arc.</p>

Cycle Life

This the anticipated number of complete expansions and contractions that a bellow can accommodate in its working life, this is an important consideration with bellow design. This consideration is to ensure the correct balance between the pressure containing characteristics and the movement.

The cycle life expectancy of an expansion joint is affected by the flowing various factors;

- operating pressure
- operating temperature
- the material from which the bellows is made
- the movement per convolution
- the thickness of the bellow
- the convolution pitch
- depth and shape of convolution



After installation any change to any of these factors will impact upon the cycle life.

Quality Management

We have progressively incorporated quality and seamless procedures and manufacturing practices in concert with our valuable staff to achieve an all encompassing Quality Management System - with accredited Quality Assurance, ISO 9001:2000.

Pacific Hoseflex quality control measures - inspection and testing procedures include; inwards goods inspection, in process inspection, final product release inspection and leak detection inspection. There are several different methods for leak detection; dye penetrate examination, x-ray examinations, magnetic particle inspection, hydrostatic test and pneumatic test.