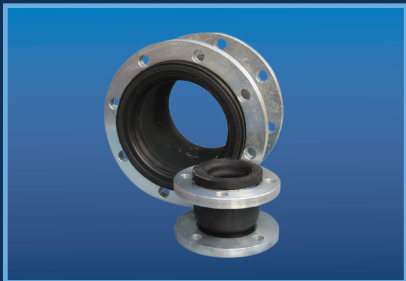




# Expansion Joints - Metallic & Non Metallic

## Single Sphere Expansion Joint



Rubber Expansion joints provide superior movement capability in axial compression, axial extension and lateral deflection, as well as in the angular and torsional direction. This performance cannot be obtained with metallic joints or grooved couplings. They contain floating flanges ( non fixed) to allow for easy alignment in a range of materials including 316 Stainless Steel, Mild Steel and Galv Coated. Also available with Control / Tie Rods to enhance its pressure capability in unanchored systems, and to control the movement of the joint.

## Twin Sphere Expansion Joint



Twin Sphere Rubber Expansion joints are ideal for applications requiring large axial, lateral and angular movements. They contain floating flanges (non fixed) to allow for easy alignment in a range of materials including 316 Stainless Steel, Mild Steel and Galv Coated.

## PTFE Expansion Joints



PTFE Expansion Joints are flexible connectors and tremor barriers designed to compensate for misalignments absorb expansion and contraction, and isolate vibration and shock in process piping, tanks and pumps. PTFE expansion joints have a proven record worldwide handling the chemical process industry's most corrosive pipe stress problems. They are formed from isostatically moulded, FDA approved, virgin PTFE resin. PTFE Expansion Joints have almost universal chemical inertness, high and low temperature resistance, invulnerability to ozone and sunlight, outstanding flex life.

## Metal Expansion Joints



Metal Expansion joints or Exhaust Bellows are the most important part of an exhaust system as they act as a shock absorber isolating engine vibration from exhaust systems to avoid metal fatigue and ultimate failure. The bellow is made up of a series of convolutions which assist in the axial and lateral movements.