

# Gimbal Full-Faced Rubber Flange

## MAC-FC series

Gimbal Expansion Joints are designed to allow angular movement in any plane by the use of two pairs of hinges affixed to a common floating gimbal ring.

These expansion joints can be fabricated with single and multiple arches.

The gimbal ring, hinge and pins, are designed to restrain the pressure thrust due to internal pressure and shear forces.

A gimbal ring is either round or square.

For round gimbals the torsional moment shall be considered and for square gimbals the instability due to the bending shall be considered.



MAC-FC

More full-faced rubber flange expansion joints on [www.macoga.com](http://www.macoga.com)

## Features

TYPE	SERIES		
Gimbal	MAC-FC		
PRESSURE THRUST RESTRAINT	MOVEMENTS		
✓	Axial	✗	
	Lateral	Single-plane	✗
		Multi-plane	✗
	Angular	Single-plane	✓
		Multi-plane	✓
			Transmits shear and wind loads
			Supports dead weight
			Avoid twisting the bellows
			No main anchors required