# Inertia Bases



Barnvale Engineering can design and supply a range of Inertia Bases for use in combination with spring mounts to provide a vibration isolation system.

Inertia Bases are generally used for mounting equipment such as pumps, chillers, fans and refrigerating compressors.

- To give more stability to system.
- Provide an even weight distribution.
- Minimise the effect of external forces.
- Add rigidity to the equipment.
- Reduce problems with coupled modes.
- Minimise the effects of errors in the position of the centre of gravity of the equipment.
- Act as a local sound barrier.

Inertia Bases are generally comprised of a steel U-Section framework with a reinforced mesh into which concrete is poured on site to provide high inertia.

Barnvale Engineering Inertia Bases are supplied in various forms to incorporate in-board and out-board mounting brackets, support rails and also knock-down kits for bolt together site assembly.