

## Abstract

### Hanging Type Vibration Isolator

An object of the present invention is to provide a hanging type vibration isolator which satisfies the needs for reduction of a size and a weight of an vibration isolator and also can achieve the vibration isolation effect without fail by preventing contact between a vibration isolation material and an vibration isolator body, even when a position of an insert and a position at which a vibrating equipment is to be installed are displaced from each other. For achieving the object, the hanging type vibration isolator provided by the present invention comprises an vibration isolator body (hanger box 2) set on a hanging bolt for hanging down a vibrating equipment (air conditioner AC) generating vibrations (between the upper hanging bolt B1 and the lower hanging bolt B2) to carry a load of the vibrating equipment; a vibration isolation material provided between the upper edge section and the lower edge section of the vibration isolator body for absorbing vibrations generated by the vibrating equipment (taper coil spring 3 and the taper rubber spring 3'); and two (upper and lower) elastic materials (rubber cap 4 and rubber root 5) set between the vibration isolation material and the vibration 41 isolator body and between the vibration isolation material and the hanging bolt respectively. An external form of the vibration isolation material is a truncated conical one.

Fig 9.