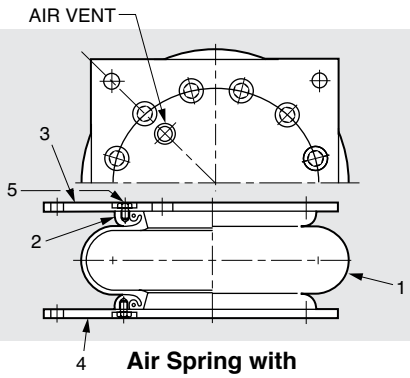
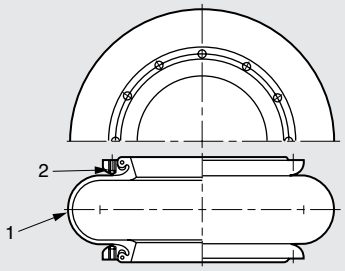


Air Spring with Mounting Plate



Air Spring without Mounting Plate

COMPONENTS:

1. Bellows: made of synthetic rubber, a reinforced cord and wire.
2. Clamp ring: stainless steel; to mount bellows on a plate.
3. Upper plate: stainless steel; it has 4 - mounting holes and threaded (Rc1/4 or Rc1/2) air vent connection.
4. Lower plate: stainless steel; it has 4 - mounting holes.
5. Clamping bolts: stainless steel.

APPLICATIONS:

- AS VIBRATION ISOLATOR IN OSCILLATING CONVEYORS, LAUNDRY MACHINES, CENTRIFUGAL SEPARATORS, AIR COMPRESSORS, WATER PUMPS, GENERATORS, AIR BLOWERS, ELECTRIC MICROSCOPES
- AS ACTUATOR IN TENSIONING DEVICES, JET COASTER BRAKES

FEATURES:

- Excellent in vibration isolation of low frequency machines. The air spring uses elasticity of air as an isolator which provides a soft spring.
- It minimizes high-frequency vibration and noise as there is no surging effect.
- Easy maintenance. As there are no moving parts, it retains relatively good durability even against large amplitude.
- You have the option to buy the air spring without mounting plates.
- Handles a wide range of loads by changing its inner pressure.

HOW TO USE:

- Mount the air spring to the foundation and to the object using the holes in the plates.
- Fill air into the air spring through the air vent within the allowable pressure limit as per requirement.

SELECTION:

- First determine the number of supporting positions calculating the load "W" and internal pressure "P" for Air Spring. And get the effective area of A (= W / P) The internal pressure should be 4 kgf/cm^2. Next, choose the Air Spring whose effective area of pressure "Ao" is nearest but greater than the calculated figure "A". Make sure W/Ao≤5kgf/cm^2.