

MECHANICAL EQUIPMENT

Engineering

Mount Specifications

Anti-vibration Mounts – Mount Specifications

SPECIFICATION A - Rubber Mounts

Rubber mounts shall be rated for at least 5 mm deflection (for mounting loads up to 150 kg) or at least 10 mm for higher loads. Strain shall not exceed 20% at the rated load. All metal surfaces shall be rubber covered to prevent corrosion. Mountings shall have non-slip grooves on top and underneath so that they remain in position without bolting to the floor.

SPECIFICATION B - 25 mm Deflection Open Spring Mounts

- 1) Spring mounts shall be free standing with deflections at rated loads > 25 mm.
- 2) Spring ends shall be ground flat. The spring diameter shall be not less than 80% of its compressed height at the rated load, at which load there shall be at least 50% further travel to solid.
- 3) At solid the spring material shall be stressed to not more than 80% of its allowable stress.
- 4) Mounts shall have height adjustment and levelling bolts with provision for bolting to the equipment.
- 5) Mounts shall have rubber acoustical friction pads in contact with the floor.

Mounts shall be type SLF or SLM, manufactured by ACTOM Mechanical Equipment

SPECIFICATION C – High Deflection Open Spring Mounts

- 1) Spring mounts shall be free standing with deflections at rated loads not less than 50 mm (or 75 mm).

Otherwise paragraphs (2) to (5) apply as in Specification B.

Mounts shall be type SLH, manufactured by ACTOM Mechanical Equipment

SPECIFICATION D – 25 mm Deflection Housed Spring Mounts

Alternative to Specification B when additional lateral strength is required.

- 1) Spring mounts shall consist of one or more springs housed between two castings, separated by sponge rubber inserts for the purpose of providing lateral stiffness, reducing movement and preventing metal to metal contact.

Otherwise paragraphs (2) to (5) apply as in Specification B.

Mounts shall be type C, manufactured by ACTOM Mechanical Equipment

SPECIFICATION E – 25 mm Deflection Restrained Spring Mounts

- 1) Equipment with operating weight different from the installed weight such as chillers and boilers and equipment exposed to strong winds such as roof-mounted cooling towers shall be mounted on spring mountings incorporating a housing that includes vertical limit stops to prevent spring extension when the weight is removed. During normal operation the limit stops shall be out of action. The housing shall be designed to be locked solid during installation. The overall height when locked solid and when released and operating shall be the same. The housing shall be hot-dipped galvanized.

Otherwise paragraphs (2) to (4) apply as in Specification B

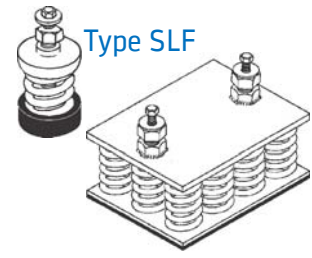
Mounts shall be type SLR, manufactured by ACTOM Mechanical Equipment

Specification A



Type ND

Specification B



Type SLF

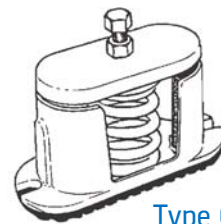
Type SLM

Specification C



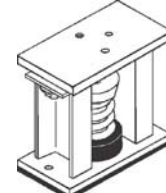
Type SLH

Specification D



Type C

Specification E



Type SLR