

KINETICS™

Isolation Hangers Model ARS

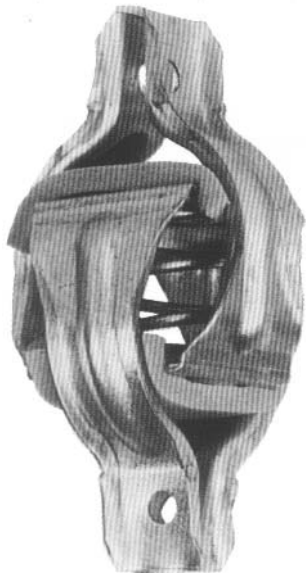
Description

- 1/2" (13 mm) deflection at rated load
- 50% overload capacity
- Zinc-plated steel spring
- Elastometric noise pad
- Zinc-plated, galvanized steel housing
- Foam snubber

Model ARS Spring Hangers are specifically designed for use in isolating ceiling-suspended fan terminal boxes and other light duty fans. The hangers are constructed to be used with 3/4" (19 mm) wide perforated metal strap secured with 1/4" (6 mm) bolts. 9 to 11 guage suspension wire is also acceptable

The ARS Hanger consists of a combination of a zinc-plated steel spring and neoprene noise pad encased in a two-part, interlocking, zinc-plated, galvanized steel housing, complete with foam inserts to prevent short curcuiting during minor misalignment.

The ARS Hangers are available in three (3) capacities. The ARS -15, ARS-30 and the ARS-70. The ARS-15 has a static deflection of 0.50 inches (13 mm) at a rated load of 15 lbs. (7 kg). The ARS-30 has a static deflection of 0.50 inches (13 mm) at a rated load of 30lbs.(14kg). The ARS-70 has a static deflection of 0.50 inches (13 mm) at a rated load of 70 lbs. (32 kg). All models have a spring overload capacity of 50% and a housing overload capacity of 500% without failure



Application

- Fan terminal
- Light duty fans

Kinetics Model ARS Hangers are recommended for use in suspending fan terminal boxes and other light duty fans.

Fan terminal boxes can be isolated from structure using the ARS Hangers to reduce the transmission of vibration from fan terminal boxes into the structure. The ARS hangers are effective in reducing vibration caused by rotating equipment as well as radiated noise resulting from air movement, fan, and motor noise.

Standard ARS Hangers are shipped fully assembled and ready for use. Perforated metal strap or suspension wire is applied by others.

Specifications

Specifications Vibration isolation for suspended equipment with minimum static deflection requirements exceeding 0.2" (5 mm) and where both high and low frequencies are to be isolated, shall be hangers consisting of a laterally stable steel spring in series with an elastomer insert, assembled in a stamped, zinc-plated, galvanized steel bracket.

The elastomer insert shall be molded from oil resistant compounds and selected to operate within its published load range.

The spring element shall be zinc-plated and have a lateral stiffness greater than 1.20 times the rated vertical stiffness, and shall be designed to provide a minimum of 50% overload capacity.

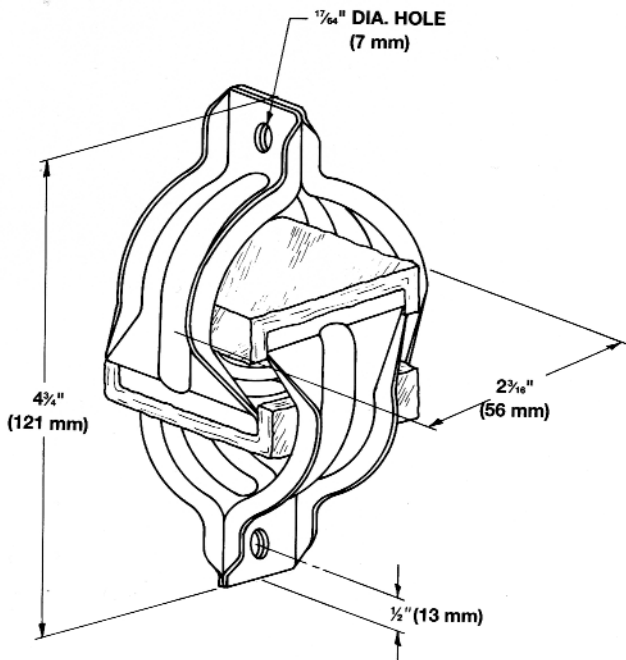
The hanger assemblies shall be marked to indicate load capacity.

The hanger brackets shall be designed to carry a 500% overload without failure and shall be complete with foam inserts to prevent short-circuiting during minor misalignment.

Isolation hangers shall be selected by the manufacturer for each specific application to comply with deflection requirements as shown on the vibration isolation schedule or as indicated on the project documents.

The combination isolation hanger assembly with neoprene insert shall be Kinetics Model AIRS as manufactured by Kinetics Noise Control, Inc., Dublin, Ohio.

Hanger Model	Rated Load Lbs. (kg)	Rated Deflection In. (mm)
ARS-15	15 (7)	0.50 (13)
ARS-30	30 (14)	0.50 (13)
ARS-70	70 (32)	0.50 (13)



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