

Technical Data Sheet

Kinetics Model RH Vibration Isolation Hangers are designed to reduce the transmission of vibration and noise produced by suspended equipment, piping, and ductwork. RH Hangers incorporate a colour-coded elastomer-in-shear insert with a load plate, assembled into a stamped or welded hanger bracket. Model RH hangers are a unique utilisation of elastomer, loading the material in shear rather than compression, increasing allowable strain without accelerating deterioration. RH Hangers will allow support rod misalignment through a 30° arc. Isolation brackets will carry a 500% overload without failure. Hangers are available in deflections from 5mm to 15mm and in capacities up to 907kg. RH Hangers may be selected where first cost must be minimised. Kinetics Model RH Hangers are recommended for the isolation of vibration produced by suspended mechanical equipment, in-line and exhaust fans, ductwork, piping, etc.

FEATURES

- Elastomer-in-shear noise isolator
- Static deflections up to 15mm
- Load capacities up to 907kg
- Insert colour coded for load capacity
- 500% overload fail-safe steel bracket
- 30° allowable rod misalignment bracket design

APPLICATIONS

Kinetics Model RH hangers are used to isolate suspended sources of audible frequency vibration, or isolation of noise in piping and ductwork systems. Model RH hangers are shipped fully assembled and ready for installation in threaded rod suspension systems. Model RH hangers are available in a wide range of load selections and up to 15mm static deflection.

SPECIFICATIONS

Vibration isolators with maximum static deflection requirements under operating load conditions not exceeding 15mm shall be hangers consisting of an elastomer-in-shear insert encased in a welded steel bracket and provided with a stamped load transfer cap.

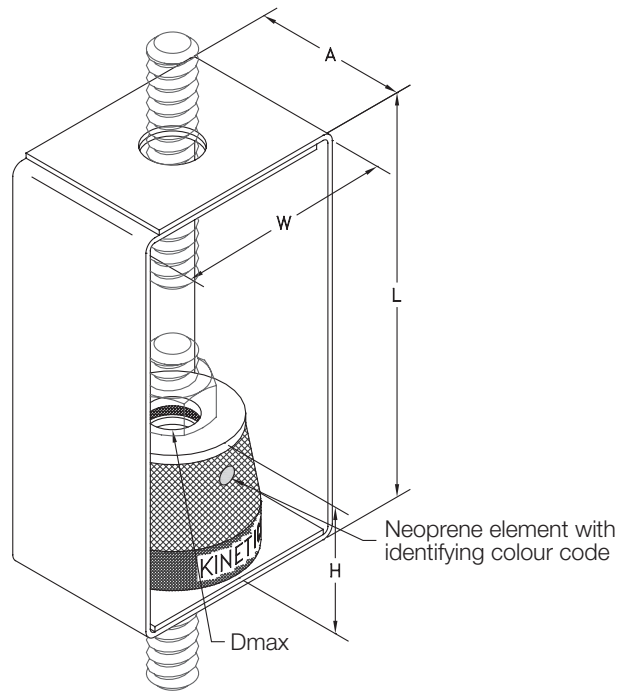
The elastomer insert shall be molded from oil resistant compounds, shall be colour coded to indicate load capacity and selected to operate within its published load range.

The hanger bracket shall be designed to carry a 500% overload without failure and to allow support rod misalignment through a 30° arc without metal to metal contact or other short circuit.



Isolation hangers shall be selected for each specific application to comply with deflection requirements as shown on the Vibration Isolation Schedule or as indicated on the project documents.

Vibration isolation hanger assembly shall be Model RH, as manufactured by and assembled in the UK by CMS Dansk Acoustics.



Kinetics RH Isolation Hangers

Hanger Type	Spring Colour	Load (kg)	Deflection (mm)	L (mm)	W (mm)	A (mm)	H (mm)	Dmax (mm)
RH-75A	Black	34	2	69	55	38	11	10
RH-125A	Black	57	1	69	55	38	11	10
RH-125B	Black	57	9	150	80	57	41	19
RH-175B	Red	79	9	150	80	57	41	19
RH-300B	Green	136	13	150	80	57	41	19
RH-450B	White	204	14	150	80	57	41	19
RH-550D	White	249	10	150	80	57	47	16
RH-700C	Purple	318	14	218	142	92	51	22
RH-1100C	Yellow	499	12	218	142	92	51	22
RH-2000C	Pink	907	13	218	142	92	51	22



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