Kinetics RH Isolation Hangers



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.



- 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.

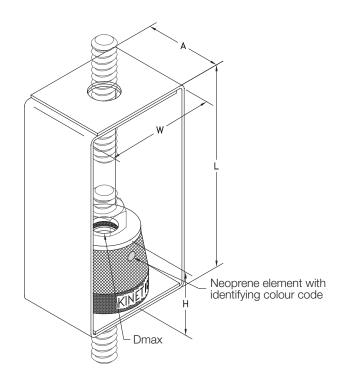




Isolation hangers shall be selected for each specific application to comply with deflection requirements as shown on the Vibration Isolation Schedule or as indicated on the project documents.

Vibration isolation hanger assembly shall be Model RH, as manufactured by and assembled in the UK by CMS Danskin 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 |



Supplied by: CMS Danskin Acoustics

Unit 2, Lyncastle Rd, Appleton, Warrington, WA4 4SN





enquiries@danskin.co.uk

www.cmsdanskin.co.uk



CMS Danskin Acoustics is part of the

IMPORTANT: The information provided within this document is believed correct and to the best of our available knowledge at its revision date and is provided as suggestion for safe handling, storage, transportation, use and disposal. The information should not be considered obligation in respect of warranty of (technical) performance, quality (specification) or suitability for any application or design. The customer must satisfy themself the product (or draft specification) are relevant and suitable for their need and design intent. Prospective users should test a sample of product under their own conditions to satisfy themselves of its suitability for intended purpose and that expert advice be sought where different applications are contemplated. Due to our policy of continuous improvement we reserve the right to alter or amend published specification or design without prior notice. Reproduction of any part of this publication in any manner is not permitted without our prior written consent.