stravilink
by CDM Stravitec

Stravilink PHR*
Datasheet

Stravilink PHR is a Spring Isolation Hanger designed to support suspended ceiling systems, optimising sound insulation between vertically stacked rooms.

BENEFITS

- Cost-effective.
- Low resonance frequency for optimal performance.
- Quick and easy to install.
- Can support and isolate most designs of suspended ceilings as well as technical equipment and ductwork.
- Springs are color coded for differentiation.
- Bespoke hangers can be manufactured to meet specific loading and natural frequency requirements on request.

Perimeter Strip to isolate the ceiling from the adjacent walls is available to order.

*Previously known as CDM-PHR

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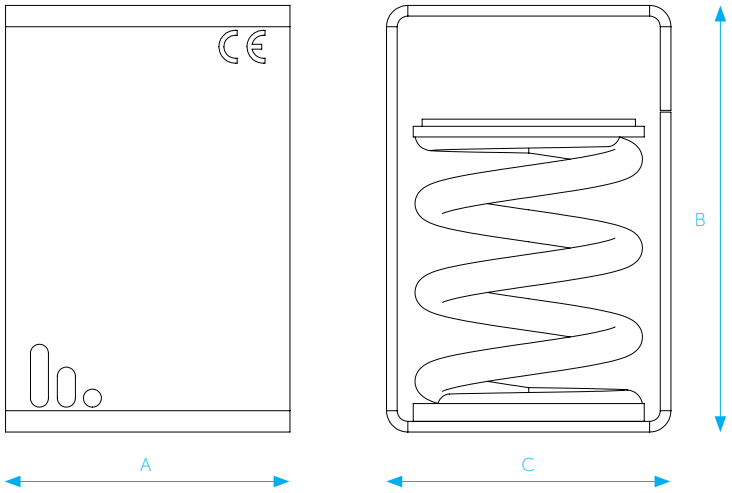
PHYSICAL & MECHANICAL PROPERTIES

- Natural frequency at design load: 4 Hz
- Steel elements are hot dip galvanized, springs are powder coated.

Model	Length (A)		Height (B)		Width (C)		Design Load		Load Range		Spring Color
	inch	mm	inch	mm	inch	mm	lbf	N	lbf	N	
PHR-80	2.09	53	3.15	80	3.15	60	18	80	11-27	50-120	Signal Yellow
PHR-250	2.09	53	3.15	80	3.15	60	55	250	22-88	100-385	Traffic Red
PHR-500	3.15	80	4.72	120	4.72	80	110	500	55-175	245-790	Bright Red/Orange
PHR-1000	3.15	80	4.72	120	4.72	80	225	1000	110-355	490-1580	Blue/Green
PHR-2000	3.15	80	4.72	120	4.72	80	450	2000	240-705	1080-3160	Black

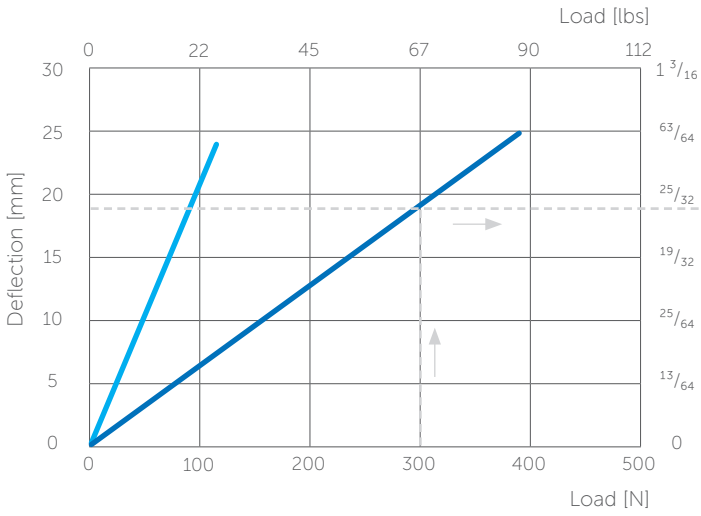


To specify which Stravilink PHR hangers you require our engineers will need the following:

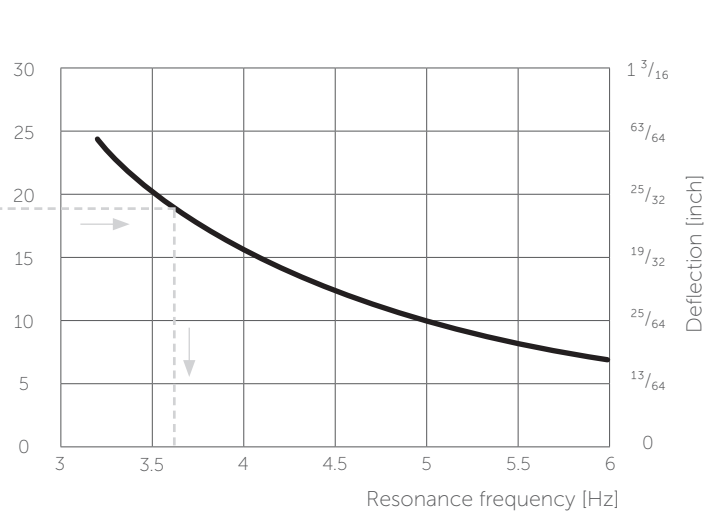
- The weight and construction of the supported ceiling
- The weight of any elements supported off the suspended ceiling or directly off a hanger
- The required void between the supporting soffit and the suspended ceiling

ACOUSTICAL RESULTS

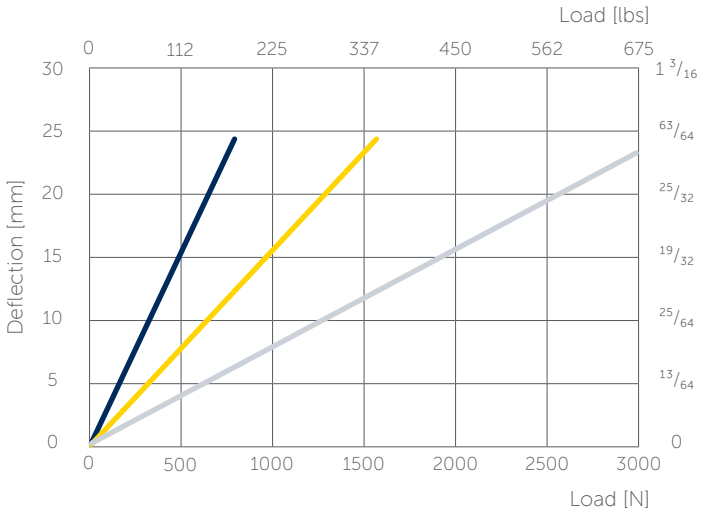
Deflection in function of load



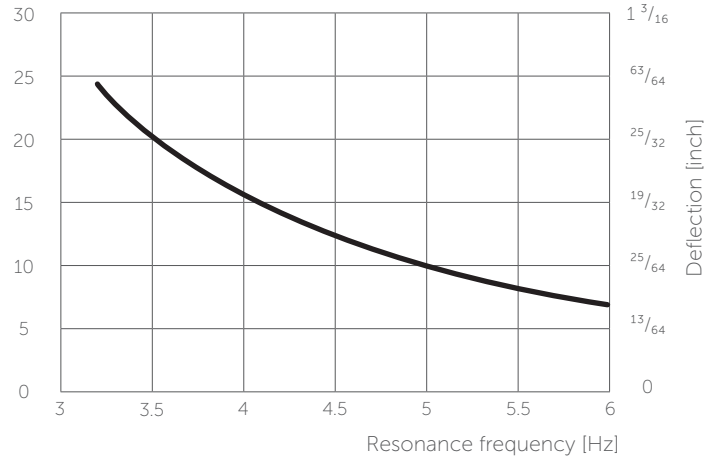
Deflection in function of resonance frequency



Deflection in function of load



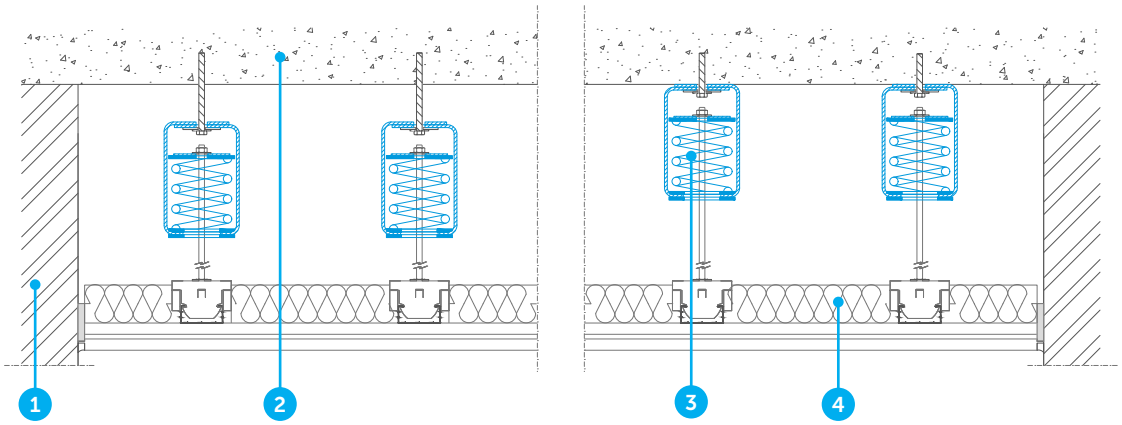
Deflection in function of resonance frequency



PHR-80 PHR-250 PHR-500 PHR-1000 PHR-2000

The resonance frequency of a Stravilink PHR hanger can be determined by its load. One can determine via the graph "deflection in function of load" the deflection at the specified load. Via the curve "deflection in function of frequency" the corresponding resonance frequency can be found. As an example, the resonance frequency of a PHR-250 loaded with 300 N (67 lbs) is determined. The corresponding deflection is 19.1 mm (3/4"). The resonance frequency of a spring at 19.1 mm (3/4") deflection is 3.6 Hz.

TYPICAL ASSEMBLIES



1. Wall
2. Structural slab
3. Stravilink PHR
4. Suspended ceiling

DISCLAIMER

This information is accurate to the best of our knowledge at the time of issue. Information, data and recommendations provided are based on industry accepted testing and prior product usage. It is intended as descriptive of the general capabilities and performance of our products and does not endorse applicability for any particular project. We reserve the right to change products, performance, and data without notice. This document replaces all information supplied prior to the publication hereof.

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