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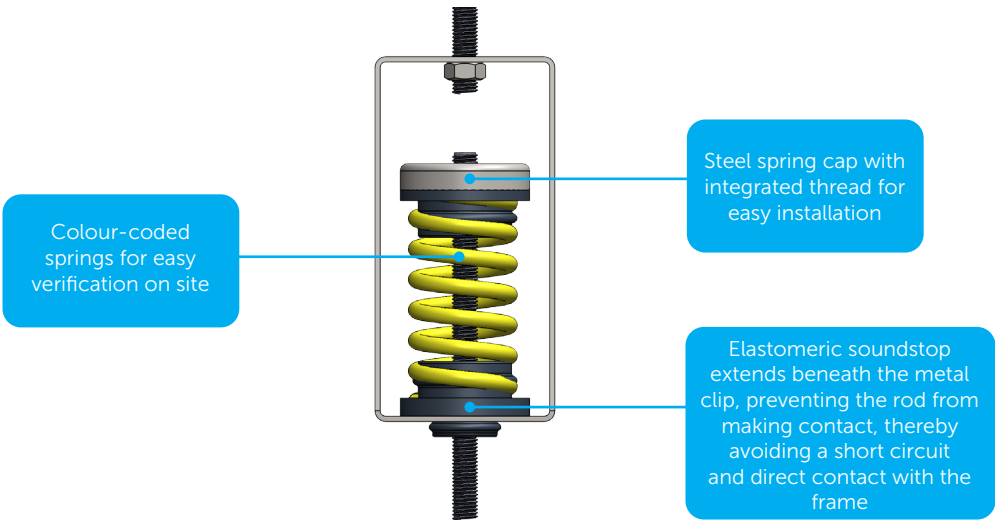
Stravilink DCH-S

Datasheet

Stravilink DCH-S is a Drop Ceiling Hanger using Springs, designed to fit most ceiling voids and seamlessly integrate with all ceiling types. It maximises sound insulation between vertically stacked rooms, ensuring optimal acoustic performance.

FEATURES

- Suitable for installation on various structures, including concrete and cross-laminated timber (CLT) slabs
- Equipped with springs featuring a natural frequency of 4 Hz at design load
- Available in different spring options, supporting loads from 4 to 59 kg
- Colour-coded springs are available for different load ranges, making it easy to verify on-site that the correct spring is used
- Interfaces seamlessly with all ceiling types
- Compact frame (104 mm) allows installation in most acoustic suspended ceiling voids
- Supports variable void depths
- Elastomeric soundstop extends beneath the metal clip, preventing the rod from making contact, thereby avoiding a short circuit and direct contact with the frame
- Simple and fast installation process
- Suitable for supporting low to medium-load ductwork, pipes, and speakers








PACKAGING

Model	Reference	Quantity per Box	Weight per Box [kg]	Dimension of Box [cm]
Stravilink DCH-S75	001983	24	5.64	23 x 15 x 17.3
Stravilink DCH-S150	001984	24	6.06	23 x 15 x 17.3
Stravilink DCH-S230	001985	24	5.40	23 x 15 x 17.3
Stravilink DCH-S340	001986	24	6.72	23 x 15 x 17.3
Stravilink DCH-S455	001987	24	6.90	23 x 15 x 17.3



PHYSICAL & MECHANICAL PROPERTIES

Model	Design Load		Resonance Frequency at Design Load	Load Range (per Hanger)		Spring Colour
	kg	N		kg	N	
Stravilink DCH-S75	7.5	75	< 4	4 - 14.5	40 - 145	Light Ivory 
Stravilink DCH-S150	15	150	< 4	7.5 - 24	75 - 240	Zinc Yellow 
Stravilink DCH-S230	23	230	< 4	11.5 - 31.5	115 - 315	Sky Blue 
Stravilink DCH-S340	34	340	< 4	17 - 44	170 - 440	Silver Grey 
Stravilink DCH-S455	45.5	455	< 4	23 - 59	230 - 590	Pearl Night Blue 

Notes:

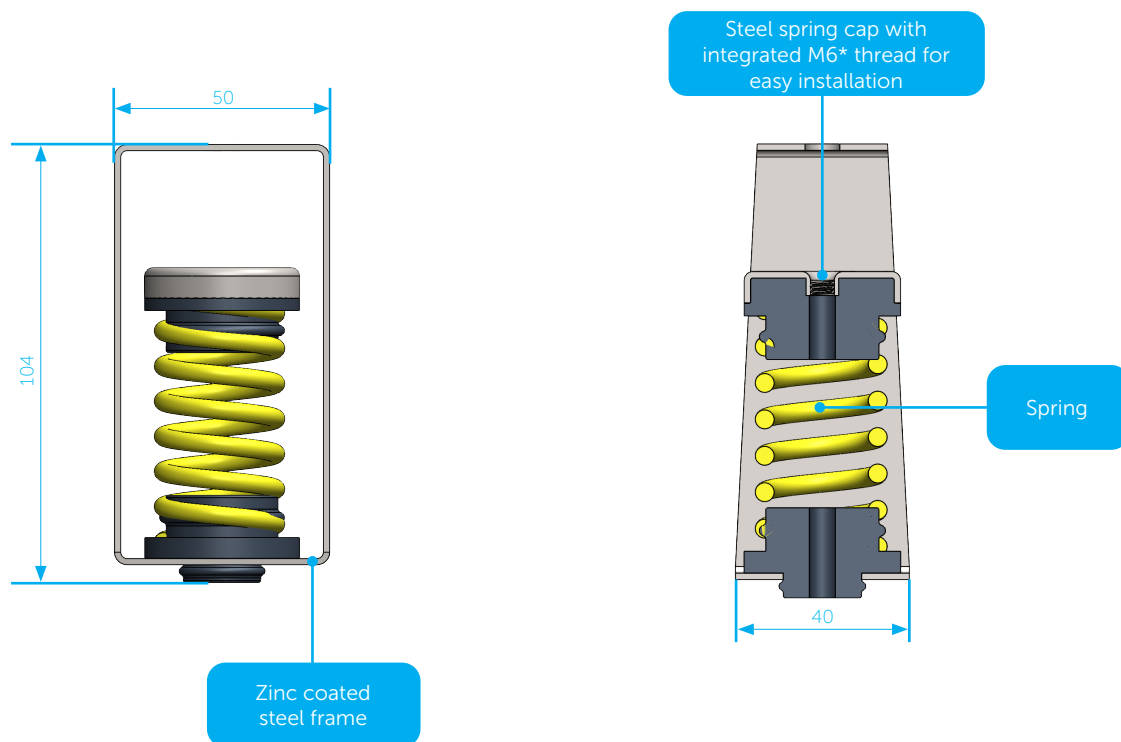
Admissible load of steel elements: 1234 N.

Products are suited up to a C2 environment (atmosphere with little or no degree of pollution).

The temperature range of use is between -30°C and 70°C.

To assess which type is appropriate the following information is needed:

- 1) The weight and construction of the supported ceiling - this will determine the type of hanger;
- 2) The weights and support locations of any items hung from the ceiling.



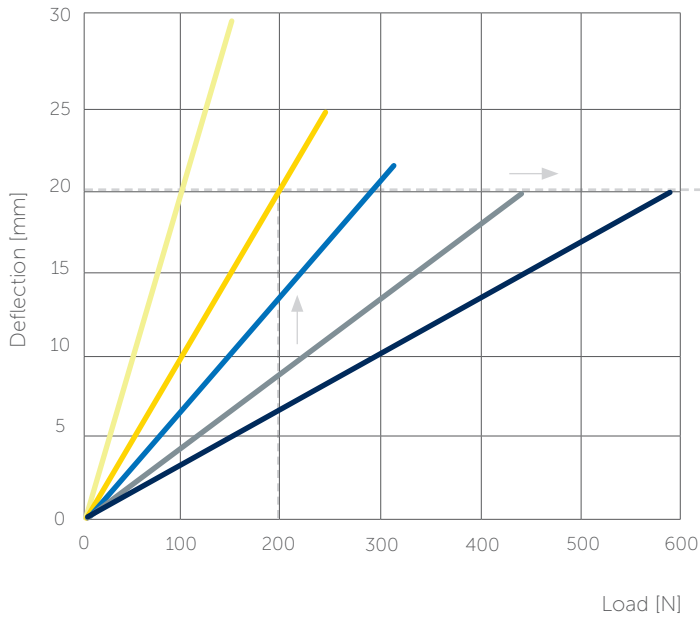
Notes:

All dimensions in millimeters (mm).

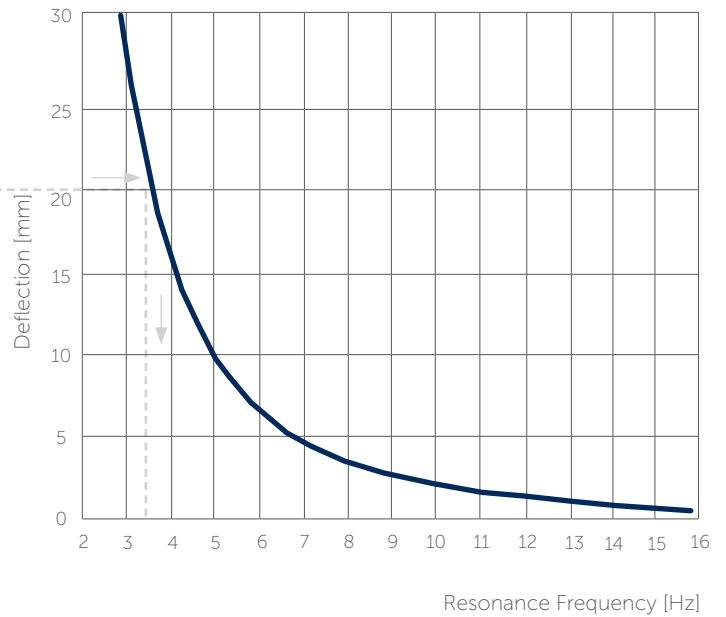
*Available in M8, upon request.



Deflection as Function of Load



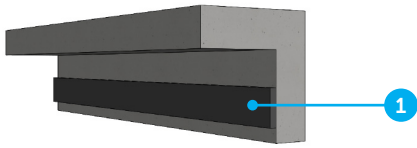
Relationship between Deflection and Resonance Frequency



● Stravilink DCH-S75 ● Stravilink DCH-S150 ● Stravilink DCH-S230 ● Stravilink DCH-S340 ● Stravilink DCH-S455



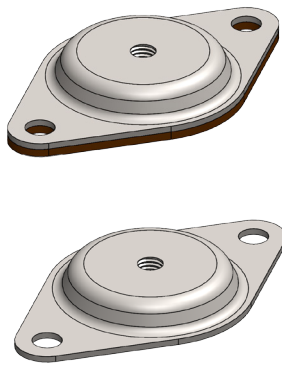
The resonance frequency of a Stravilink hanger can be determined by its load. To start the calculation use the graph "deflection as function of load" this will provide the deflection at the specified load. Then moving horizontally to the right hand side plot "deflection as function of frequency" on which the corresponding resonance frequency can be found. As an example, the resonance frequency of a Stravilink DCH-S150 loaded with 200 N is determined. The corresponding deflection is 20 mm. The resonance frequency of a spring at 20 mm deflection is 3.5 Hz.



Perimeter Strip

1. Self-adhesive perimeter strip 10 mm thick to isolate the ceiling from the adjacent walls.

Note: Standard widths of 50 mm, 100 mm, and 150 mm are available in 10 lm rolls.

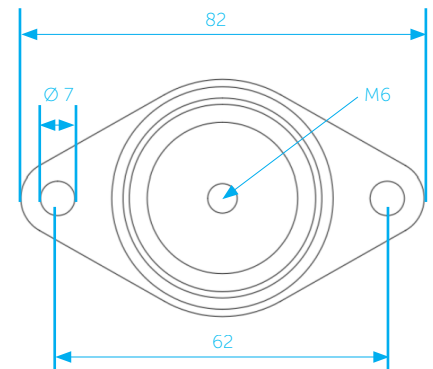


M6 anchor plate

Available with (for settlement on rough surfaces) or without rubber (2 mm)

Material: DX51D+S275

Admissible load of steel element: 3090 N

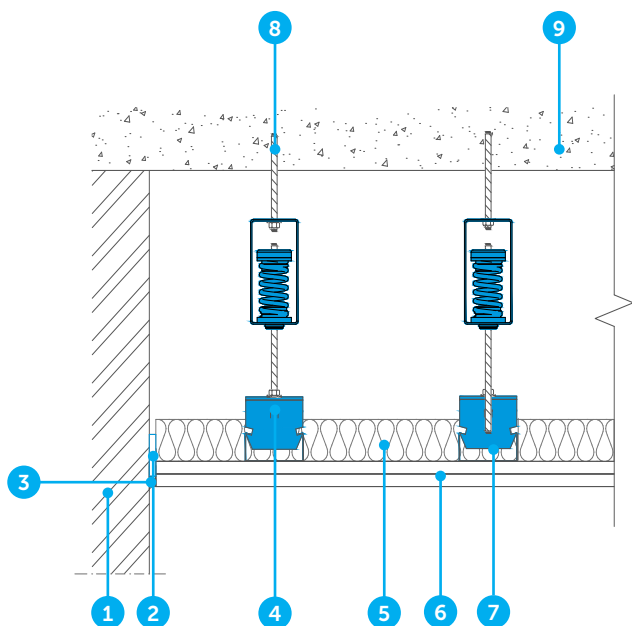


Note: All dimensions in millimeters (mm).



TYPICAL ASSEMBLIES

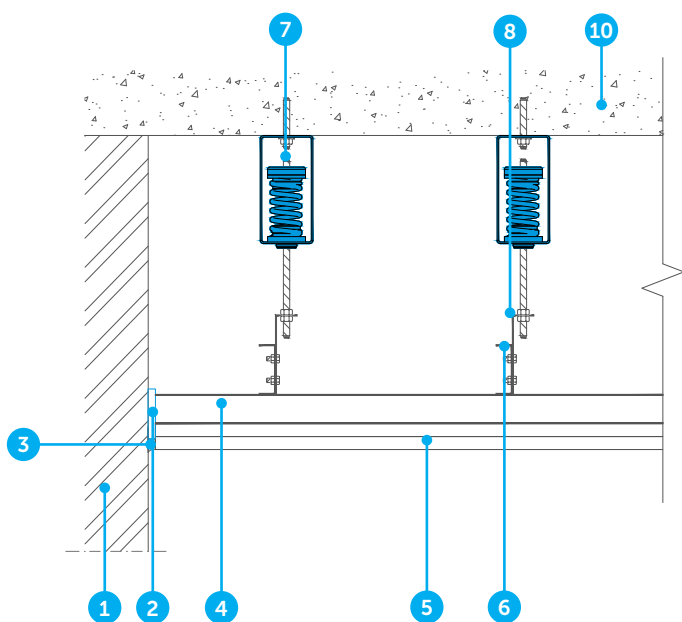
47/60 mm channel



1. Wall
2. Perimeter Strip
3. Elastic caulk
4. C Clip
5. Absorption layer
6. Plasterboards, gypsum board or dry lining
7. 47/60 mm channel
8. Stravilink DCH-S
9. Concrete Slab

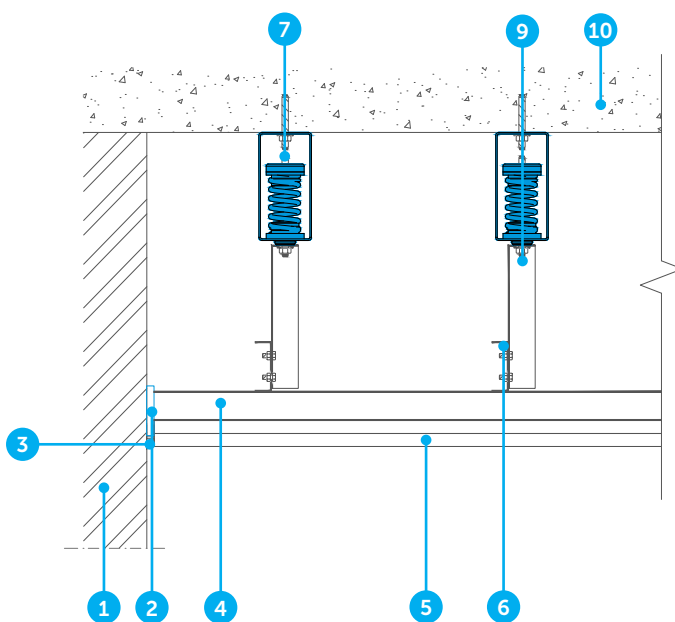
MF grid

Option 1



1. Wall
2. Perimeter Strip
3. Elastic caulk
4. British gypsum MF5 secondary channel
5. Plasterboards, gypsum board or dry lining

Option 2



6. British gypsum MF7 primary channel
7. Stravilink DCH-S
8. Pre-formed angle bracket
9. British gypsum FEA1 angle
10. Concrete Slab

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.