stravilink
by CDM Stravitec

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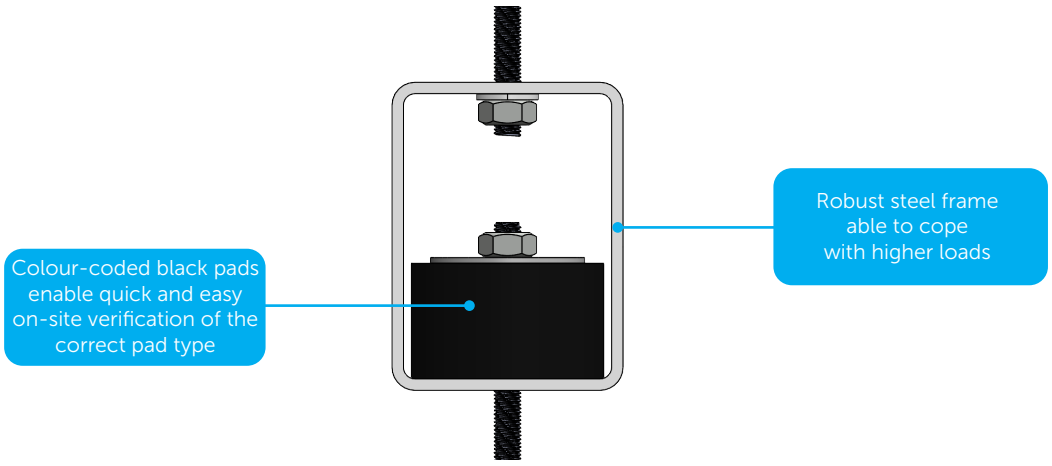
Stravilink ISH-P
Datasheet

Stravilink ISH-P is an Isolation Support Hanger with elastomeric Pads designed to support heavy-duty elements or structures - such as mechanical equipment, ductwork or ceilings with stronger structures - by efficiently handling high suspended loads.

FEATURES

- Robust steel frame, capable of handling high loads, and finished with a hot-dip galvanized coating for enhanced durability
- Equipped with elastomeric pads featuring a natural frequency of less than 8 Hz at design load
- Available in two elastomeric pad grades, supporting loads from 30 to 280 kg
- Colour-coded black pads enable quick and easy on-site verification of the correct pad type
- Interfaces seamlessly with all ceiling types
- Accommodates variable void depths
- Simple and fast installation process



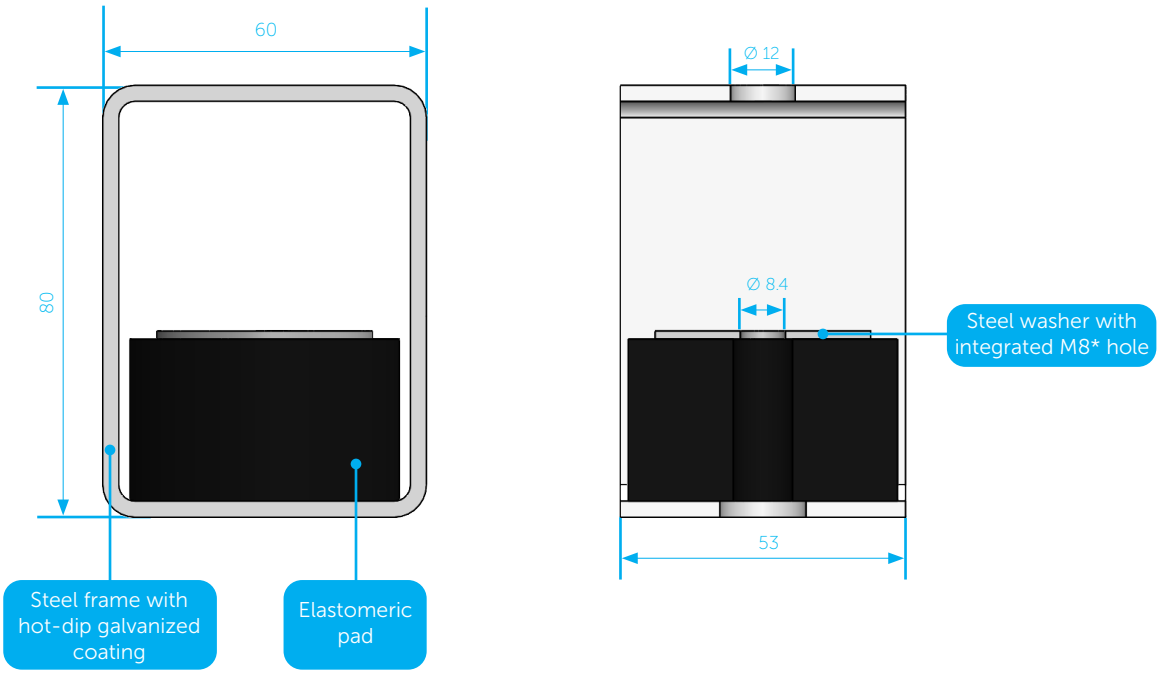
PACKAGING

Model	Reference	Quantity per Box	Weight per Box [kg]	Dimension of Box [cm]
Stravilink ISH-P1200	002024	30	12.0	28 x 18 x 17
Stravilink ISH-P2200	002025	30	12.1	28 x 18 x 17

PHYSICAL & MECHANICAL PROPERTIES

Model	Design Load		Resonance Frequency at Design Load	Load Range (per Hanger)		Pad Colour
	kg	N	Hz	kg	N	
Stravilink ISH-P1200	120	1200	< 7.7	30-150	300-1500	Black with blue paint
Stravilink ISH-P2200	220	2200	< 8	80-280	800-2800	Black with yellow paint

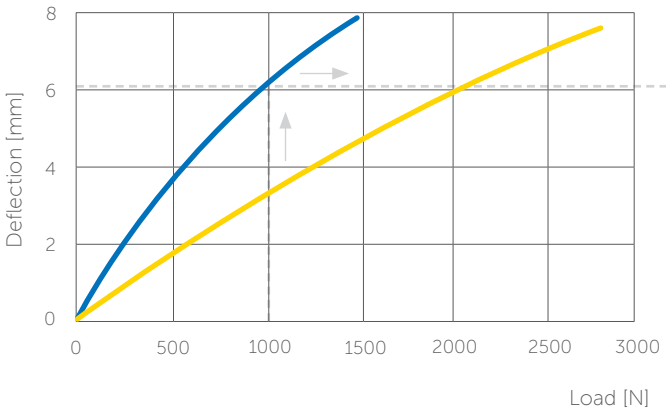
Notes:
Admissible load of steel elements: 4538 N.
Products are suited up to a C2 environment (atmosphere with little or no degree of pollution).
The temperature range of use is between -30°C and 70°C.
To assess which type is appropriate the following information is needed:
1) The weight and construction of the supported element or structure - this will determine the type of hanger;
2) The weights and support locations of any items hung from the ceiling or other supported structure.



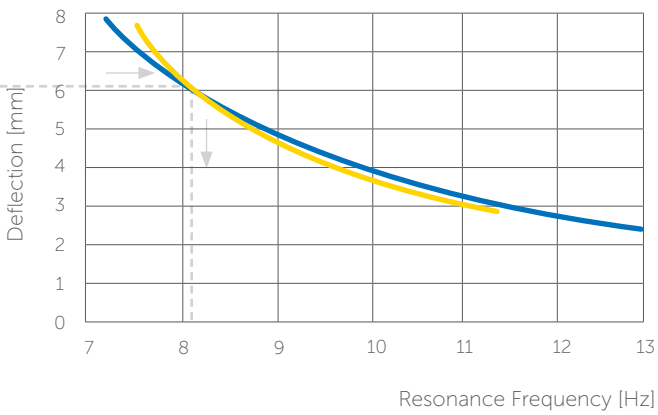
Notes:
All dimensions in milimeters (mm).
*Available in M6 and M12 upon request.

PERFORMANCE GRAPHS

Deflection as Function of Load



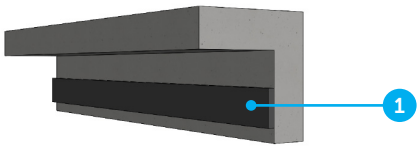
Relationship between Deflection and Resonance Frequency



Stravilink ISH-P1200 Stravilink ISH-P2200

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 ISH-P1200 loaded with 1000 N is determined. The corresponding deflection is 6 mm. The resonance frequency of a spring at 6 mm deflection is 8 Hz.

ACCESSORIES



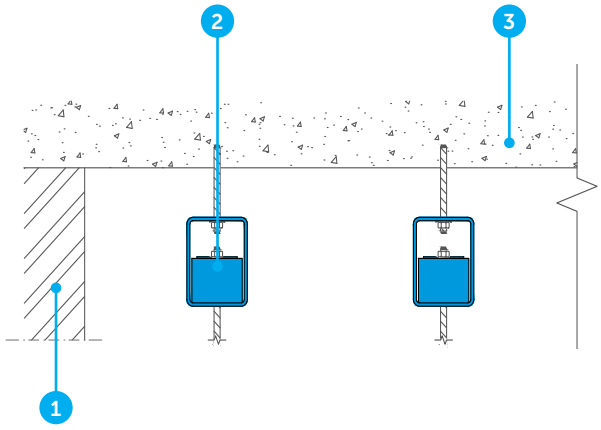
Perimeter Strip

1. Self-adhesive perimeter strip 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.

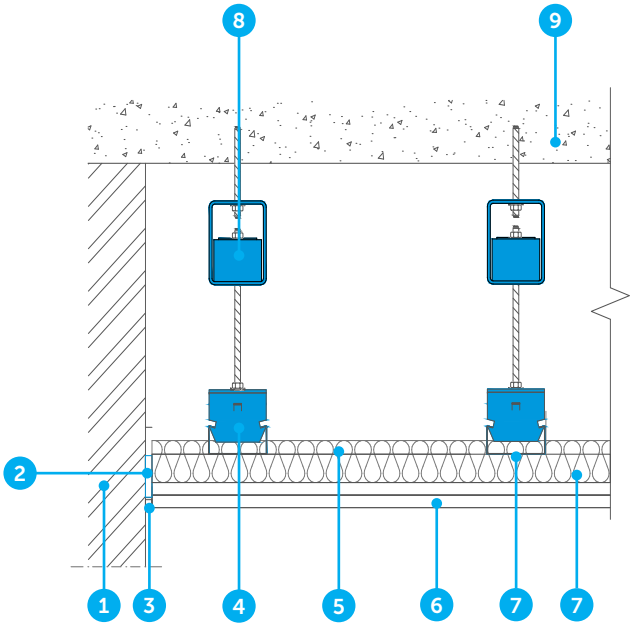
TYPICAL ASSEMBLIES

General principle



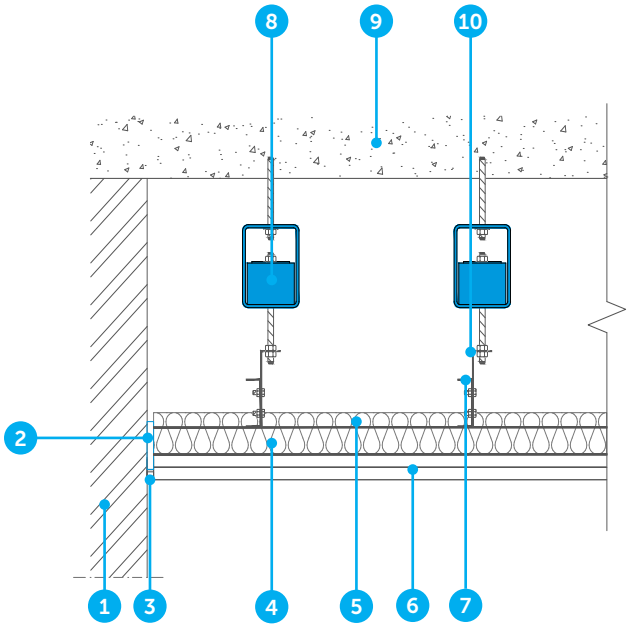
1. Wall
2. Stravilink ISH-P
3. Concrete Slab

47/60 mm channel - double grid



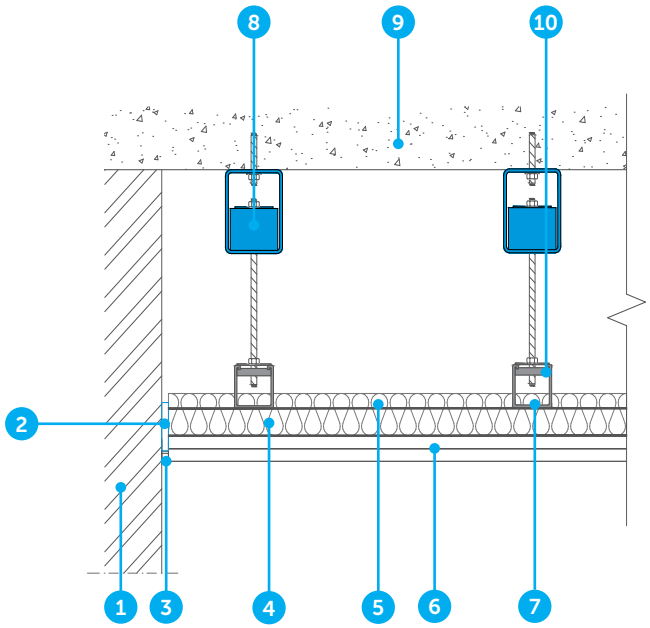
1. Wall
2. Perimeter Strip
3. Elastic caulk
4. C Clip
5. Absortion layer
6. Plasterboards, gypsum board or dry lining
7. 47/60 mm channel
8. Stravilink ISH-P
9. Concrete Slab

MF grid



1. Wall
2. Perimeter Strip
3. Elastic caulk
4. British Gypsum MF5 secondary channel
5. Absortion layer
6. Plasterboards, gypsum board or dry lining
7. British Gypsum MF7 primary channel
8. Stravilink ISH-P
9. Concrete Slab
10. Pre-formed angle bracket

Unistrut + MF5 grid



1. Wall
2. Perimeter Strip
3. Elastic caulk
4. British Gypsum MF5 secondary channel
5. Absortion layer
6. Plasterboards, gypsum board or dry lining
7. Unistrut primary channel
8. Stravilink ISH-P
9. Concrete Slab
10. Channel nut

DISCLAIMER

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