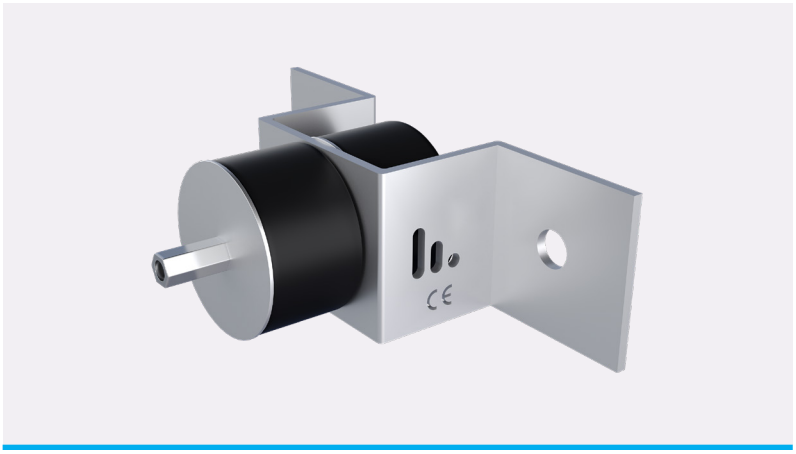

stravilink
by CDM Stravitec

SCAN ME

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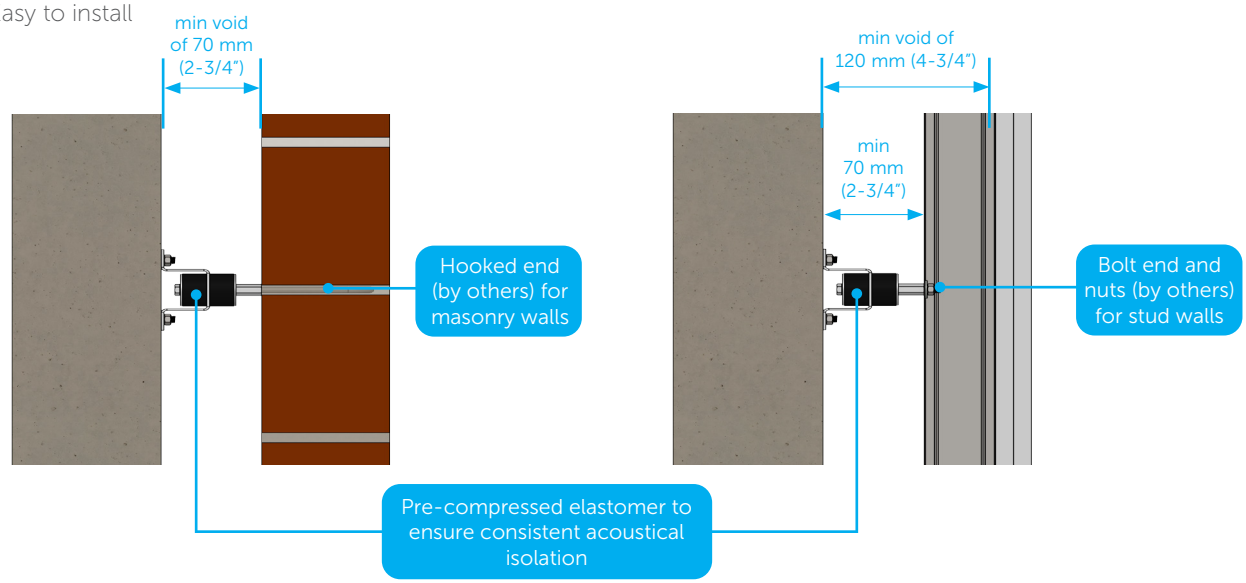
Stravilink WH
Datasheet

Stravilink WH is a resilient wall tie, enabling walls to be mechanically tied together without rigidly connecting them. Walls can be either stud walls (via bolt end) or masonry block walls (via hooked end).

FEATURES

- Elastomeric pad is pre-compressed to enhance acoustic isolation, guaranteeing a natural frequency of 10 Hz at design load
- Ensure quiet space performs as designed
- Add structural integrity to isolated partitions, preventing wall buckling
- Fixings can be adapted to wall type: bolt end for stud walls or hooked end for masonry walls
- In stud walls, a minimum distance between the support wall and vertical profile of 70 mm (2-3/4") is possible when using a metal C-stud of 50 mm (2") wide, resulting in a minimum void of 120 mm (4-3/4")
- In masonry walls, a minimum void depth of 70 mm (2-3/4") is possible
- Can be adapted to meet different void depths by using longer studding or hooked bolt
- Each Stravilink WH wall tie can take up to 65 kg (146 lbs) of assigned wall weight
- Steel parts are zinc-plated for long-term durability
- Two holes for direct fixing, allowing easy attachment to the supporting structure
- Easy to install



PACKAGING

Model	Reference	Quantity per Box	Weight per Box [kg (lbs)]	Dimension of Box [cm (inch)]
Stravilink WH	002034	50	7.5 (16.5)	28 x 18 x 17 (11'' x 7-1/16'' x 6-11/16'')

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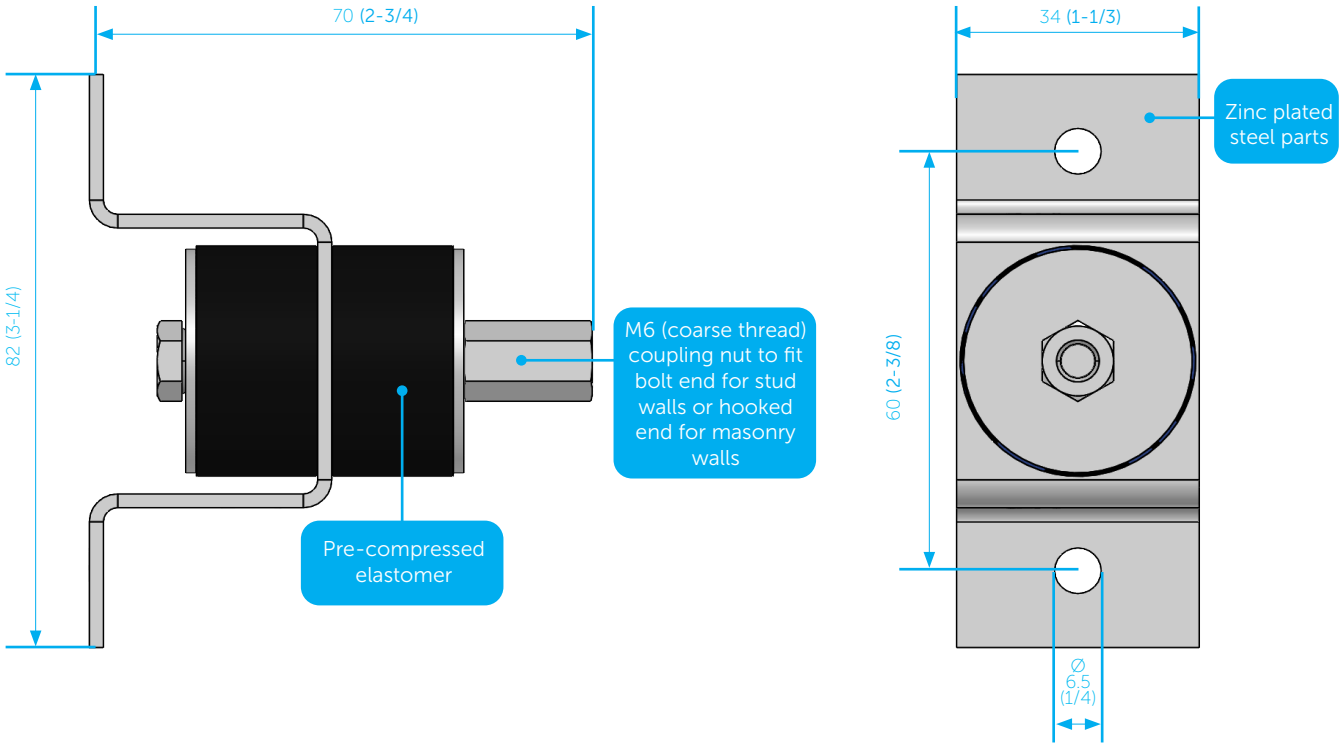
PHYSICAL & MECHANICAL PROPERTIES

Max. Assigned Weight [kg (lbs)]	Max. Rated Axial Load [N (lbs)]	Max. Deflection of Wall Support [mm (inch)]	Elastomer Colour
65 (146)	560 (126)	Masonry wall: up to 100 mm (4") void: 8 (5/16) Plasterboard wall: 100 mm (4") up to stud: 8 (5/16)	Black

Notes:
- 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 (-22°F) and 70°C (158°F).
- Maximum assigned weight = the maximum weight of the wall that is assigned to 1 wall tie, which will cause a dynamic axial load on the wall tie. See "Natural Frequency vs Assigned Weight" - graph for corresponding frequencies.
- Maximum rated axial load = (temporary) static axial load on the wall tie, e.g. windloads and impact loads. See "Axial Displacement vs Rated Axial Load" - graph for corresponding deflections.
- Resistance to vertical motion = maximum allowed vertical displacement. The deflection of the wall support should not exceed the maximum allowed vertical displacement of the wall tie.



Note:
All dimensions in millimeters (inches) [mm (inch)].

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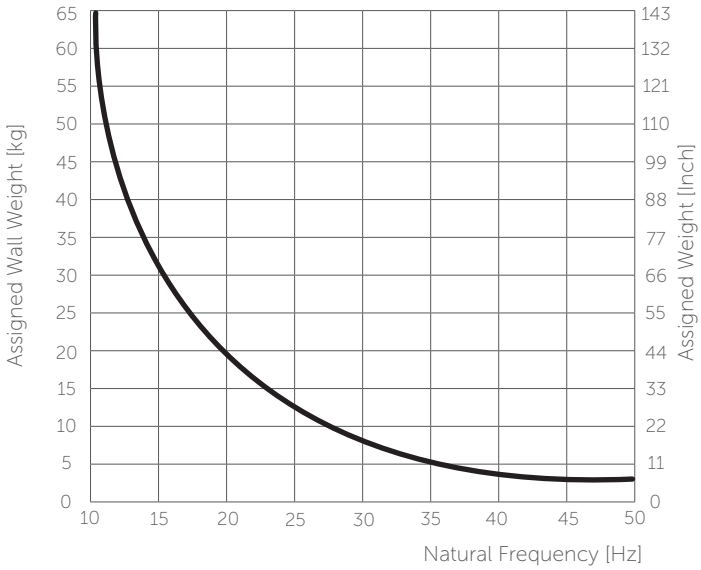
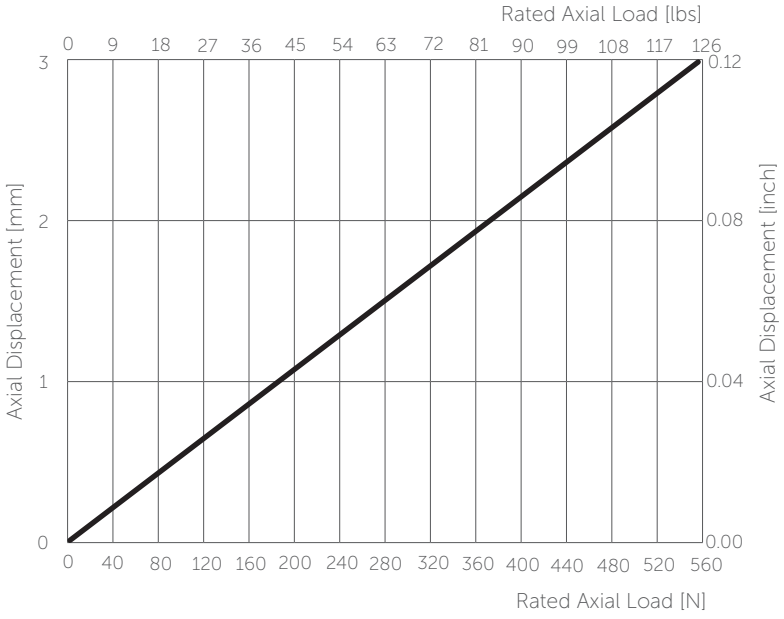
PERFORMANCE GRAPHS

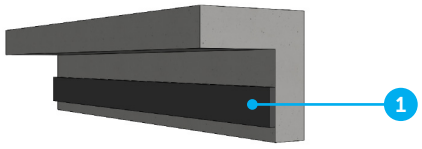
Natural Frequency under Assigned Wall Weight



Rated Axial Load and Deflection



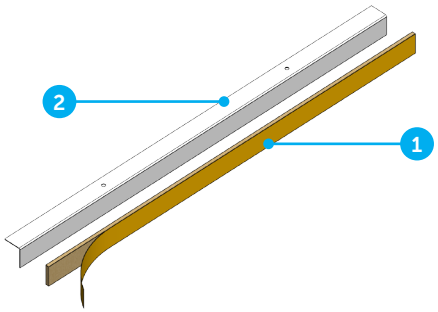
ACCESSORIES



Perimeter Strip

1. Self-adhesive perimeter strip 10 mm (3/8") thick to isolate the isolated wall from the ceiling, floor or any wall penetrations.

Note: Standard widths of 50 mm (2"), 100 mm (4"), and 150 mm (6") are available in 10 m (32' 9-11/16") rolls.

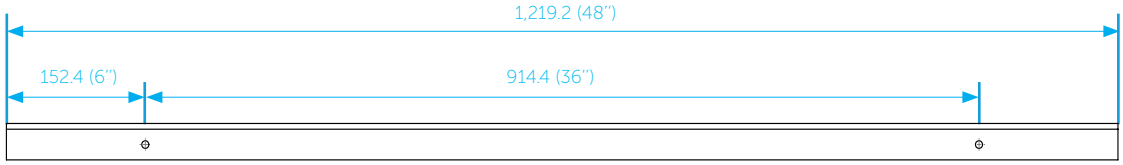


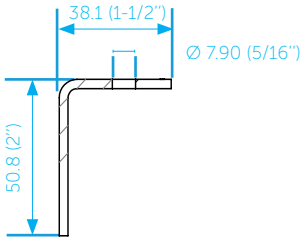
Stravilink RHD

A Resilient Head Detail isolating the head connection wall from the construction above whilst providing lateral restraint.

1. Self-adhesive perimeter strip 10 mm (3/8") thick.
Note: Standard width of 50 mm (2"), is available in 10 m (32' 9-11/16") rolls.

1. 2. Steel angle 50.8 x 38 x 3 mm (2" x 1-1/2", 11 gauge) of 1.2 m (48") in length.
Note: Including two clearance holes of 7.9 mm (5/16") for fixation into ceiling.





Notes:
Block walls can be supported using Stravilink WallStrip to minimize flanking transmission.
Stud walls can be supported and fixed with Stravilink WallFix to reduce flanking transmission and enhance structural integrity.

Note:
All dimensions in millimeters (inches).

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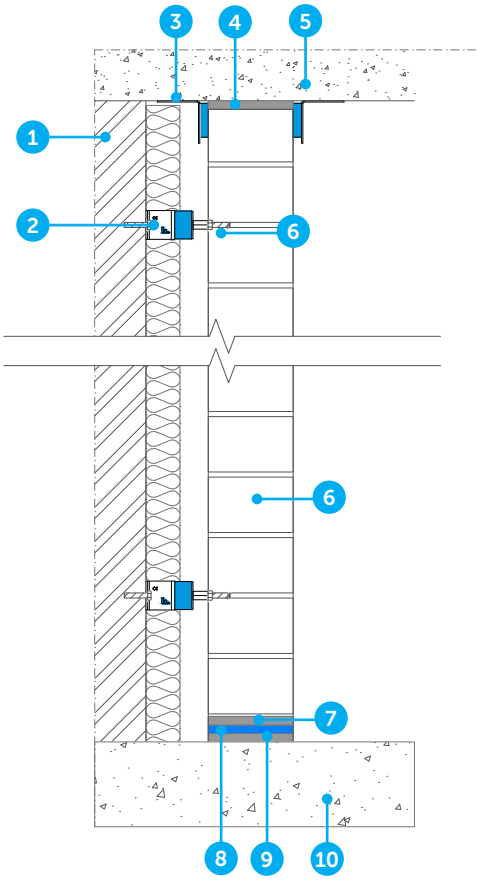
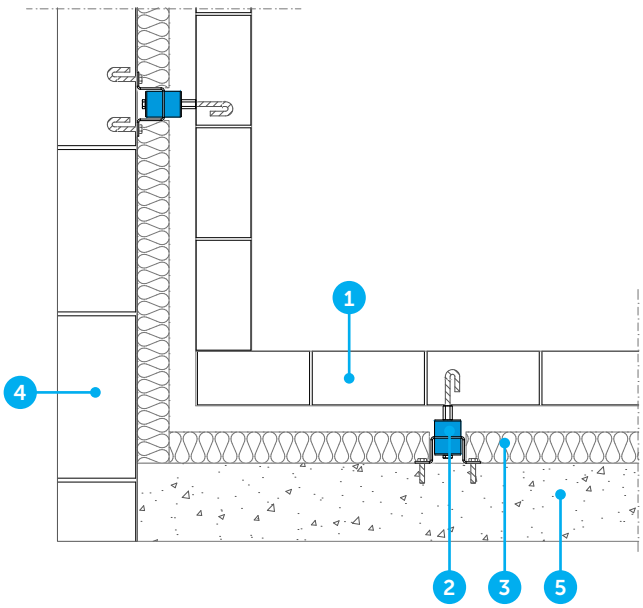
Masonry Wall - Elevation View and Plan View



1. Wall
2. Stravilink WH
3. Stravilink RHD
4. Stravilink WallStrip (optional)
5. Concrete slab
6. Masonry wall
7. Mortar bed
8. Stravilink WallStrip
9. Mortar bed (optional)
10. Base structure



1. Masonry wall
2. Stravilink WH
3. Absorption layer
4. Supporting wall (Masonry)
5. Supporting wall (Concrete)

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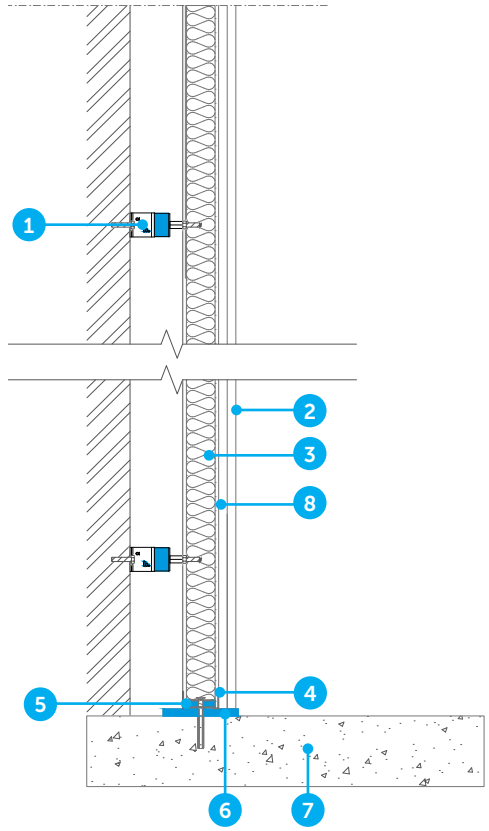
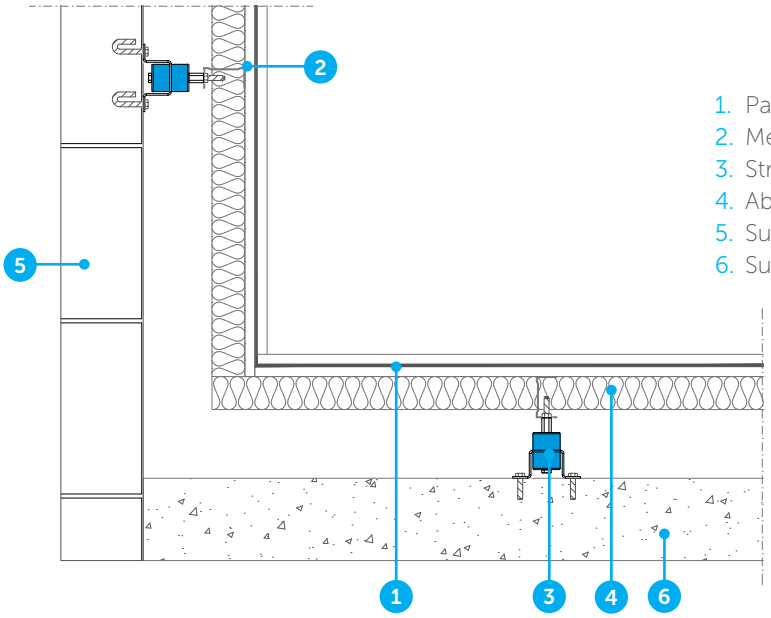
Partition Wall - Elevation View and Plan View



1. Stravilink WH
2. Plasterboards, gypsum boards, or dry lining (by others)
3. Absorption layer
4. Metal runner
5. Stravilink WallFix Washer
6. Stravilink WallFix Strip
7. Structural floor
8. Metal stud



1. Partition wall
2. Metal stud
3. Stravilink WH
4. Absorption layer
5. Supporting wall (Masonry)
6. Supporting wall (Concrete)

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DISCLAIMER

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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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