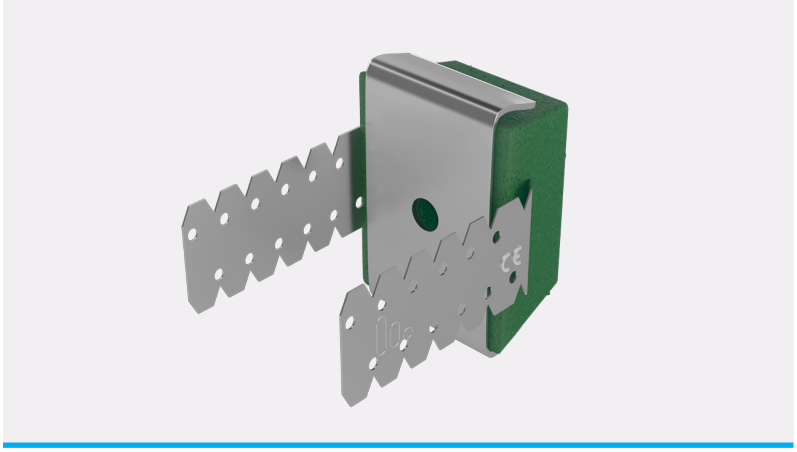

stravilink
by CDM Stravitec

SCAN ME

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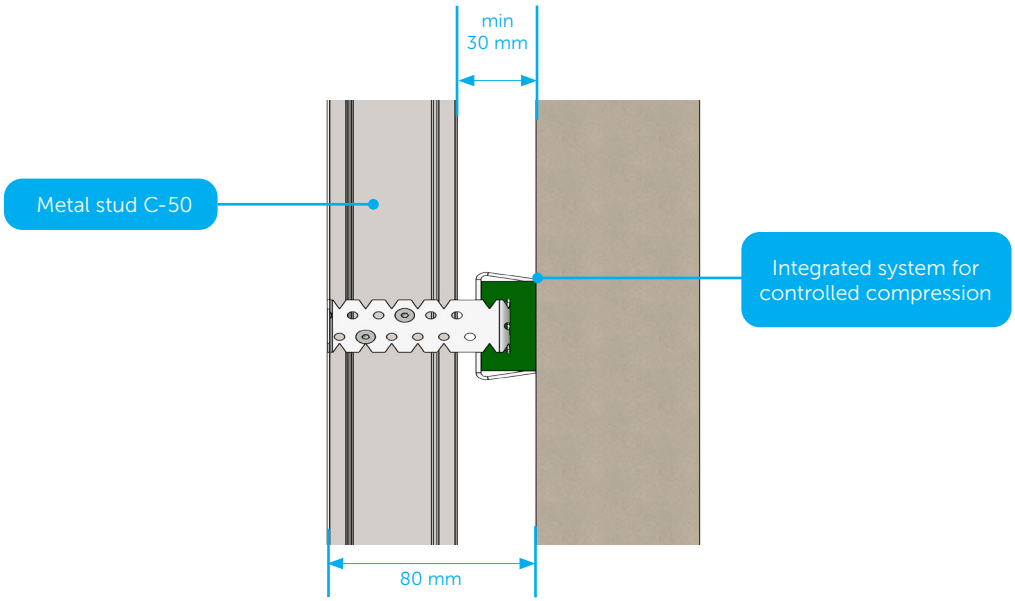
Stravilink QR
Datasheet

Stravilink QR acoustic brackets are engineered to acoustically isolate wall lining systems, enhancing the overall sound performance of the wall assembly.

FEATURES

- Allows a minimum distance between the support wall and vertical profile of 30 mm, and a total void of 80 mm when used with a metal C-stud of 50 mm wide
- Enables construction of wall lining systems with varying air void thicknesses to meet specific acoustic or design needs
- Each Stravilink QR wall tie can take up to 16 kg of assigned wall weight
- All steel components are zinc-plated for enhanced durability
- Direct fixing requiring only one screw
- Integrated system for controlled compression
- Pre-drilled strips are easily bent into place on the vertical profile for quick and secure installation
- Cost-effective solution
- Fast and simple installation since it is designed for quick, straightforward setup with minimal components



PACKAGING

Model	Reference	Quantity per Box	Weight per Box [kg]	Dimension of Box [cm]
Stravilink QR	000499	50	6	35 x 23 x 18

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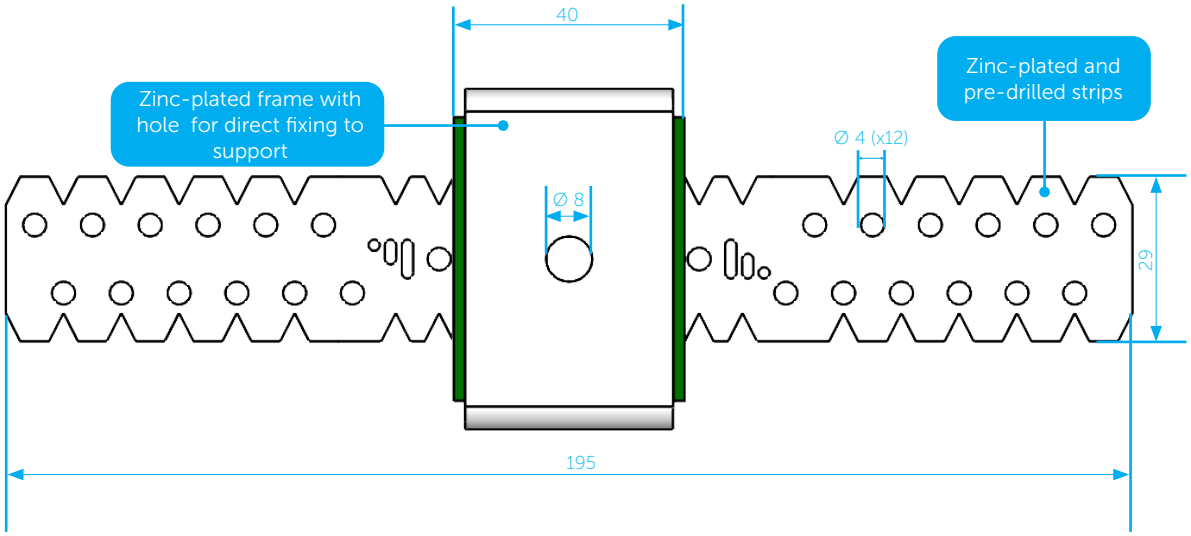
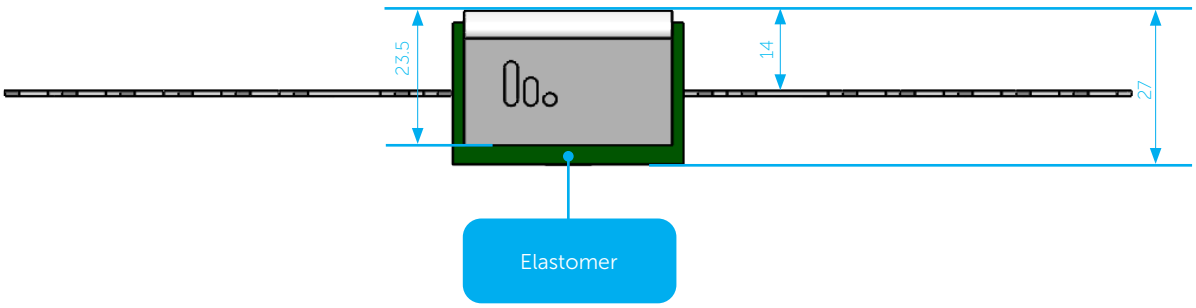
PHYSICAL & MECHANICAL PROPERTIES

Max. Assigned Weight [kg]	Max. Rated Axial Load [N]	Max. Deflection of Wall Support [mm]	Elastomer Colour
16	160	For void of 80 mm: 30 For void of 100 mm: 42	Green

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 and 70°C.
- 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.
- Max. deflection of wall support = 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 milimeters (mm).

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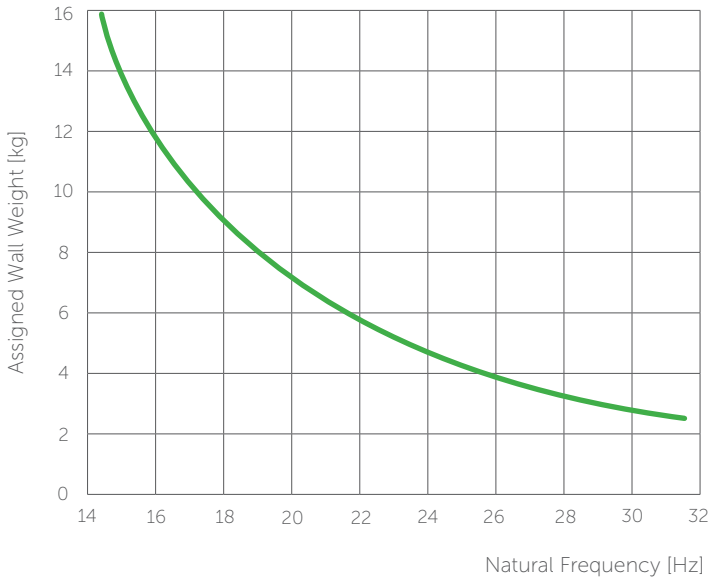
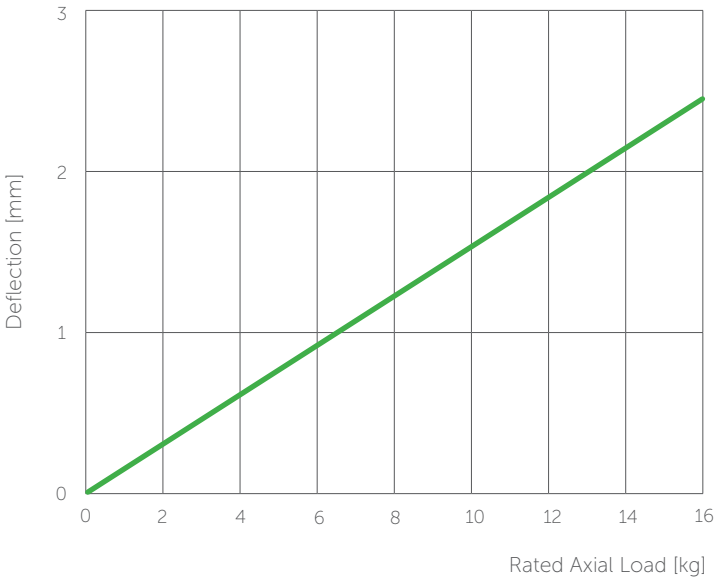
PERFORMANCE GRAPHS

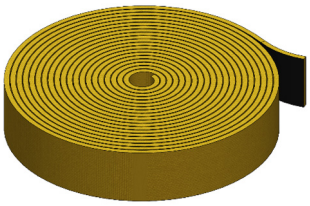
Natural Frequency under Assigned Wall Weight



Rated Axial Load and Deflection



ACCESSORIES



Perimeter Strip

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.

Note:
The wall can be supported using the Stravilink WallFix system, with constraints provided either by the same system or by the Stravilink RHD.

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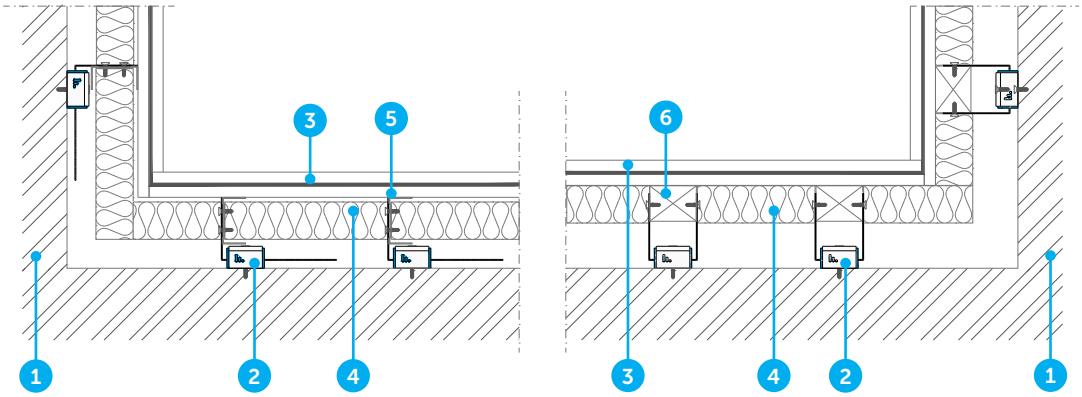
TYPICAL ASSEMBLIES



1. Wall
2. Stravilink QR
3. Plasterboard, gypsum board or dry lining with optional damping layer
4. Absorption layer
5. Wall stud: metal c-stud
6. Wall stud: wooden batten

ACOUSTIC RESULTS

Test Setup 1

1. 190 mm heavy masonry wall
2. Stravilink QR
3. 50 mm total air cavity with 30 mm insulation material
4. 2x 12.5 mm gypsum board
5. Stravilink WallFix to secure and acoustically decouple the top and bottom of the stud structure

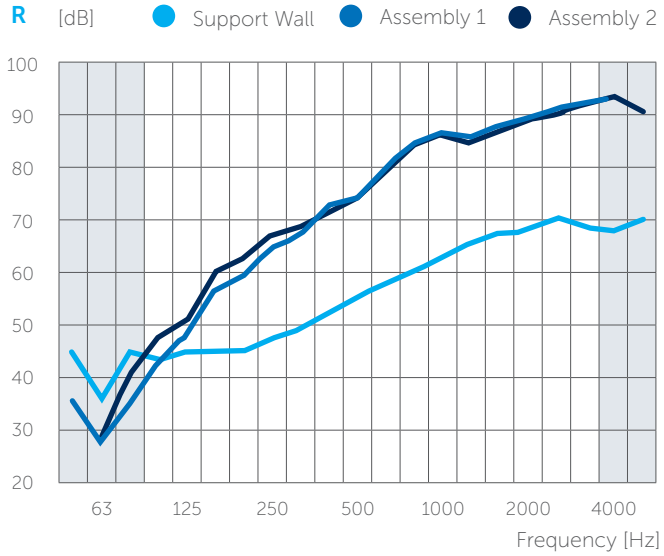
Test Setup 2

1. 190 mm heavy masonry wall
2. Stravilink QR
3. 50 mm total air cavity with 30 mm insulation material
4. 2x 12.5 mm gypsum board with 3 mm Damping Layer in between
5. Stravilink WallFix to secure and acoustically decouple the top and bottom of the stud structure

Setup	$R_W (C,C_{tr})$
Assembly 1	73 (-4;-11)
Assembly 2	75 (-2;-9)
Support Wall	60 (-2;-5)

Laboratory report available upon request
Setup 1: test report number AC5727
Setup 2: test report number AC5728

Frequency [Hz]	R [dB]		
	Assembly 1	Assembly 2	Support Wall
50	36.3	35.6	45.3
63	28.5	29.1	36.1
80	35.7	41.6	45.4
100	43,7	48.0	43.9
125	48.8	51.8	45.3
160	57.3	60.6	45.5
200	60.2	62.7	45.7
250	65.1	67.1	48.3
315	67.9	68.8	49.8
400	72.5	72.2	52.5
500	74.5	74.2	55.7
630	80.4	80.4	58.3
800	84.7	84.8	60.9
1000	86.6	86.4	63.4
1250	85.8	84.8	66.0
1600	88.1	86.9	67.6
2000	89.5	88.7	68.5
2500	91.3	90.7	70.6
3150	92.0	91.7	68.8
4000	93.5	93.5	68.1
5000	90.4	90.4	70.6



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REUTENBEEK 9-11, 3090 OVERIJSE, BELGIUM
T +32 2 687 79 07 / INFO@CDM-STRAVITEC.COM / WWW.CDM-STRAVITEC.COM

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