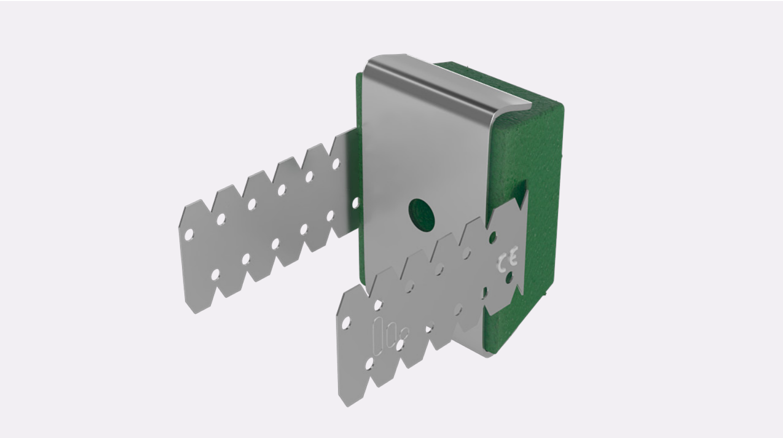


stravilink
by CDM Stravitec

SCAN ME

Scan here for access to solution website page for other documents

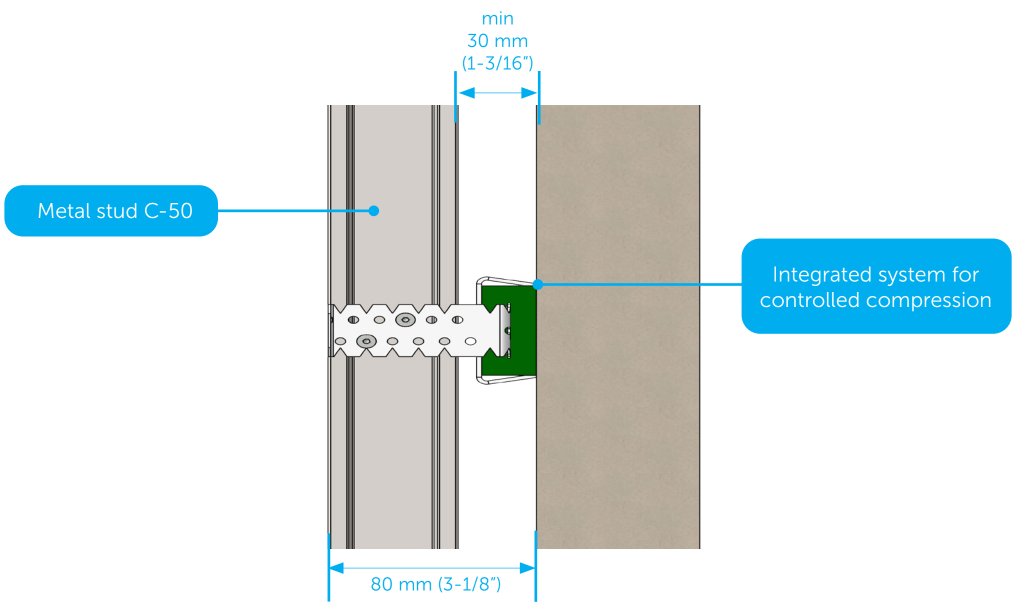
Stravilink QR

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 (1-3/16''), and a total void of 80 mm (3-1/8'') when used with a metal C-stud of 50 mm (2'') 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 (35 lbs) 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 pins 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



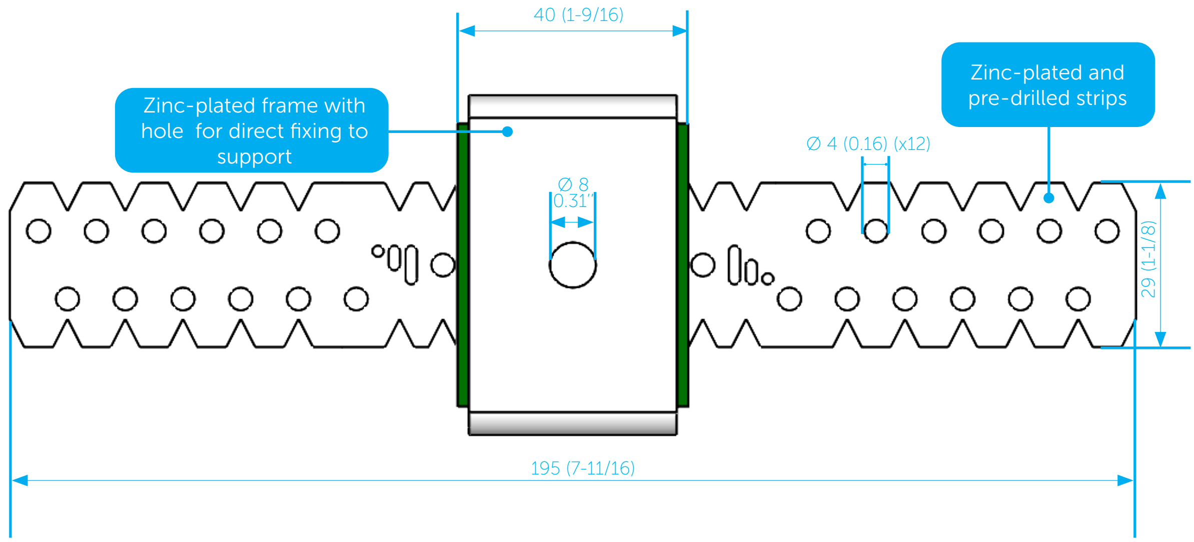
PACKAGING

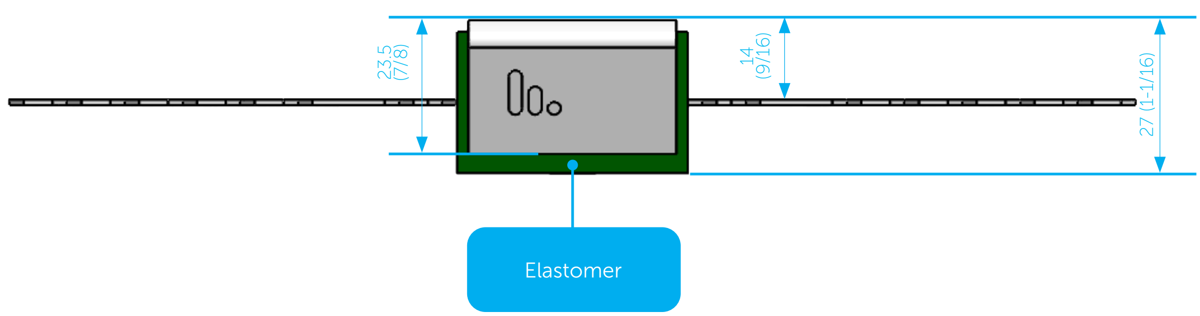
Model	Reference	Quantity per Box	Weight per Box [kg (lbs)]	Dimension of Box [cm (inch)]
Stravilink QR	000499	50	6 (13.2)	35 x 23 x 18 (13-3/4'' x 9-1/16'' x 7-1/16'')

CANADA TORONTO / T (905) 265-7401
UNITED STATES LANCASTER / T (888) 454-6236
INFO-CA@CDM-STRAVITEC.COM / INFO-US@CDM-STRAVITEC.COM / WWW.CDM-STRAVITEC.COM

Max. Assigned Weight [kg (lbs)]	Max. Rated Axial Load [N (lbs)]	Max. Deflection of Wall Support [mm (inch)]	Elastomer Colour
16 (35)	160 (35)	For void of 80 mm (3-1/8"): 30 (1-1/5) For void of 100 mm (4"): 42 (1-5/8)	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 (-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.

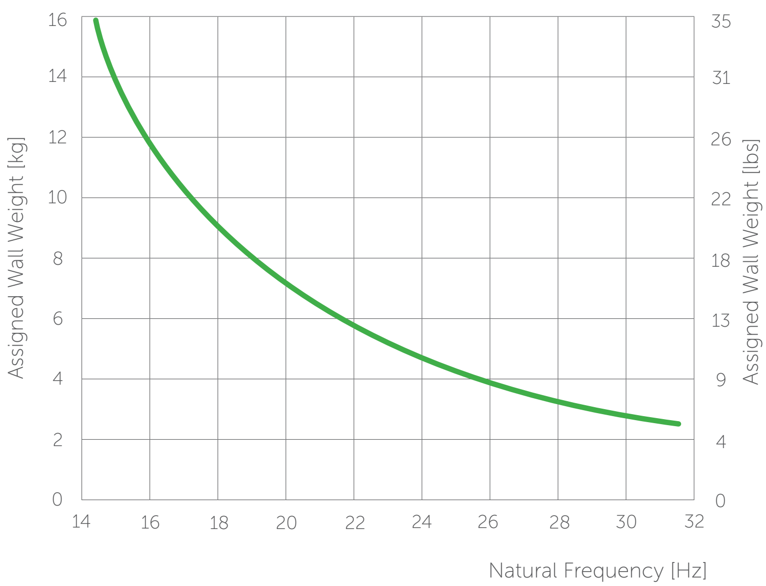




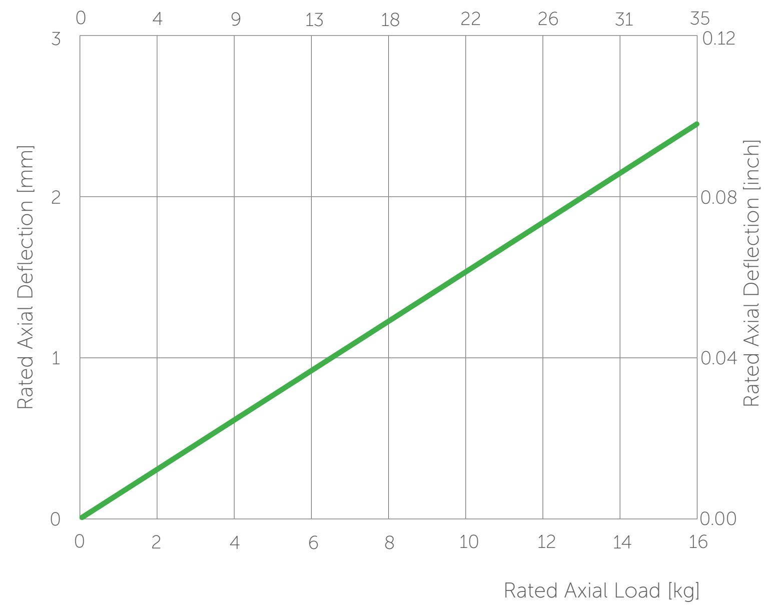
Note:
All dimensions in millimeters (inches) [mm (inch)].

PERFORMANCE GRAPHS

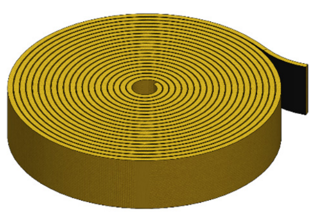
Natural Frequency under Assigned Wall Weight



Rated Axial Load and Deflection



ACCESSORIES



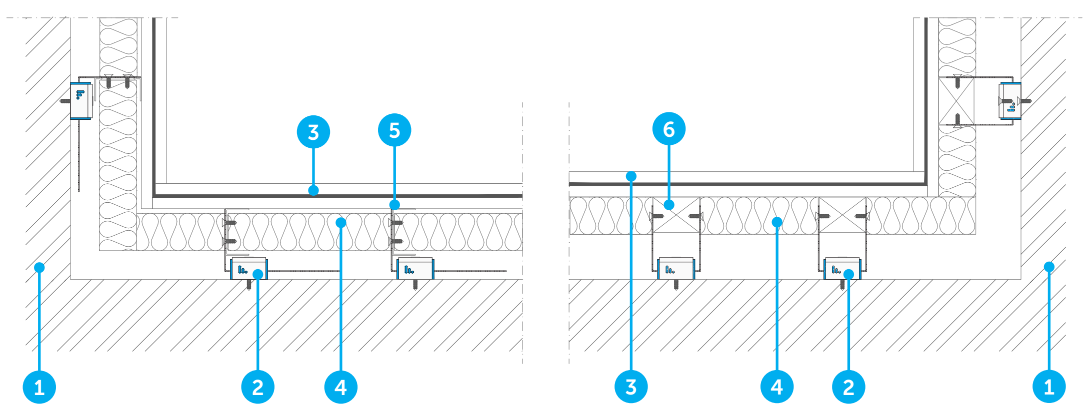
Perimeter Strip

Self-adhesive perimeter strip 10 mm (3/8") thick to isolate the ceiling from the adjacent walls.

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

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

CANADA TORONTO / T (905) 265-7401
UNITED STATES LANCASTER / T (888) 454-6236
INFO-CA@CDM-STRAVITEC.COM / INFO-US@CDM-STRAVITEC.COM / WWW.CDM-STRAVITEC.COM

Test Setup 1

1. 190 mm (7-1/2") heavy masonry wall
2. Stravilink QR
3. 50 mm (2") total air cavity with 30 mm (1-3/16") insulation material
4. 2x 12.5 mm (1/2") gypsum board

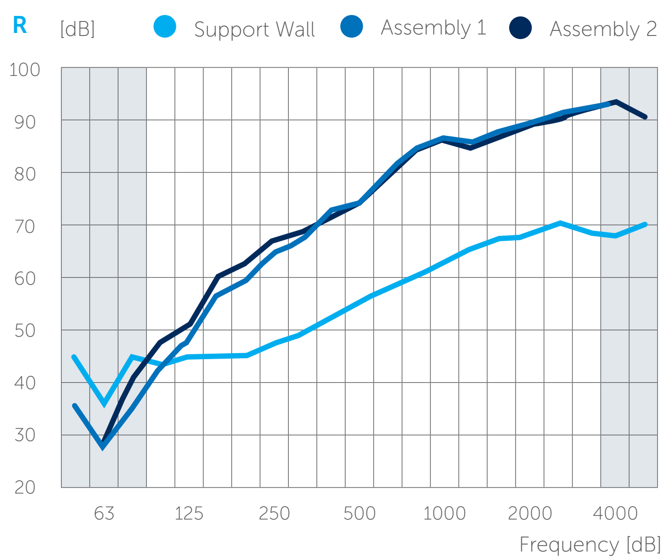
Test Setup 2

1. 190 mm (7-1/2") heavy masonry wall
2. Stravilink QR
3. 50 mm (2") total air cavity with 30 mm (1-3/16") insulation material
4. 2x 12.5 mm (1/2") gypsum board with 3 mm (1/8") Damping Layer in between

Setup	STC
Assembly 1	73
Assembly 2	76
Support Wall	60

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



DISCLAIMER

The documentation prepared by CDM Stravitec (including but not limited to installation guidelines) contain generally accepted procedures for a successful installation of Stravilink QR for acoustically isolated ceiling hanger. Any part of the suggestions presented herein, or other documentation, may be followed, modified, or rejected by the owner, engineer, contractor, and/or their representative(s) since they, and not CDM Stravitec, are responsible for planning and execution procedures appropriate to a specific application. CDM Stravitec reserves the right to alter in part or in whole the documentation prepared as well any recommendations included. It is the responsibility of the Client (direct or indirect) to ensure they have always the latest documentation and to that effect CDM Stravitec encourage contact with its local representatives to review any project specific modifications to the suggested guidelines prior to the start of the installation on site.

This documentation prepared by CDM Stravitec contains loading information for the Stravilink QR for acoustically isolated walls. It should be noted that any loading information contained herein represent the loading information for the Stravilink QR only as supplied to the Client.

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.

CANADA TORONTO / T (905) 265-7401
UNITED STATES LANCASTER / T (888) 454-6236
INFO-CA@CDM-STRAVITEC.COM / INFO-US@CDM-STRAVITEC.COM / WWW.CDM-STRAVITEC.COM