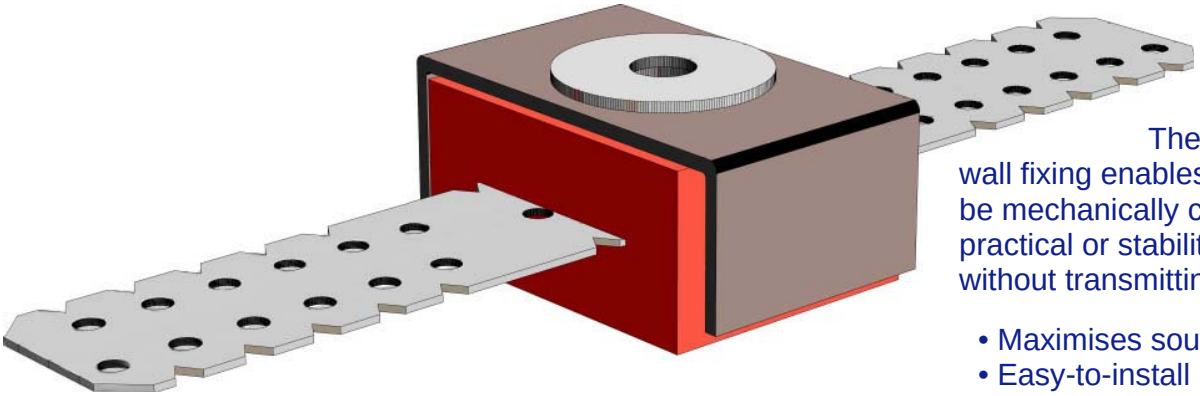
Vibratec®
akustikprodukter

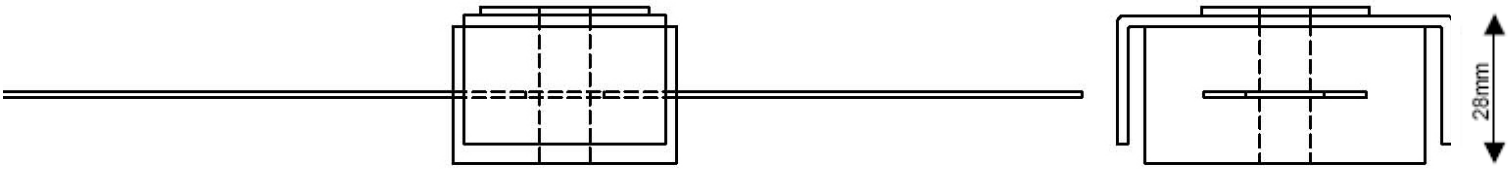
ISO-QR

Resilient Wall/Ceiling fixing



The **ISO-QR** resilient wall fixing enables dry wall systems to be mechanically connected (e.g. for practical or stability reasons), but without transmitting audible energy

- Maximises sound insulation
- Easy-to-install
- For voids from 40 to 60mm



The patented system applies a pre-compression force of approx. 500N onto the standard plasterboard fixation strip in galvasteel. At that moment the metal C-channel touches the structural wall behind (via its legs). When used in combination with **ISO-STRIP** under the base and along the perimeter of the light wall system, a complete acoustical decoupling is realized. The system offers a cost-effective and easy-to-install solution, along with the acoustical performance of a fully independent plasterboard wall system.

Test anno 2004 (lab WTCB):
Ro = 100mm gypsum blocks
R = basic wall+QR+2 BA13

f(Hz)	Ro (dB)	R (dB)
100	35.2	43.6
125	26.7	39.9
160	27.6	42.1
200	26.3	45.1
250	26.9	47.6
315	25.0	43.8
400	30.8	46.6
500	29.5	47.5
630	31.8	50.4
800	35.3	52.7
1000	38.4	55.4
1250	43.1	57.6
1600	45.1	61.2
2000	47.1	63.9
2500	49.5	66.7
3150	51.2	70.1
4000	53.8	72.9
5000	55.4	74.9
Rw (dB)	**36.0**	**54.0**

Installation:
1. Install M8 fixing through ISO-QR element
2. Compress fixing until C-channel is in contact with substrate.
3. Fold flaps at edge of rubber.
4. Use self-tapping screws to fix into wall rail or stud.
5. Ensure that base and perimeter of plasterboard wall is fully de-coupled from non-isolated structures by ISO-STRIP.

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