

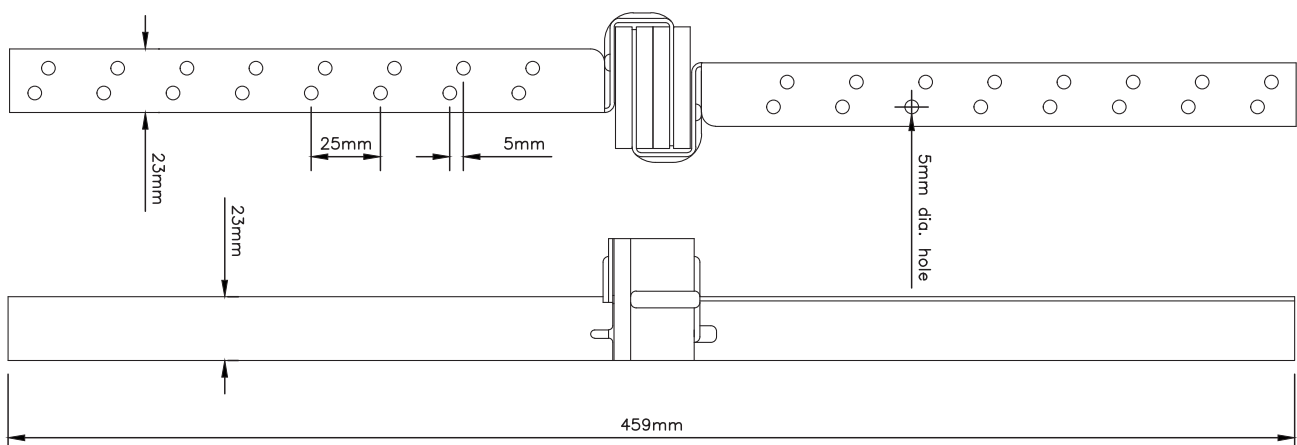
Description

The Gypframe GAB3 Acoustic Brace is used to brace stud pairs in the GypWall AUDIO system. It is specially engineered to optimise the acoustic performance of the twin frame system by effectively maintaining a decoupling effect between frames whilst still providing structural integrity for the system. It is ideal for use in high performance applications such as cinemas and sound studio.

Standards

BS EN 14195 - Metal framing components for gypsum board systems

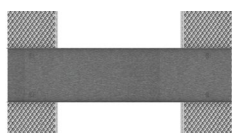
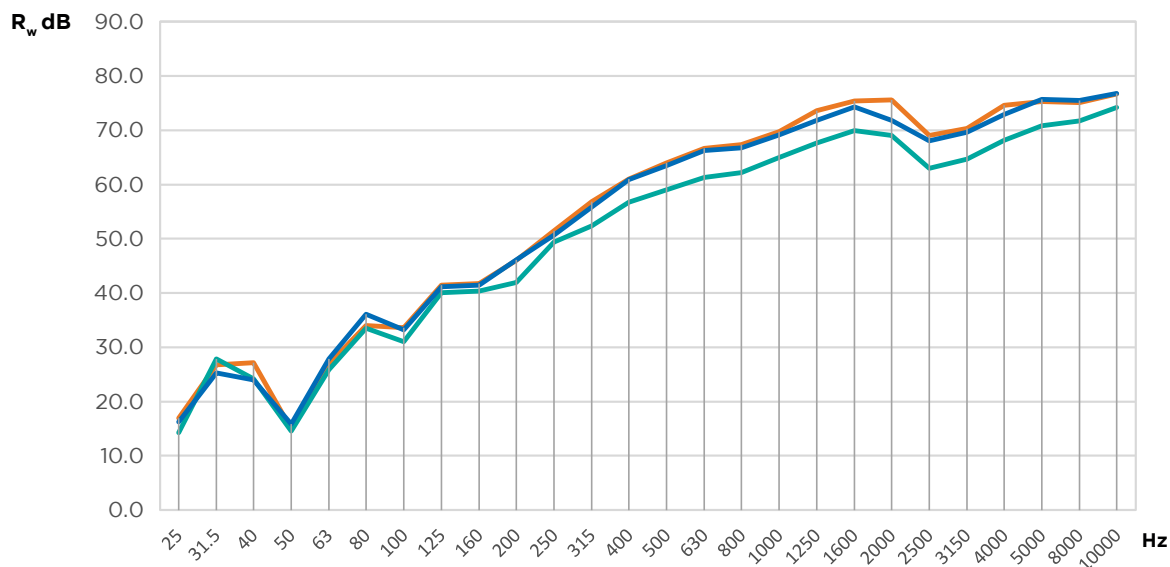
Dimensions



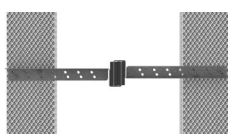
Gypframe® GAB3 Acoustic Brace

Performance characteristics

Acoustic testing in laboratory conditions shows that using the Gypframe GAB3 Acoustic Brace does not downgrade the acoustic performance of the twin frame system. The table below shows laboratory sound insulation values for three identical GypWall twin frame partition systems constructed using A: with solid Gypframe 103FC50 Fixing Channel braces at mid-height between stud pairs, B: with Gypframe GAB3 acoustic braces between stud pairs and C: all bracing removed between stud pairs.



A - Gypframe 103FC50 Fixing Channel braces



B - Gypframe GAB3 acoustic braces



C - No bracing

NB Frequency data is available for a complete range of GypWall AUDIO systems up to STC / R_w 79dB. Please contact the Gyproc Technical Team.

Installation

Fix Gypframe GAB3 Acoustic Braces at the specified vertical centres (maximum 3300mm cc). Stagger the fixing locations of the braces between stud pairs, so there are not repeating horizontal lines of braces across all stud pairs. Braces are fixed using two Gyproc Wafer Head Jack-Point Screws to each stud.

Each pair of studs must always be braced at least once, staggered to the adjacent pairs, irrespective of the partition height or bracing centres.

Gypframe GAB3 Acoustic Braces are designed for partition widths of 460mm to 600mm.

- For narrower walls braces may be cut using a hacksaw or suitable power tool.
- For wider walls the brace can be extended on one side by fixing a short length of Gypframe 92 S 10 'C' Stud between the brace and the vertical stud using Gyproc Waferhead Jack-Point Screws ensuring a 75mm minimum overlap.

Care should be taken to ensure Gypframe GAB3 Acoustic Braces are correctly and fully engaged and not misaligned. Where partition heights are specified based on lateral restraint from a suitable Gyproc MF ceiling, either this ceiling should be in place at the time of installation or temporary restraint should be used at the specified height.

Health & Safety

For your health and safety, please refer to the Gyproc White Book Health & Safety section before handling or installing Gyproc products and systems. Available for download from our website: gyproc.ae/white-book

It is important to follow good site practice at all times and to ensure that appropriate safety precautions are taken, including the use of appropriate Personal Protective Equipment (PPE) and task suitable clothing when working with Gyproc products.

Please contact the Gyproc Technical Team for advice and guidance.

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