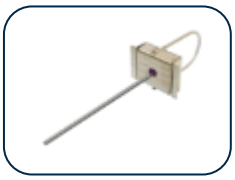
# SPECIFICATION TEXT





## RIBA SILENT

**Sound damping bolted tension and compression anchors**

REF 12.02.03 - Version V02 - 24/06/2026

## Subject

The works include the supply (including all accessories) and installation of the RIBA SILENT system.
RIBA SILENT system is used where an acoustic anchorage is required between two concrete structures and where a uniaxial transfer of tensile and compressive forces must be ensured, without transmission of noise or vibrations.

## Description

RIBA SILENT consists of a stainless-steel box equipped with a stainless-steel stirrup and filled with an acoustic insulating material (PUR). This box is fixed to the formwork of the first concrete pour. After concreting and removal of the formwork, the stainless-steel anchor bar is screwed into the designated opening, thereby ensuring acoustic decoupling of the rod.
RIBA SILENT is available as a custom-made solution. The length and shape of the anchor bar can be adapted depending on the application requirements.
When used correctly, the system provides an acoustic insulation performance of $\Delta L^{*}_{n,w}$ = 33 dB under maximum load.
The supplier must be able to provide, upon request, the relevant test reports issued by an independent and accredited laboratory.

## Position

RIBA SILENT is used where load transfer is required together with an acoustic anchorage between two concrete structures. It enables uniaxial transmission of tensile and compressive forces while ensuring a vibration-free connection.
Typical applications for the acoustic insulation of structural fixing elements include:

- Parapets
- Double walls
- Stabilisation of galleries and insulated balconies
- etc.

## Mark

RIBA SILENT by Leviat or equivalent

## Measurement

Per unit.
Type of reinforcement is determined according to the free length of the bar (e), which is the governing parameter in the case of compressive loading.





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