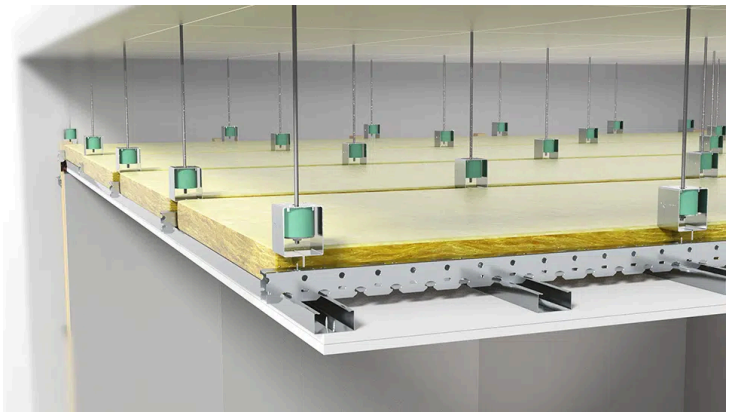


# Ceiling System VT-CBC

The Vibratec VT-CBC Ceiling System is an acoustic ceiling designed and optimized for rehearsal rooms, music studios, theaters, cinemas, residential buildings, restaurants, offices etc.

## Product Characteristics

The VT-CBC Crossbar Ceiling is a double frame ceiling system with click-on hangers and profiles designed to optimize the sound isolation of suspended ceilings. The system comprises of VT-CBC hangers, click-on crossbars and C-profile rails. Depending on required resonance frequency the VT-CBC hangers can be delivered with REGUFOAM vibration pads in thickness 25 mm, 37 mm or 50 mm.

The VT-CBC Ceiling System is a very flexible system because of the two layers of framing. If heating, ventilation or other installations require the hangers to be spaced differently in certain areas, this will not affect the spacing between the secondary framing. This results in quicker and easier installation of gypsum boards. This is illustrated in the image with the green arrows and the animation below.Please feel free to contact us at Vibratec and we will assist with the load calculations for this ceiling system.

EPD INTERNATIONAL EPD SYSTEM

ECO PLATFORM EPD VERIFIED

**Ceiling system VT-CBC is an EPD-certified product.**

## Product Applications

An acoustic ceiling designed and optimized for:

- rehearsal rooms
- music studios
- theaters
- cinemas
- residential buildings
- restaurants
- offices and more.

For lighter ceilings see our Ceiling System VT-SFC. For lower resonance frequency see our Ceiling system VT-MSH.

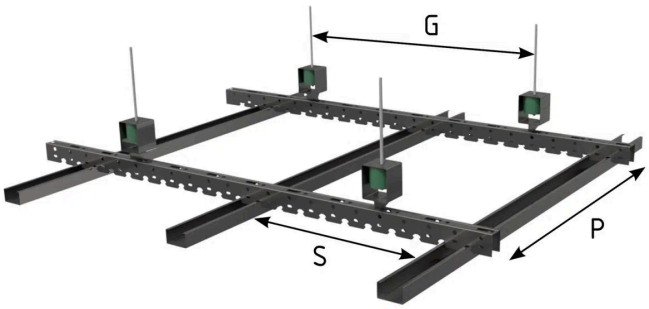
### Installation Guidelines

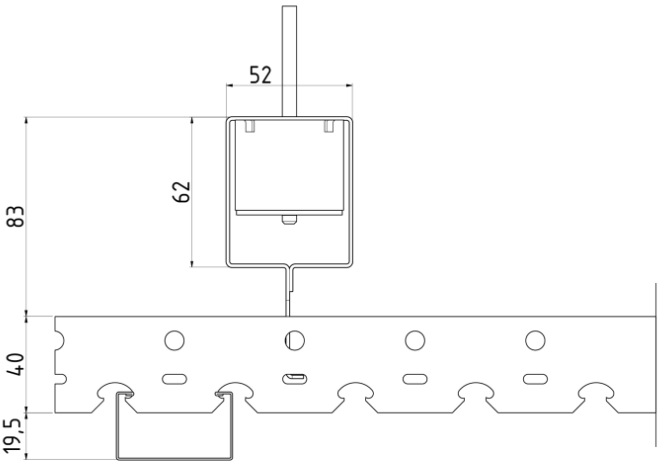
The hangers are mechanically fixed via threaded rod to the ceiling with c/c-distances G and P and clicked into the crossbars. Secondary profiles with c/c-distance S are clicked onto the crossbars. Plasterboard can then be fixed on to the rails.

Our self adhesive elastic strip VT-Strip should be used to isolate the suspended ceiling from surrounding walls to avoid undermining the acoustic integrity of the ceiling.

Mineral wool should be used in the air void to absorb possible standing waves in the void.

# Technical Specifications



## Ceiling system VT-CBC technical specifications

ceiling-system-vt-cbc-technical-specifications.xlsx

### Load range and support distance

| Distance between VT-CBC hangers | | | |
|---|---|---|---|
| **Ceiling weight kg/m$^2$** | **P (mm)** | **G (mm)** | **kg/support** |
| 10 -15 | 1200 | 900 | 11 - 14 |
| 15 -30 | 1000 | 800 | 11 - 22 |
| 30 - 50 | 750 | 600 | 13 - 22 |
| 50 - 75 | 600 | 600 | 18 - 27 |
| | | | |
| Spacing S should not exceed 400 mm at longitudinal installation and 500 mm at transversal installation. | | | |

### Natural frequency & deflection

| Type | Elastic part | $f_n$ (Hz) | Deflection (mm) |
|---|---|---|---|
| VT-CBC-RF25 | 25 mm pad | 9 - 11 | 1 - 2 |
| VT-CBC-RF37 | 37 mm pad | 7 - 9 | 2 - 3 |
| VT-CBC-RF50 | 50 mm pad | 6 - 7 | 4 - 5 |

# Downloads

Installation manual: Ceiling system VT-CBC | english

Ceiling System VT-CBC, FDV documentation | Swedish

VT-CBC and VT-SFC Airborne Sound Reduction | Test report

VT-CBC and VT-SFC Impact Sound Reduction | Test report

EPD document | EPD-IES-0030216:001 english

## Contact information

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