Sound Insulation for Ceilings
Resilient Hanger Clip System

The CDM-ISO-CC Acoustic Suspension System is designed to optimise the sound insulation of suspended ceilings.

The system comprises of the CDM-ISO-CC hanger + the CDM-PROFILAT rail (either 45mm or 60mm wide) that clips into the hanger. There are 2 types available:

- CDM-ISO-CC40 with the CDM-PROFILAT40 rail
- CDM-ISO-CC60 with the CDM-PROFILAT60 rail

<table>
<thead>
<tr>
<th>$f_{res}$ [Hz]</th>
<th>Type</th>
<th>Optimal Load per element [N]</th>
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</thead>
<tbody>
<tr>
<td>11–12 Hz</td>
<td>CDM-ISO-CC40L</td>
<td>150 (100-200)</td>
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<tr>
<td></td>
<td>CDM-ISO-CC40H</td>
<td>350 (200-550)</td>
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<tr>
<td></td>
<td>CDM-ISO-CC60L</td>
<td>150 (100-200)</td>
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</tbody>
</table>

With CDM-ISO-CC suspension elements, sound insulation improvements of more than 20 dB can be achieved.

Installation Guidelines

The hangers are mechanically fixed to the ceiling and then the CDM-PROFILAT rail is snap fitted into the hangers. Plasterboard can then be fixed into the rails.

The minimum air void possible with this system is 45mm.

CDM-ISO-CC hangers must only be used with the CDM-PROFILAT rails (45mm/60mm) to ensure structural stability of the ceiling.

CDM-ISO-PERIMETERSTRIP must be used to isolate the suspended ceiling from surrounding walls to avoid undermining the acoustic integrity of the ceiling.

CDM-ISO-CEILING

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