

# TECHNICAL DATA SHEET DS 086

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ISSUE	3
DATE	21 May 2019
APPROVED	M.T.P.

TITLE.	Installation Instructions for Acoustic Ceiling Hangers Type ACH
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Details of isolators as Leaflet PL023

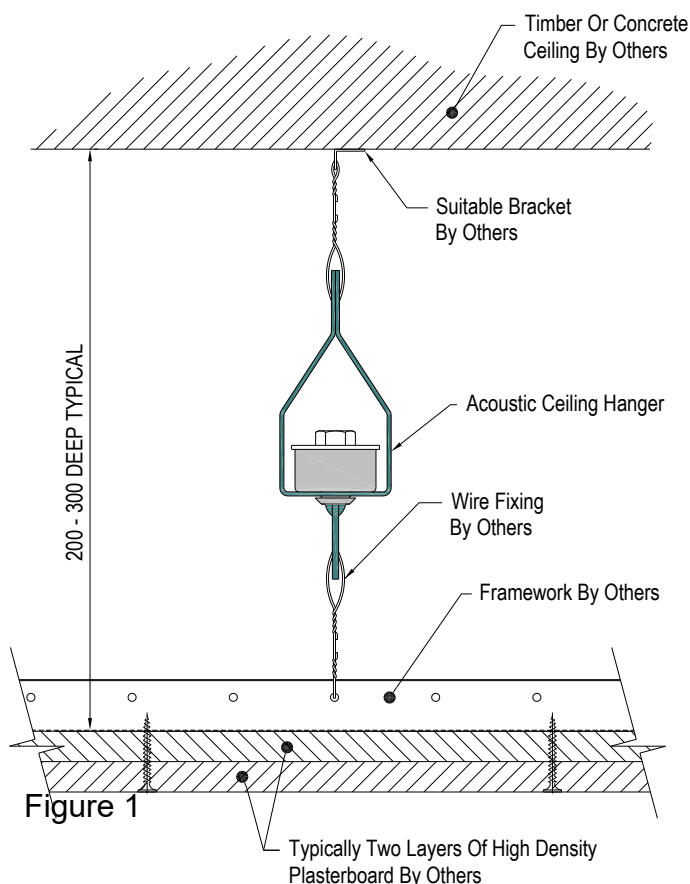
### General Notes

Acoustic Ceiling Hanger sizes must be selected in accordance with the rated load capacities detailed in our leaflet.

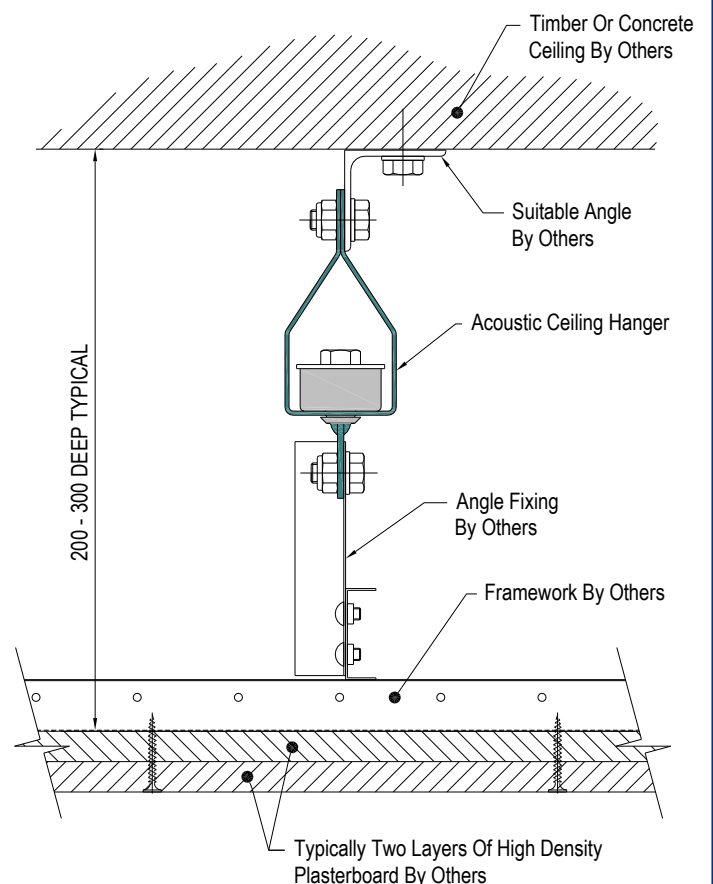
### Procedure

- 1) Hangers must be fixed to either the upper timber joists, steel gantry or concrete ceiling at every primary suspension point on the suspended ceiling grid.
- 2) Drop wires or channel frame fixings should then be used to support the lower ceiling grid with typical grid spacings of 600mm or 1200mm, ensuring the full weight of the suspended ceiling can be taken by the hangers and the connection frame fixings or drop wires (See Figure 1).

#### Typical Wire Fixing



#### Typical Channel Framework



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- 3) An example using two layers of 15mm thick Soundbloc or equivalent with a maximum ceiling load of 50 kg m<sup>2</sup> will require 2 x ACH utilizing grid spacings of 1200mm (See Figure 2). This will provide approximate hanger deflections per m<sup>2</sup> of 2mm for ACH/50 and 1mm for ACH/100.

### Typical Hanger Spacings

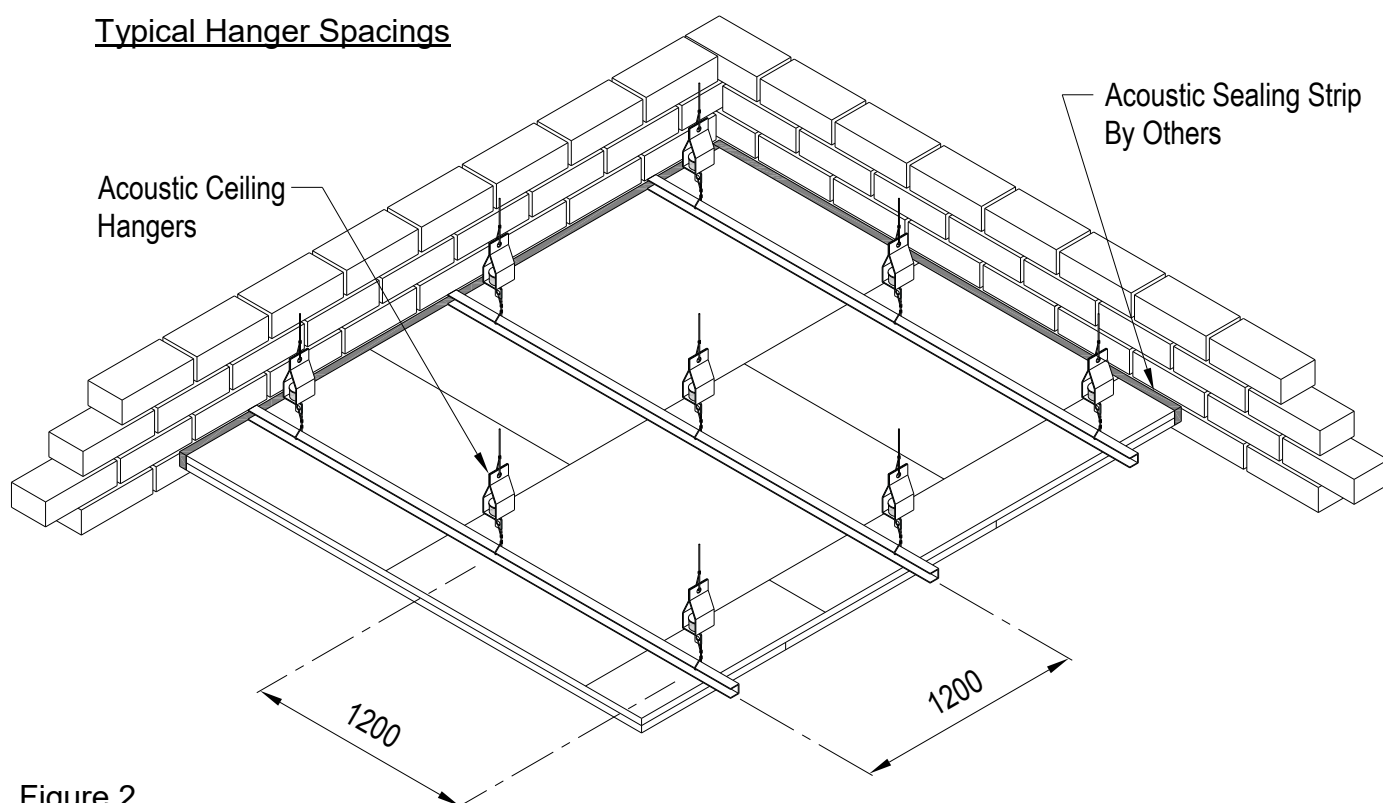


Figure 2

- 4) Once the lower suspension grid has been fixed and supported using the selected Acoustic Ceiling Hanger, the plasterboard ceiling boards or panels can then be fixed into position.
- 5) For installation of pipework, ductwork, fans and air handling units using Acoustic Ceiling Hangers Type ACH refer to our data sheet DS 029.

Please contact our Technical Department at the address below if you have any problems relating to installation or selection.



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