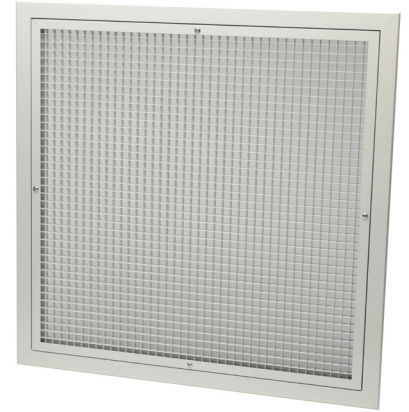


ideal  
grilles

## Removable Core Eggcrate Grilles

REG 1 / RER 1 Series



### Product Overview

Idealair Series REG1 eggcrate extract grilles are suitable for duct and ceiling applications in most commercial projects. When fitted with an opposed blade damper at the rear they become series RER1 with the damper being adjustable through the front face of the grille.

### Construction

Frames are manufactured from 6063 T6 extruded aluminium. Frame mitres are mechanically jointed and tig welded on the rear and neck for added strength and rigidity preventing any distortion of the hairline mitres. Eggcrate Grille Cores are constructed from aluminium eggcrate 12.5mm x 12.5mm.

### Size Range

150 x 150mm to 1000 x 1000mm nominal size in 50mm increments. Special sizes and multiple units are available on a made to order basis. Please enquire for details.

### Fixing

Grilles are supplied with countersunk holes (excluding 595 x 595mm tile) as standard. Alternative fixing methods are available on request.

- N** - No fixing provided (fixing by others)
- L** - Lay-in tile replacer\*
- S** - Countersunk flange holes
- R** - Rear fixing lugs

\*595 x 595mm overall across flange (flange for surface mounting).

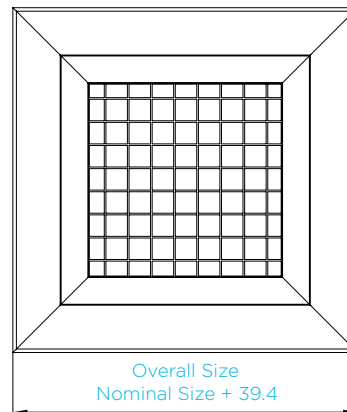
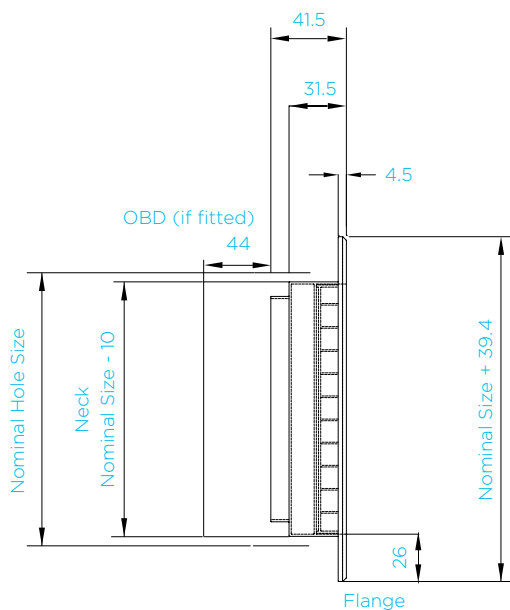
### Finish

- MF** - Mill Finish (Standard)
- PPC RAL** - Stock RAL colours available to order

### Accessories

Please specify the accessories on your order.

- Opposed blade damper (OBD)
- Neck reducers
- Plenum boxes



All measurements in millimetres (mm)

# Removeable Core Eggcrate Grilles

## Selection Nomogram

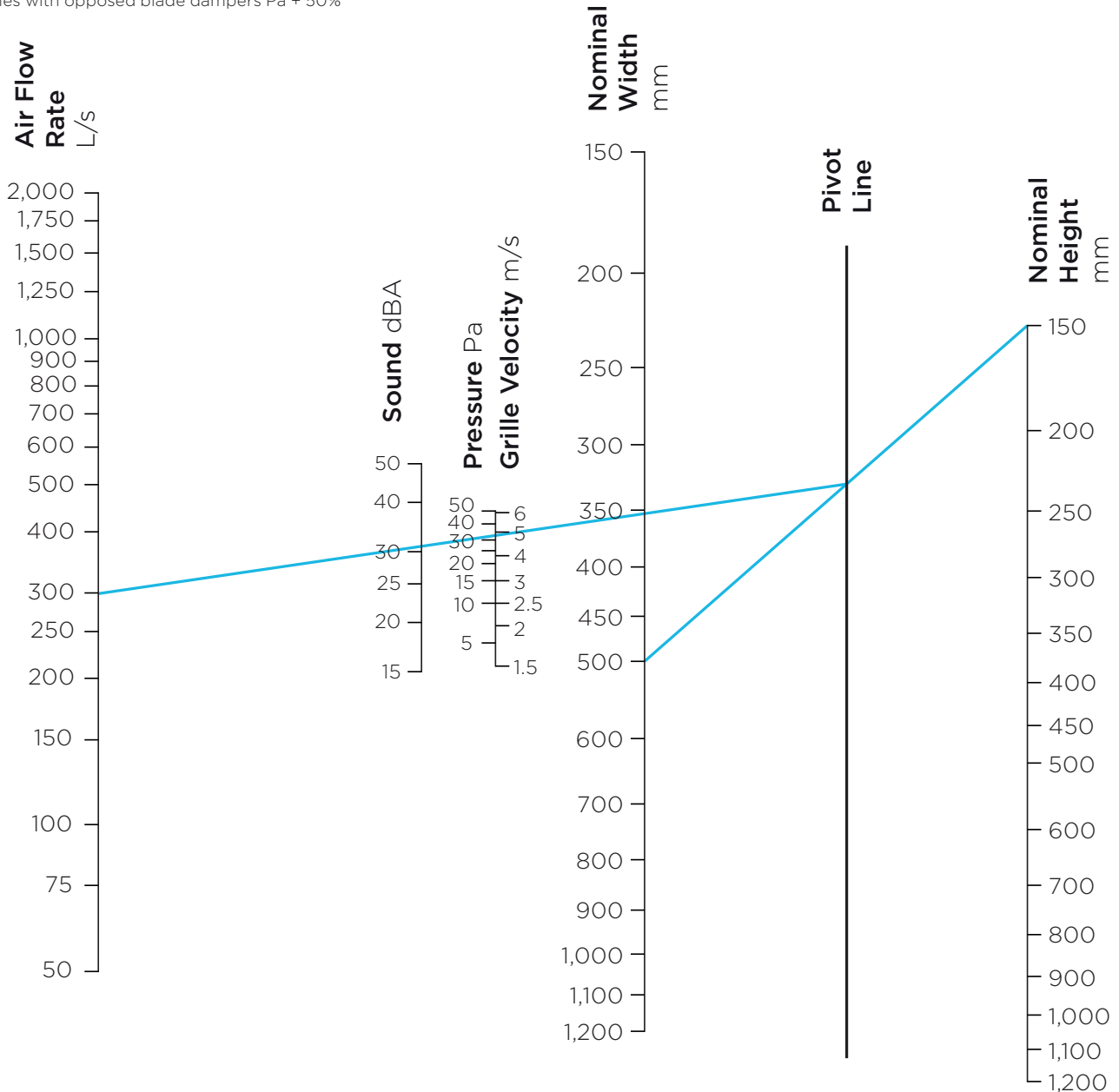
All data based on:

\*Terminal velocity 0.4m/s @ stated throw

\*Grilles mounted within 400mm of ceiling > 400mm reduce throw by 1/3

\*dBA figures based on room losses of 8 db for sound power reference 10<sup>-12</sup>W

\*For grilles with opposed blade dampers Pa + 50%



## Placing an order

Example Product Code					
REG1	O150	O500	NOM	S	MF

Terminal Velocity m/s	0.5	0.4	0.25
Throw Multiplier	0.8	1	1.5

Series	Size mm*	Dimensional Selection		Fixing		Finish			
		Width	Height						
REG1	Grilles only	O150	O150	NOM	Nominal opening size or duct size	N	No fixing (fixing by others)	MF	Mill Finish
RER1	Grilles with opposed blade damper fitted	1000	1000	NK	Neck size of the grille	L	Lay-in ceiling grid (595x595 only)	RAL	PPC RAL colours

\*Sizes in 50mm increments  
When ordering please state requirement from each column: Series, Size, Dimensional Selection, Fixing & Finish.

AF	Across flange size of the grille	S	Countersunk flange holes
		R	Rear fixing lugs