



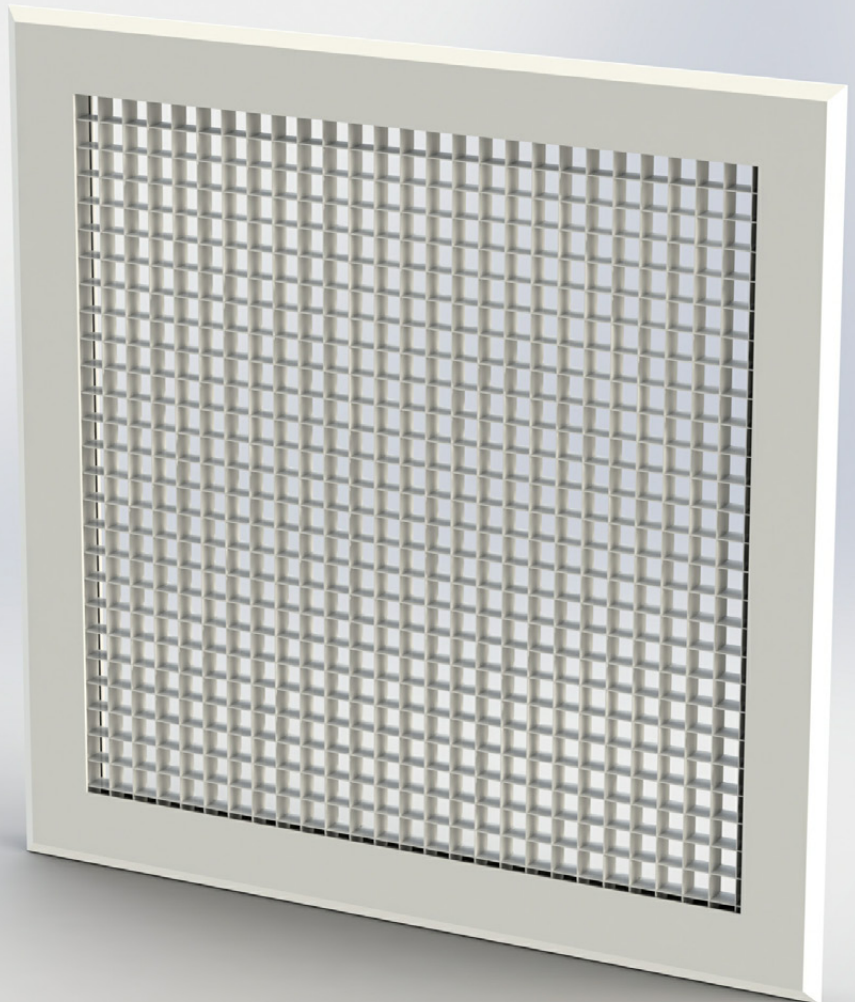
Incorporating



Grilles & Diffusers

Series ECG/ECG45 Egg crate grilles

- Industry standard extract grille
- Standard 0° core or optional 45°
- High performance with minimum pressure drops and noise generation
- Hinged and removable cores
- Popular sizes held in stock for immediate despatch



Series ECG/ECG45

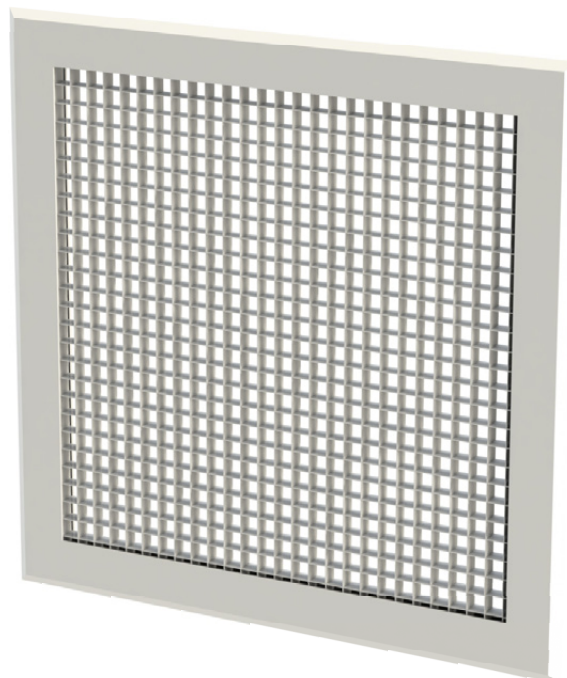
Series ECG egg crate grilles are the industry standard extract grille.

Comprising a core with over 90% free area, with vanes parallel to airflow, egg crate grilles are capable of handling huge air volumes with minimal noise generation or pressure drop. Ideal for areas requiring high changeover rates like restaurant kitchens, painting booths etc.

A 45° core is also available, with a similar high free area, but introducing non vision properties from certain angles, or giving an angled throw if used for supply.

We hold large quantities of popular sizes of ECG in stock, giving us the capability to supply even the largest orders on a next day basis.

For non standard sizes, units are manufactured to order.



Design features

Material	Aluminium frame and core
Frame	Standard: 37BE - 37mm bevelled Optional: 30FE - 30mm flat Surface mounted
Sizes	Minimum: 100mm x 50mm Maximum: 2900mm x 2900mm
Fixings	Standard: None Optional: See page 6
Finish	Standard: Satin anodised (AA5) frame, mill aluminium core Optional: See page 8 Stock units are powder coated RAL9010
Mass/m² face area	7.5kg 15.5kg including opposed blade damper
Free area	Approx 90%

Quality assurance

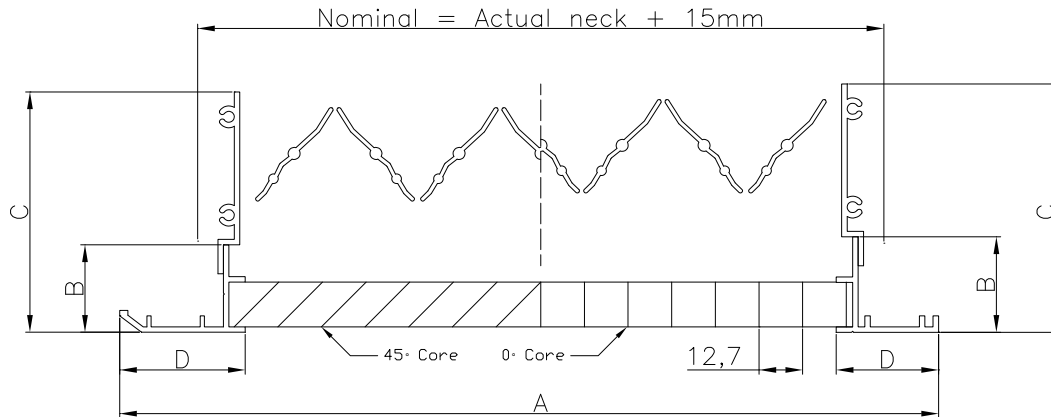
HVC Supplies (Stourbridge) Ltd is an ISO 9001:2008 accredited company.



Assessed to ISO 9001:2008
Cert/Ref No. 1186

Technical drawings

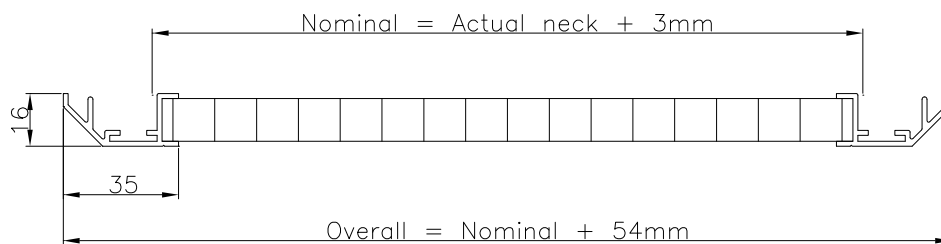
Standard



37BE: 37mm bevelled	
A	Nominal + 45mm
B	25mm
C	70mm
D	37mm

30FE: 30mm flat	
A	Nominal + 30mm
B	28mm
C	72mm
D	30mm

Surface mounted



Stocked sizes

The following sizes of Series ECG egg crate grilles are held in stock, with and without fitted opposed blade dampers, in RAL9010 finish and with prepunched fixing holes, available for immediate despatch.

150mm²
200mm²
250mm²
300mm²
350mm²
400mm²
450mm²
500mm²
550mm² (595mm² overall face size tile replacer)

All sizes are nominal unless stated.

Product codes: ECG - FH - RAL9010
(grille only)

ECG - FH - D - RAL9010
(grille complete with fitted opposed blade damper)

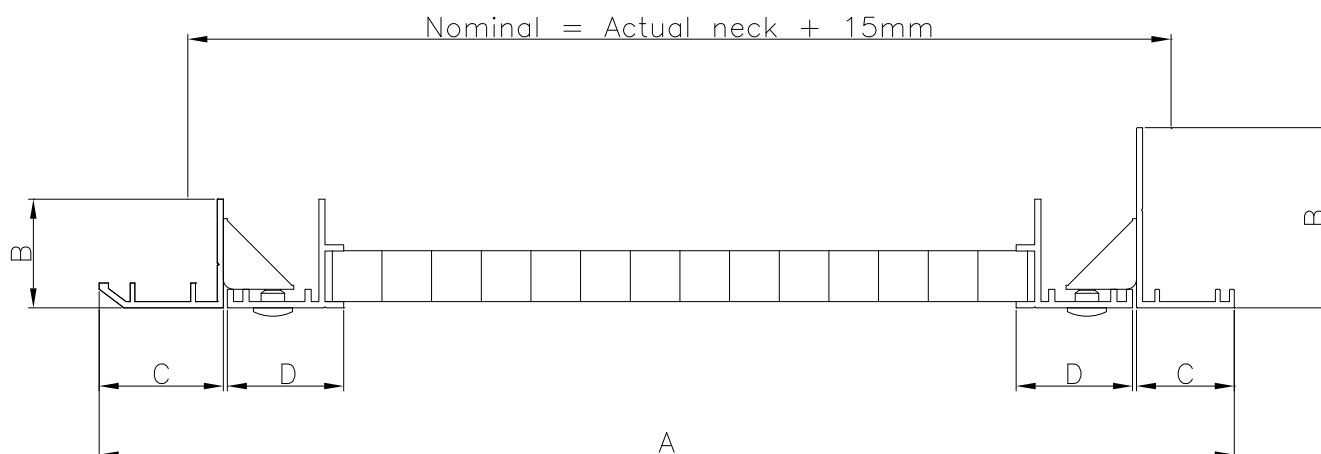
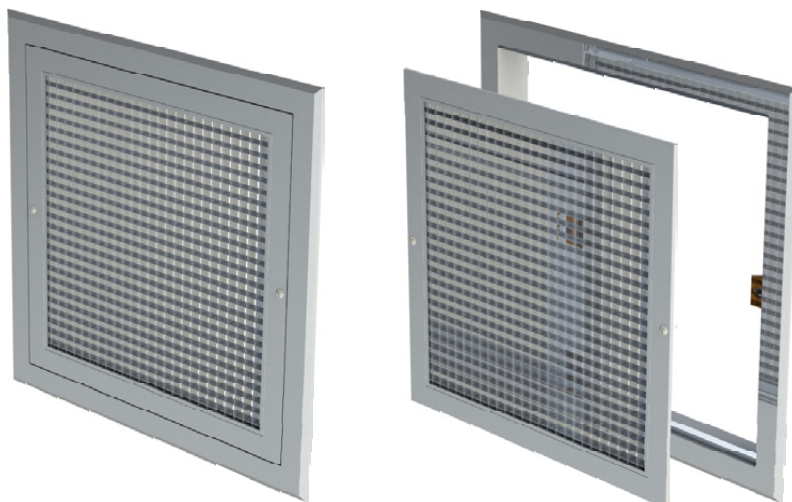
Please go to www.h-v-c.com for up to date stock levels.

Removable core

Fitted with spring loaded quarter turn fasteners, the outer frame has angle brackets fixed to the inside of the neck.

The inner removable frame holds the chrome plated, slotted head studs, for removal with a flathead screwdriver.

Other stud types are available for use with allen keys, or with a larger head for removal by hand.



32BS: 32mm bevelled	
A	Nominal + 45mm
B	28mm
C	32mm
D	30mm

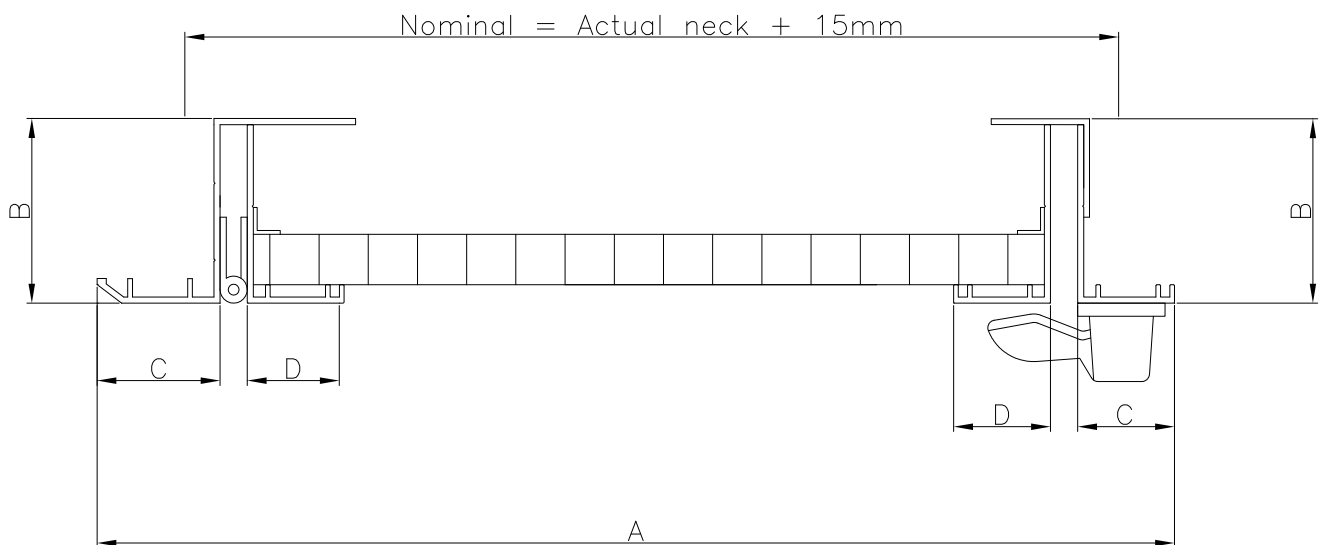
25F: 25mm flat	
A	Nominal + 30mm
B	46mm
C	25mm
D	30mm

Hinged core

Enabling the core to hinge outwards may be preferable to it being fully removable.

The full length piano hinge at one side is discreet, and gives minimal loss of core area.

The inner core is held in place by a chrome plated cam fastener as standard, bolts are optional.



32BZ: 32mm bevelled Z

A	Nominal + 45mm
B	48mm
C	32mm
D	30mm

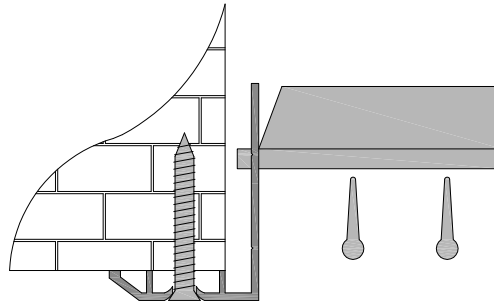
25F: 25mm flat

A	Nominal + 30mm
B	48mm
C	25mm
D	30mm

Fixings

Countersunk fixing holes: Code suffix FH

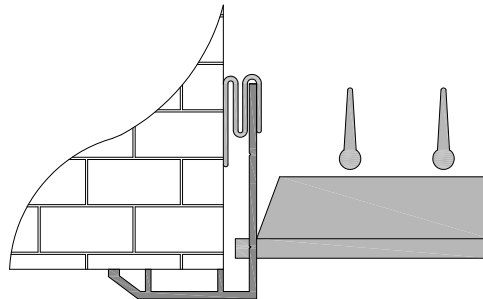
Countersunk fixing holes in the grille frame are the easiest fitting method. Screws in the same finish are supplied with the grille.



Push-in clip method: Code suffix PC

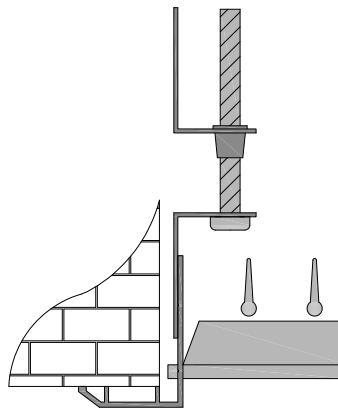
These sprung clips are compressed when the grille is pushed into place. The outward force provided then holds the grille securely in place.

This fixing method is not suitable for use in ceilings.



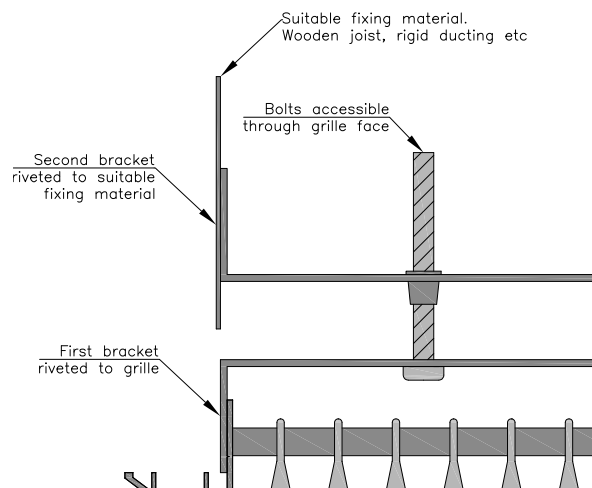
Concealed fixings: Code suffix CF

Consisting of L brackets with threaded ports, one L bracket is fixed into the ductwork or plenum, the other is riveted to the rear of the grille frame. Supplied bolts are then used to hold the grille into the supporting structure.

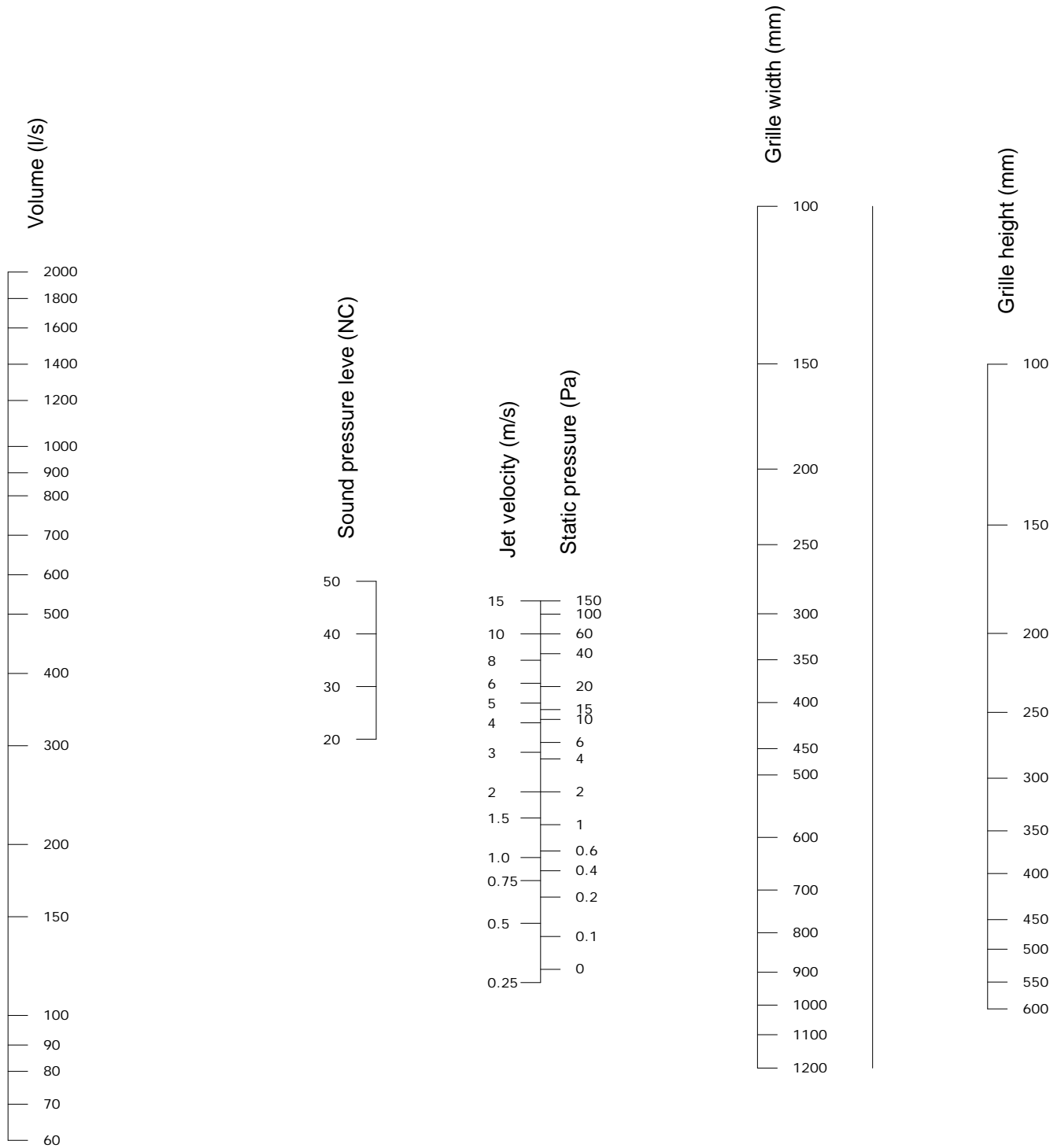


Goalpost method: Code suffix GB

Enables the grille's removal by accessing bolts through the face.



Selection data



Finishes

Mill aluminium

Satin anodised aluminium (frame only, core mill)

Polyester powder coating to any RAL or BS colour



Ordering codes

Example

1 - 400 x 400 - ECG - D - 37BE - FH - RAL9010

Codes

1)	Quantity		
2)	Size (mm)	(Width x height)	
3)	Series	ECG ECG45	Egg crate grille Egg crate grille 45° core (specify blow direction if not a square size)
4)	Damper	D	Opposed blade damper fitted
5)	Frame	37BE 30FE SM	37mm bevelled frame (standard) 30mm flat frame Surface mounted
6)	Fixings	FH CF PC GB	Countersunk fixing holes (screws supplied in same finish) Concealed fixings Push-in clips (not for use in ceilings) Goalpost brackets
7)	Core type	RC HC	Removable core Hinged core
8)	Finish	SAA Mill RAL... BS...	Satin anodised frame, mill finish core (standard) Mill aluminium Polyester powder coated to RAL... Polyester powder coated to BS...

Leave code section blank if no option is required.

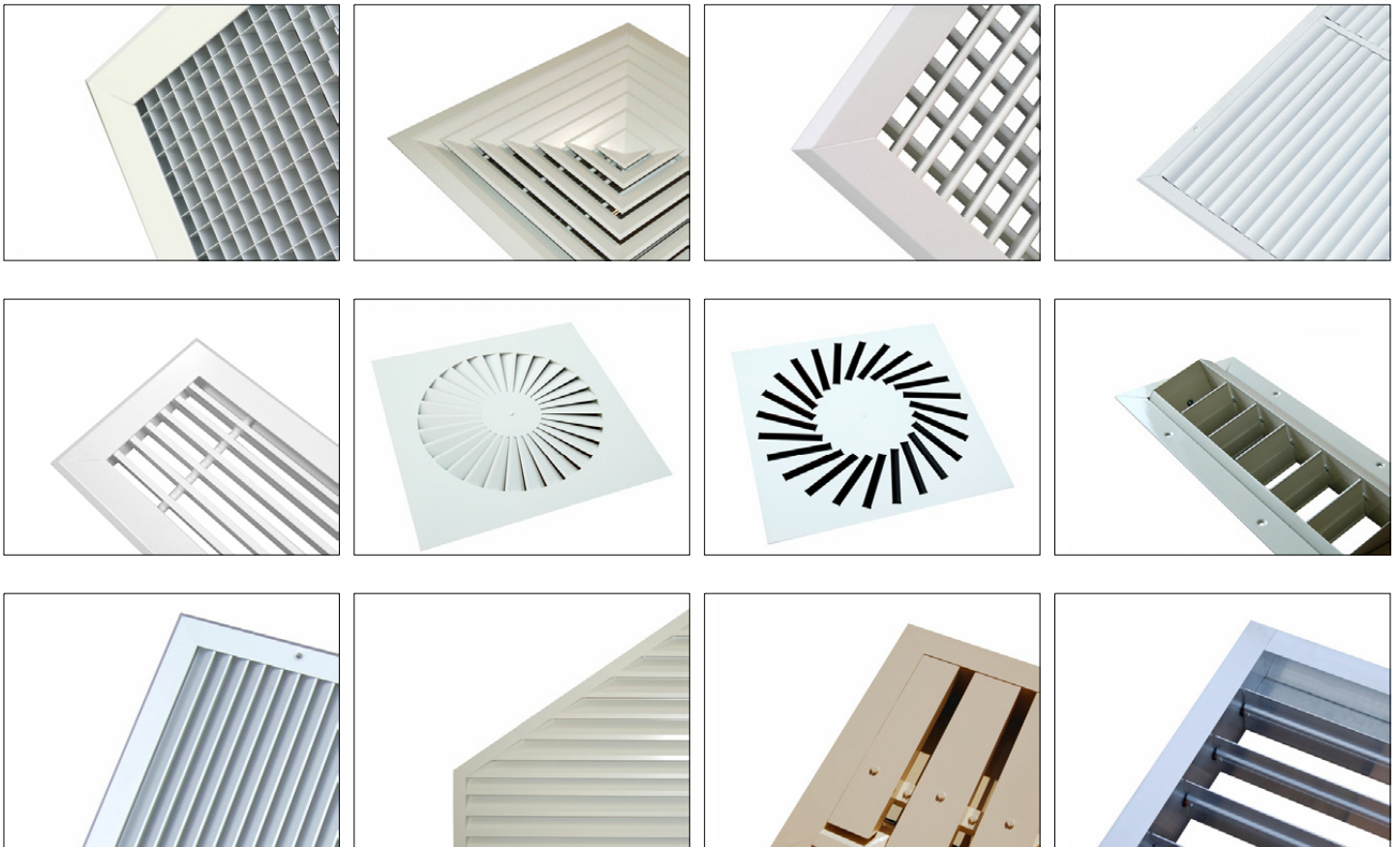
Specification of a hinged or removable core will mean 37BE and 30FE frames cannot be used.
In this instance standard 32mm bevelled or 25mm flat frames will be substituted.

HVC & NCA products

HVC offer the significant advantage of manufacturing both in duct and duct terminal equipment, making us a one stop shop for all your HVAC needs.

The products shown below are a selection, not an exhaustive list. Go to www.h-v-c.com for details on all HVC and NCA products.

HVC: Grilles, Diffusers, Louvres and Volume Control Dampers



NCA: Fire and Volume Control Dampers





Assessed to ISO 9001:2008
Cert/Ref No. 1186

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