

## HEAVY DUTY SINGLE DEFLECTION GRILLES

A heavy duty grille with a single row of individually adjustable horizontal or vertical blades. Designed primarily for industrial use where a grille with stronger and larger blades is required.

### STANDARD

Code 0171. Horizontal blades with border on four sides.  
Code 0174. Vertical blades with border on four sides.  
Code 0173. Horizontal or vertical blades with flanges on two sides only. Ideal for use on large warm air space heaters.



### STANDARD SPECIFICATION

#### SIZES

50mm increments in nominal sizes from 100mm to 1200mm on the length or height.

#### CONSTRUCTION

Aluminium with mechanical and welded joints to lock the mitred corners of the borders. The blades are secured by screws and nylon inserts which can be tightened once the blades are set in the correct position. Code 0173 has aluminium angles on two opposite sides instead of an all round border.

#### FINISH

Mill finish aluminium.

#### FIXINGS

Codes 0171 and 0174. Countersunk screw holes in the border. Size no. 6 x 1 1/2" self tapping screws provided with each grille and painted the same colour as the grille. (Fixing type OF1) See Fixing Methods section for screw fixing centres. Code 0173. No screw holes in the flanges. (Fixing type OF2)

#### PACKAGING

Each grille is shrink wrapped in polythene with additional cardboard support to the faces.

#### TECHNICAL INFORMATION

See pages 10 & 11

### OPTIONAL ALTERNATIVES/ADDITIONS

#### SIZES

Non standard sizes. We can manufacture almost any non-incremental nominal size up to 1200mm square. Please contact Head Office for details.  
The product codes become 9171, 9173 and 9174.

#### DAMPER

Opposed blade damper. A clip-on opposed blade damper (Code 0106) in mill finish aluminium can be fitted to all models except Code 0173. Non incremental sizes, product code becomes 9106.

#### FINISHES

Any BS, RAL or NCS colour. Code 0145. Please specify the colour reference.

#### FIXINGS

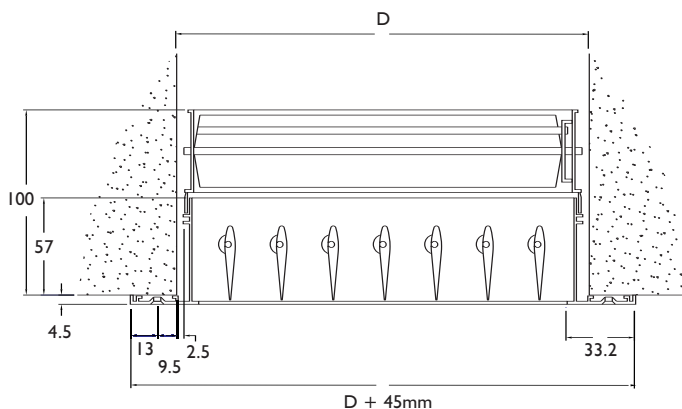
Un-punched borders on Codes 0171 and 0174. Product Codes become 9171 and 9174 (Fixing type OF2).  
Screw holes can be provided in the flanges of Code 0173 models but they are not countersunk. Product type becomes 9173. (Fixing type OF1).

### ORDERING DETAILS

- The code for the basic grille should have 13 digits. See page 1.
- Please always give length first then height.
- Add codes for additions / alternatives as suffixes.

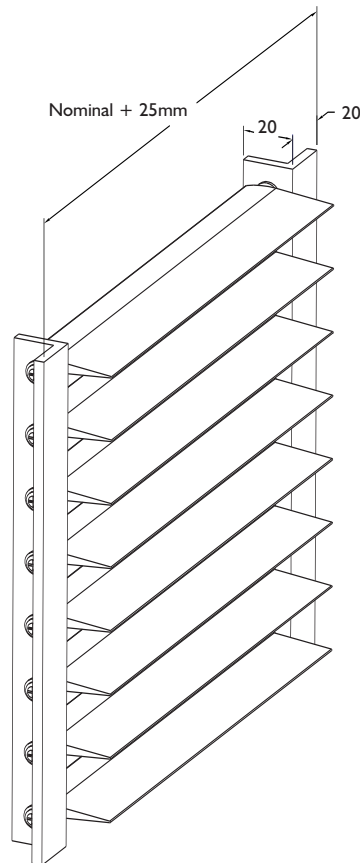
#### EXAMPLE:

A standard heavy duty single deflection grille, 1200mm x 600mm nominal size with borders on all four sides, horizontal front blades in mill finish, screw fix and with an opposed blade damper would be coded:- 0171/01200/0600+0106+OF1.

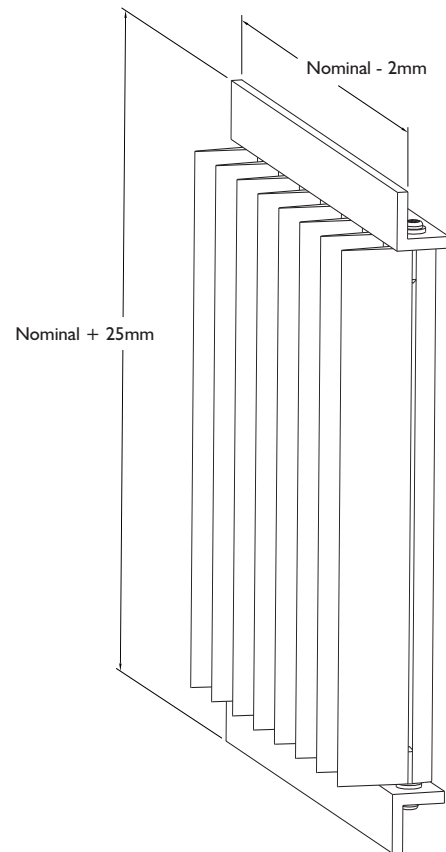


D = Nominal size  
Model shown is Code 0171 + 0106  
Heavy Duty Single Deflection Grille with Opposed Blade Damper

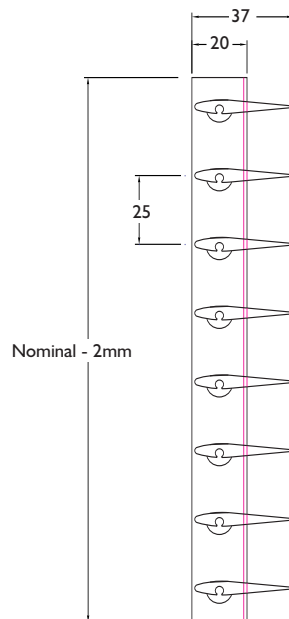
Applications. Supply \* Extract \* Sidewall \* Transfer \*



0173 Horizontal Blades



0173 Vertical Blades



Model shown is Code 0173  
Heavy Duty Single Deflection flanged on two sides only

## PAN ADAPTORS & PLENUM BOXES

(Un-insulated)

Top entry pan adaptor without flange (120mm high).

Code 0323.

Top entry pan adaptor without flange (17mm high).

Code 0338. This height of pan should only be used where the spigot diameter plus 50 is equal to or more than the smallest nominal dimension of the pan.

Top entry pan adaptor with flange (120mm high). Code 0328.

Side entry plenum box without flange. Code 0335.

Side entry plenum box with flange. Code 0324.

Details are in Sheet Mmetal Work section along with codes covering insulated plenum boxes.

Pan adaptors & plenum boxes can be fitted with quadrant dampers in the spigot for either manual (Code 0483) or cord operated (Code 0484) control.

We can also design boxes with non-standard heights where there is limited space above a ceiling or in a cavity.

Please contact our technical staff at Head Office.