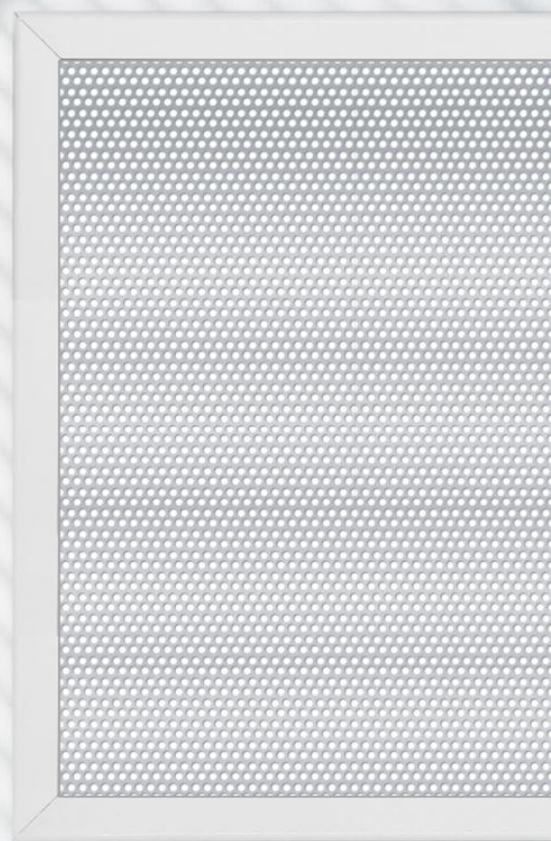




Serie **PER51**



PERFORATED GRILLE



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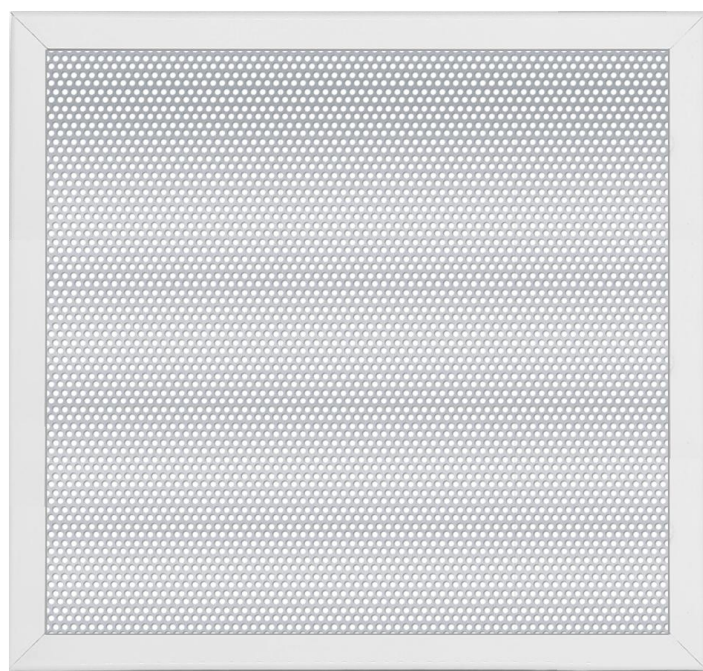


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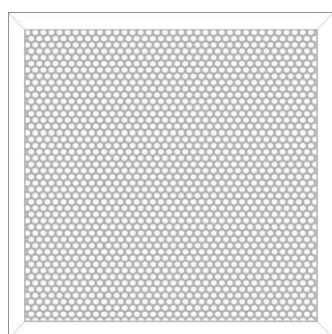


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28703 San Sebastián de los Reyes, Madrid.

PERFORATED GRILLE SERIE PER51

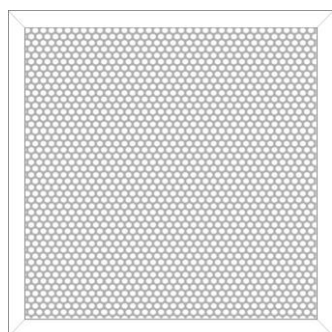


MODELS



PER51

Perforated grille.



PER51C

Perforated grille with flow regulation.

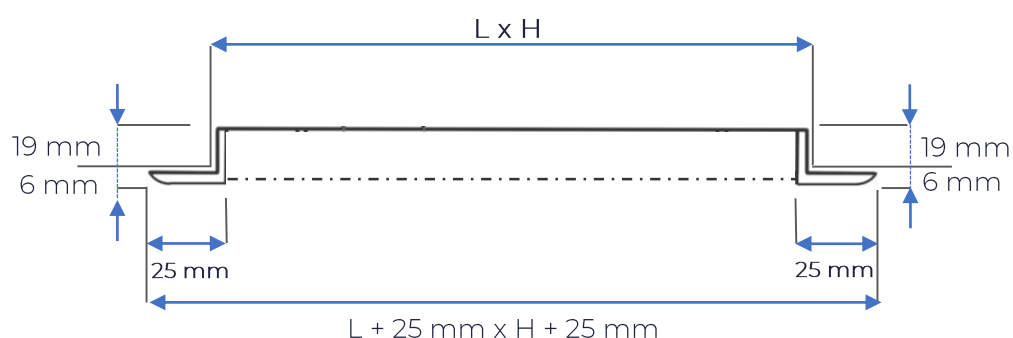
PERFORATED GRILLE SERIE PER51

DESCRIPTION

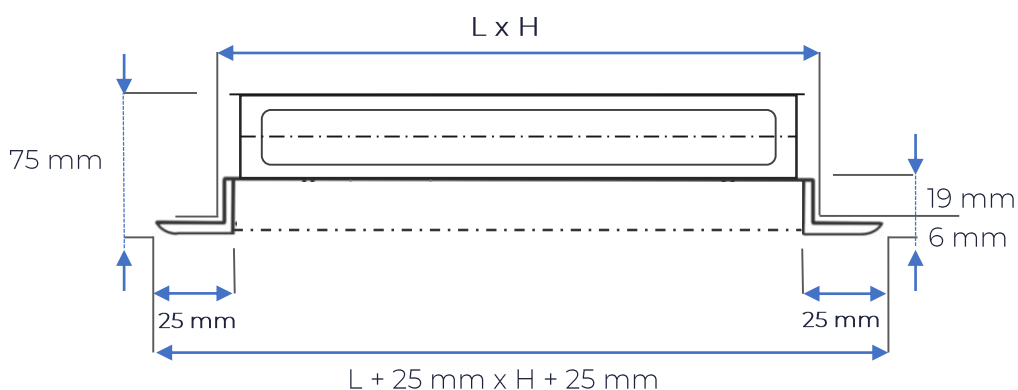
Return grille formed by a perimeter frame of lacquered aluminum and lacquered perforated steel sheet. It has an effective air flow rate of 51%. It is fixed by means of hidden fastening or with drilled holes.

DIMENSIONS

PER51



PER51C



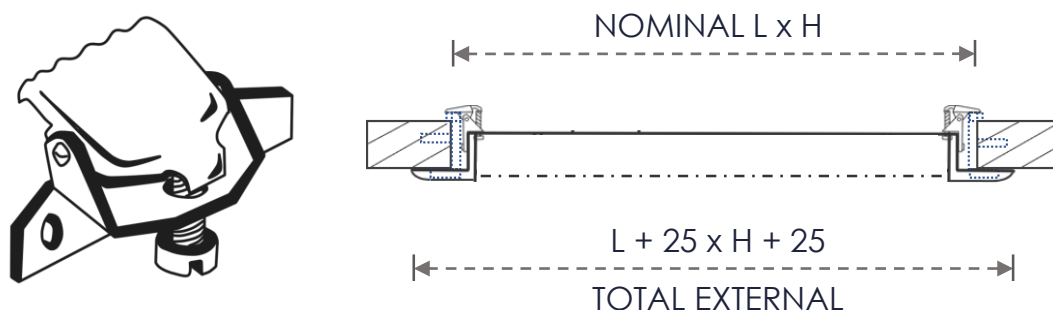
$L \times H \rightarrow$ Nominal Dimension = Hole Dimension

Dimensions $L \times H$ can be supplied in a maximum of 1,200 x 1,000 mm and a minimum of 200 x 100 mm.

FIXING SYSTEM

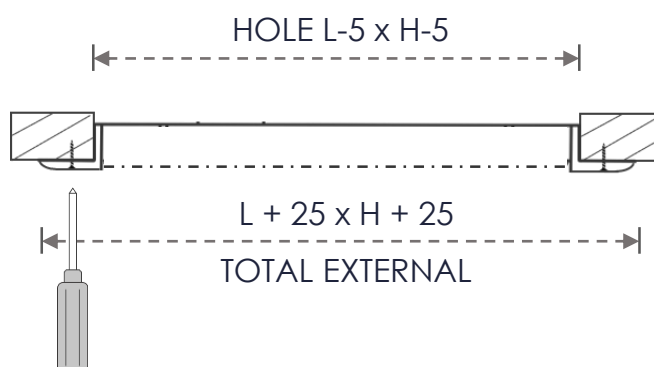
GRILLE ASSEMBLY WITH CONCEALED FIXING

This type of fixing is the standard system for this series. The screw of the clamping claw is driven with a screwdriver and the tab is pressed against the mounting frame, thus holding the grille securely in place. To remove the grille, simply open the grille to loosen the screw and the steel spring returns the claw to its horizontal position. The plate will have as many holes ($\varnothing$ 8mm) as claws required by the grille according to its size, to be able to access the grille screw.



FIXING BY SCREWS

The grille is supplied with countersunk holes. Screws not included.



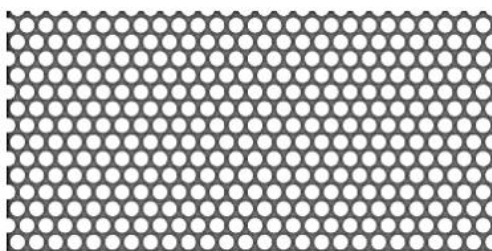
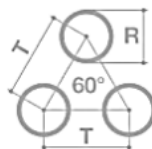
FINISHES

- Plate manufactured in **WHITE LACQUERED STEEL** and perimeter profile in **WHITE LACQUERED ALUMINIUM**.
- On request, it can be lacquered according to the **RAL COLOR CHART**.

PERFORATED GRILLE SERIE PER51

EFFECTIVE SECTION (m²)

R 3
T 4



ALTERNATING ROUND HOLES AT 60° - PERFORATION COEFFICIENT 51%.

Ø HOLE	DISTANCE BETWEEN CENTERS	PERFORATION	DEGREES DISPOSITION	PLATE THICKNESS
Ø 3 mm	4 mm	51%	Triplet 60°	0,8 mm.

MOD. PER51 – PER51C

L H	200	250	300	350	400	450	500	600	700	800	900	1.000
100	0.00669	0.00861	0.01052	0.01243	0.01434	0.01626	0.01817	0.02199	0.02582	0.02964	0.03347	0.03729
150	0.01116	0.01434	0.01753	0.02072	0.02391	0.02709	0.03028	0.03666	0.04303	0.04941	0.05578	0.06216
200	0.01562	0.02008	0.02454	0.02901	0.03347	0.03793	0.04239	0.05132	0.06024	0.06917	0.07809	0.08702
250		0.02582	0.03156	0.03729	0.04303	0.04877	0.05451	0.06598	0.07746	0.08893	0.10041	0.11188
300			0.03857	0.04558	0.05259	0.05961	0.06662	0.08064	0.09467	0.10869	0.12272	0.13674
350				0.05387	0.06216	0.07044	0.07873	0.09531	0.11188	0.12846	0.14503	0.16161
400					0.07172	0.08128	0.09084	0.10997	0.12909	0.14822	0.16734	0.18647
500							0.11507	0.13929	0.16352	0.18774	0.21197	0.23619

Effective area (m²) = [(L-25) x (H-25)] x 51%

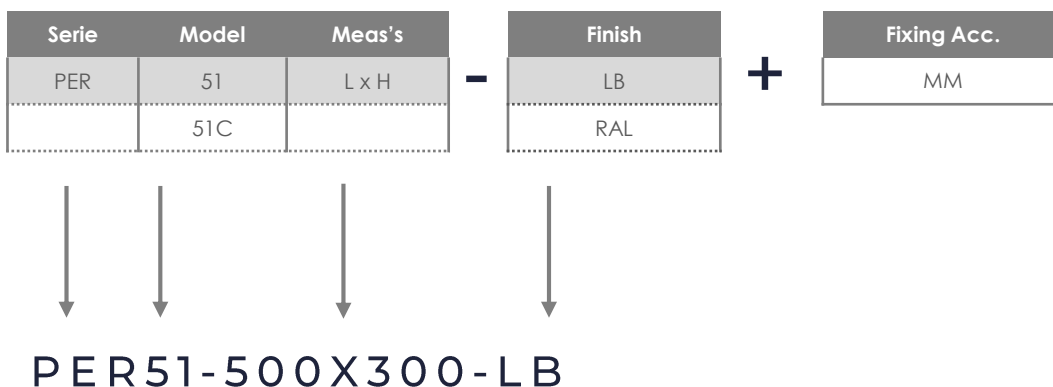
$$DP = Pd \times C$$

$$Pd = 1,2 \times V^2 / 1,6$$

DP = Pressure drop (Pa) Pd = Dinamic pressure
V = Velocity in the section L X H
C = Perforated plate coefficient (51%) = 7,9

PERFORATED GRILLE SERIE PER51

GRAPHIC DESCRIPTION



MODEL

- PER51: Perforated grille.

MEASUREMENTS (mm)

- LxH: 500 x 300 mm.

FINISH

- LB: White lacquered.

FIXING ACCESSORY

- MM: Mounting frame

Order example: PER51 500x300 LB

- To order a perforated grille, 500x300 mm white lacquered, you should request:

Order	Description
1 Grille PER51 500x300 – White lacquered	Perforated grille, 500x300 mm white lacquered.

Order example: PER51C 600x200 LB + MM

- To order a perforated grille with flow regulation, 600x200 mm white lacquered and mounting frame, you should request:

Order	Description
1 Grille PER51C 600x200 – White lacquered	Perforated grille, 600x200 mm white lacquered.
1 Mounting frame MM 600x200	Mounting frame: 600x200 mm.



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