

Econox linear bar grille

Description and Function

The linear bar grille is designed for the supply or extraction of airflow, featuring horizontally positioned fixed aluminum deflectors. It is suitable for a variety of applications, ensuring optimal performance in most types of premises, such as restaurants, offices, and more. The linear bar grille is suitable for both ceiling and wall installations.

The recommended maximum temperature difference (Δt) for optimal performance is -6°C .

Applications

The linear bar grille is best suited for comfort environments where efficient air supply or extraction is essential, such as offices, schools, retail stores, and hotels.

Standard sizes

For detailed data, refer to the provided drawings.

Airflow range

150 - 9,000 m^3/h . For detailed performance data, refer to the provided diagrams.

Materials

Extruded aluminum frame and air deflector fins, available in RAL 9010, 9016, and 9005.



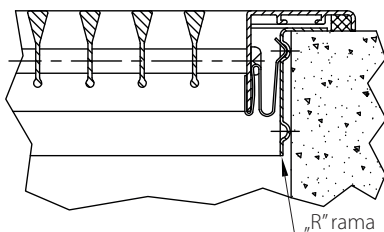
Main characteristics

- Linear bar grille for supply or extract air
- Fixed horizontal H1 type aluminum profiles
- Suitable for both ceiling and wall installations
- Easy to mount

Econox linear bar grille

Installation

The linear bar grille are recommended for vertical walls. The desired mounting method must be specified in the order. The following types of fixing are available:



Spring clip fixing
to the "R" mounting frame

Sign: - K

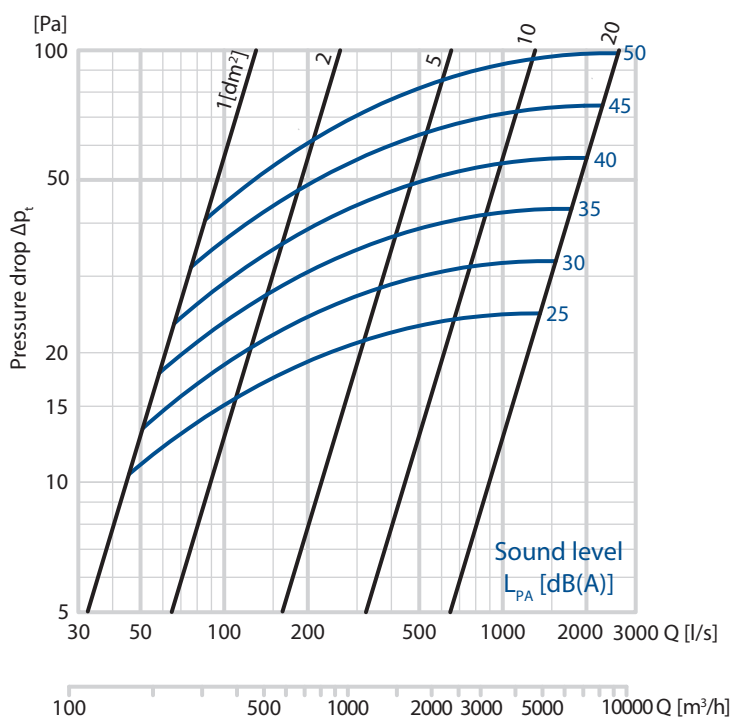
Diagrams

The arrangement of the fins does not significantly affect the air performance characteristics, so selection and sizing can be carried out for all linear bar grille types. See table and diagrams.

T.1. Free area in [dm²]

B/A	200	300	400	500	600	800	1000	1200
100	0,9	1,5	2,0	2,5	3,1	4,1	5,2	6,2
150	1,5	2,3	3,1	4,0	4,8	6,5	8,1	9,8
200	2,0	3,1	4,3	5,4	6,5	8,8	11,1	13,3
300	÷	4,8	6,5	8,3	10,0	13,5	16,9	20,4

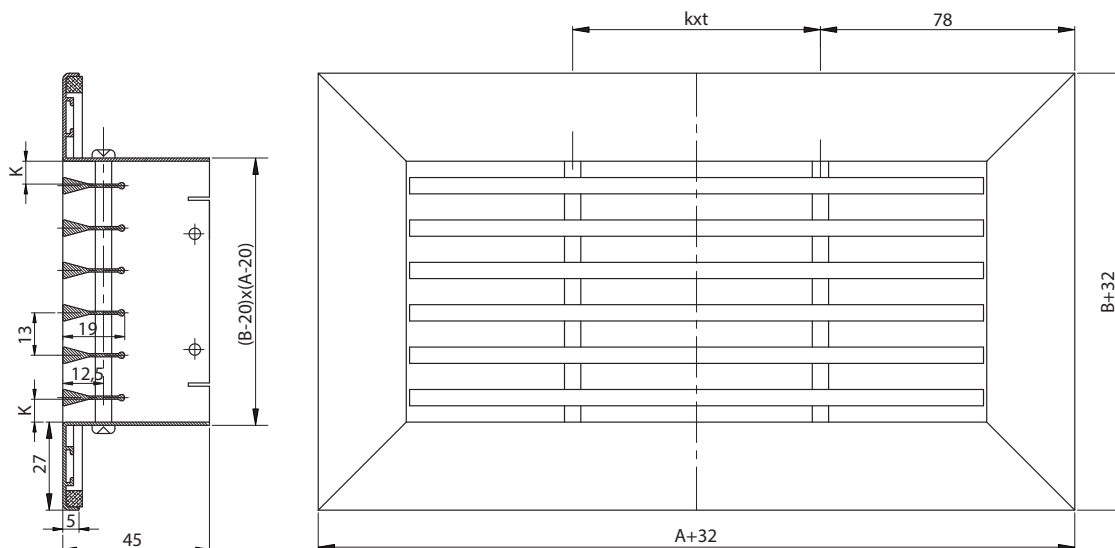
D.1.



Econox linear bar grille

Sizes

The standard sizes and weights of the linear bar grille, depending on the type of frame, can be found in Table 2.



T.2. Standard size and weight

B/A	200	300	400	500	600	800	1000	1200
100	0,3	0,4	0,5	0,6	0,7	0,9	1,1	1,4
150	0,4	0,5	0,7	0,8	1,0	1,3	1,6	1,9
200	0,5	0,6	0,8	1,0	1,2	1,6	2,0	2,3
300	÷	0,9	1,2	1,4	1,7	2,2	2,8	3,3