

# EBL Linear grilles with horizontal fixed bars

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## Description

Air jets with horizontal aluminium fixed bars with 0° or 15° deflection.

## Characteristics

Material: aluminium.

Finish: natural anodised.

Installation: clip fastening for EBL 20 and EBL 21 and fork clip fastening for EBL 22.

Max length achievable in one piece: 2000 mm.

## Use

Air jets used in air conditioning and ventilation systems for both supply and exhaust. They can be installed on the ceiling, on the wall and on the floor in non-walkable areas. They are also used as grilles in fan coils.

## Models

- EBL20-0: with frame and front fixed bars with 0° deflection;
- EBL20-15: with frame and front fixed bars with 15° deflection;
- EBL21-0: with frame, front fixed bars with 0° deflection and adjustable rear blades;
- EBL21-15: with frame, front fixed bars with 15° deflection and adjustable rear blades;
- EBL22-0: without frame, only fixed bars with 0° deflection;
- EBL22-15: without frame, only fixed bars with 15° deflection.

## Accessories

- EPZ - Galvanised Plenum Box;
- EPI - Insulated Plenum Box;
- SC - Galvanised steel regulation damper with blades with opposing movement;
- CT - Galvanised steel counter-frame to set into wall.
- Fork clips for EBL 22

## On request

- Painting in different RAL colours.
- Holes on frame for installation with screws.
- Removable finned pack (EBL 20 version only in special construction with 40mm deep frame).
- Continuous EBL 20/0 and EBL 20/15 for lengths greater than 2000 mm with the possibility of also adding inspection doors.
- On request, continuous EBL 20/0 or EBL20/15 inspection doors.

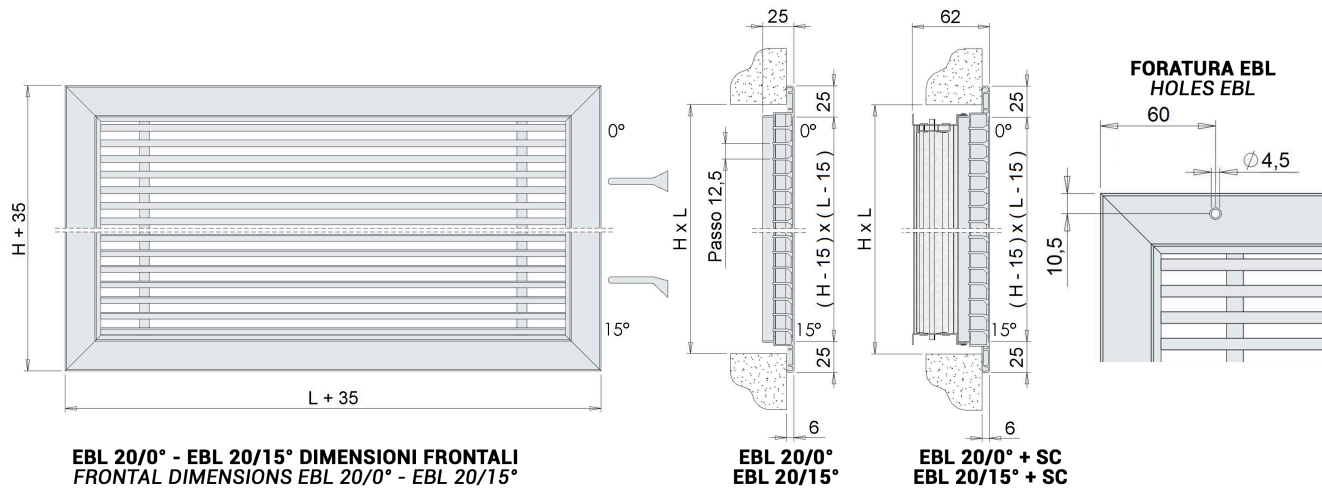
Operating Data

- $V_k$ : effective speed (m/s).
- $m^3/h$ : flow rate.
- $Pa$ : pressure drops in Pascal.
- $L1$  (m): air throw referring to a terminal velocity  $V_t = 0.25$  m/s and with a temperature differential of  $10/12^\circ C$ , installed near the ceiling (not beyond 3 m); for greater distances, correct the air throw by multiplying it by 0.7.
- $dB(A)$ : noise level.

All dimensions are expressed in mm.

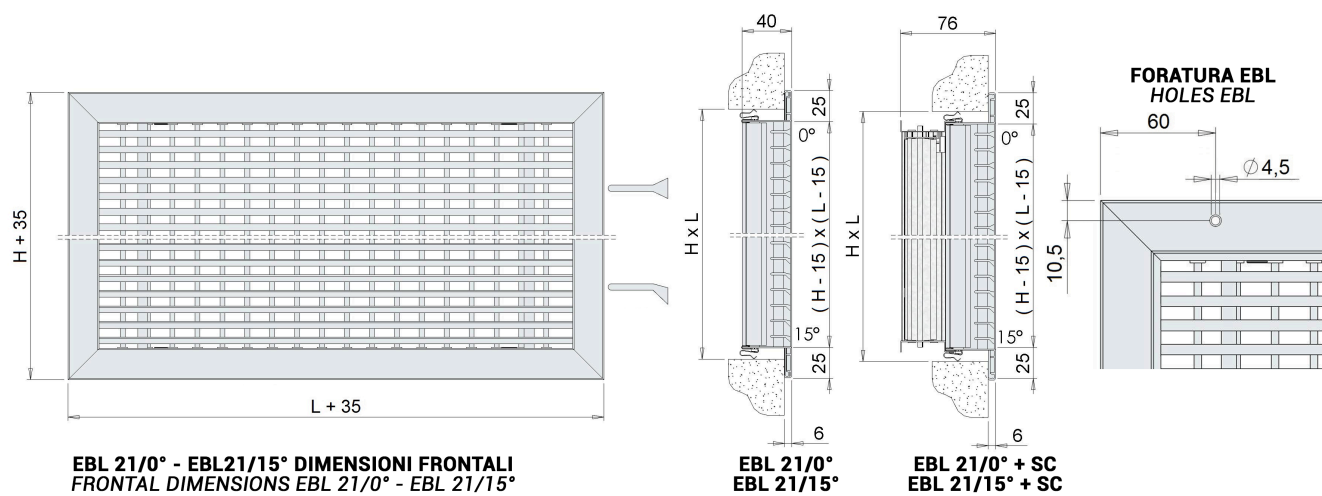
| Dimensions LxH | Effective Section | Vk 3 m/s          |     | Vk 4 m/s          |     | Vk 5 m/s          |     |
|----------------|-------------------|-------------------|-----|-------------------|-----|-------------------|-----|
|                | m <sup>2</sup>    | m <sup>3</sup> /h | L1  | m <sup>3</sup> /h | L1  | m <sup>3</sup> /h | L1  |
| 400x75         | 0,015             | 160               | 2,8 | 213               | 3,8 | 266               | 4,7 |
| 500x75         | 0,019             | 201               | 3   | 268               | 3,9 | 335               | 4,9 |
| 600x75         | 0,022             | 243               | 3,1 | 323               | 4,1 | 404               | 5,1 |
| 800x75         | 0,030             | 326               | 3,3 | 434               | 4,3 | 543               | 5,4 |
| 1000x75        | 0,038             | 408               | 3,4 | 545               | 4,5 | 681               | 5,7 |
| 400x100        | 0,020             | 216               | 2,9 | 292               | 3,8 | 365               | 4,8 |
| 500x100        | 0,026             | 276               | 3   | 367               | 4   | 459               | 5   |
| 600x100        | 0,031             | 332               | 3,1 | 443               | 4,2 | 554               | 5,2 |
| 800x100        | 0,041             | 446               | 3,3 | 595               | 4,4 | 743               | 5,5 |
| 1000x100       | 0,052             | 560               | 3,5 | 746               | 4,6 | 933               | 5,8 |
| 400x125        | 0,026             | 278               | 2,9 | 370               | 3,9 | 463               | 4,9 |
| 500x125        | 0,032             | 350               | 3,1 | 467               | 4,1 | 583               | 5,1 |
| 600x125        | 0,039             | 422               | 3,2 | 563               | 4,2 | 703               | 5,3 |
| 800x125        | 0,052             | 566               | 3,4 | 755               | 4,5 | 944               | 5,6 |
| 1000x125       | 0,066             | 711               | 3,5 | 947               | 4,7 | 1184              | 5,9 |
| 400x150        | 0,031             | 337               | 3   | 449               | 4   | 561               | 5   |
| 500x150        | 0,039             | 424               | 3,1 | 566               | 4,2 | 707               | 5,2 |
| 600x150        | 0,047             | 512               | 3,3 | 682               | 4,3 | 853               | 5,4 |
| 800x150        | 0,064             | 687               | 3,4 | 916               | 4,6 | 1145              | 5,7 |
| 1000x150       | 0,080             | 862               | 3,6 | 1149              | 4,8 | 1436              | 6   |
| 400x200        | 0,042             | 455               | 3,1 | 607               | 4,2 | 758               | 5,2 |
| 500x200        | 0,053             | 573               | 3,3 | 764               | 4,4 | 955               | 5,4 |
| 600x200        | 0,064             | 691               | 3,4 | 922               | 4,5 | 1152              | 5,6 |
| 800x200        | 0,086             | 927               | 3,6 | 1237              | 4,8 | 1546              | 6   |
| 1000x200       | 0,108             | 1164              | 3,8 | 1552              | 5   | 1940              | 6,3 |
| 600x300        | 0,097             | 1050              | 3,6 | 1400              | 4,8 | 1750              | 6   |
| 800x300        | 0,130             | 1409              | 3,8 | 1879              | 5,1 | 2348              | 6,4 |
| 1000x300       | 0,164             | 1768              | 4   | 2357              | 5,3 | 1947              | 6,7 |
| Pa             |                   | 5                 |     | 10                |     | 15                |     |
| dB(A)          |                   | 25 / 32           |     | 33 / 39           |     | 38 / 44           |     |

Dimensions EBL 20/0° EBL 20/15°



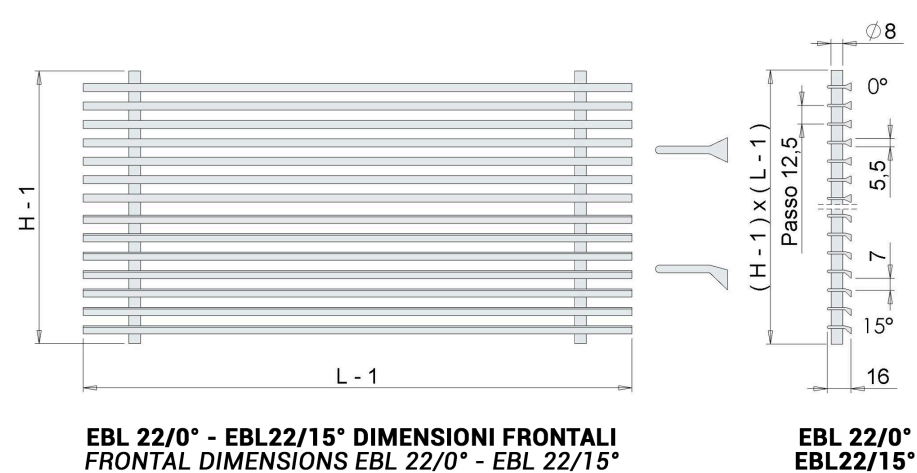
Holes on request.

Dimensions EBL 21/0° EBL 21/15°



Holes on request.

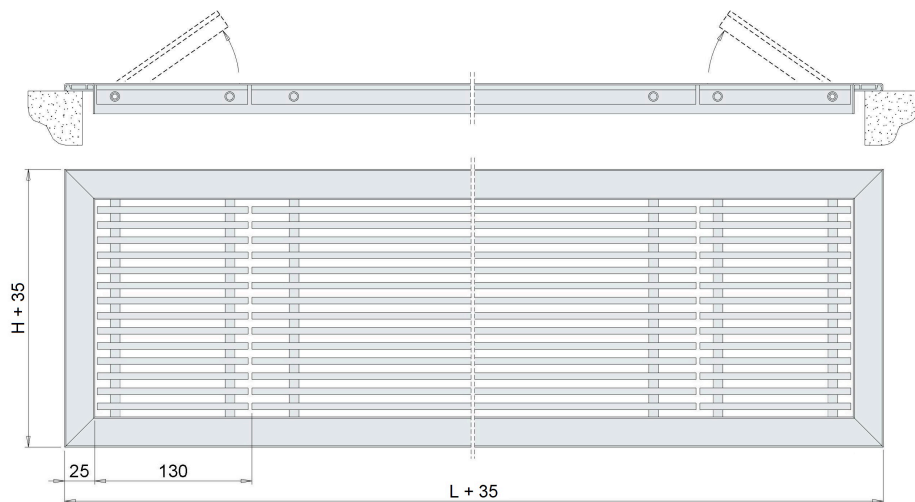
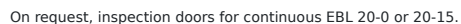
Dimensions EBL 22/0° EBL 22/15°



Fork clips with plate for EBL 22/0° EBL 22/15°.

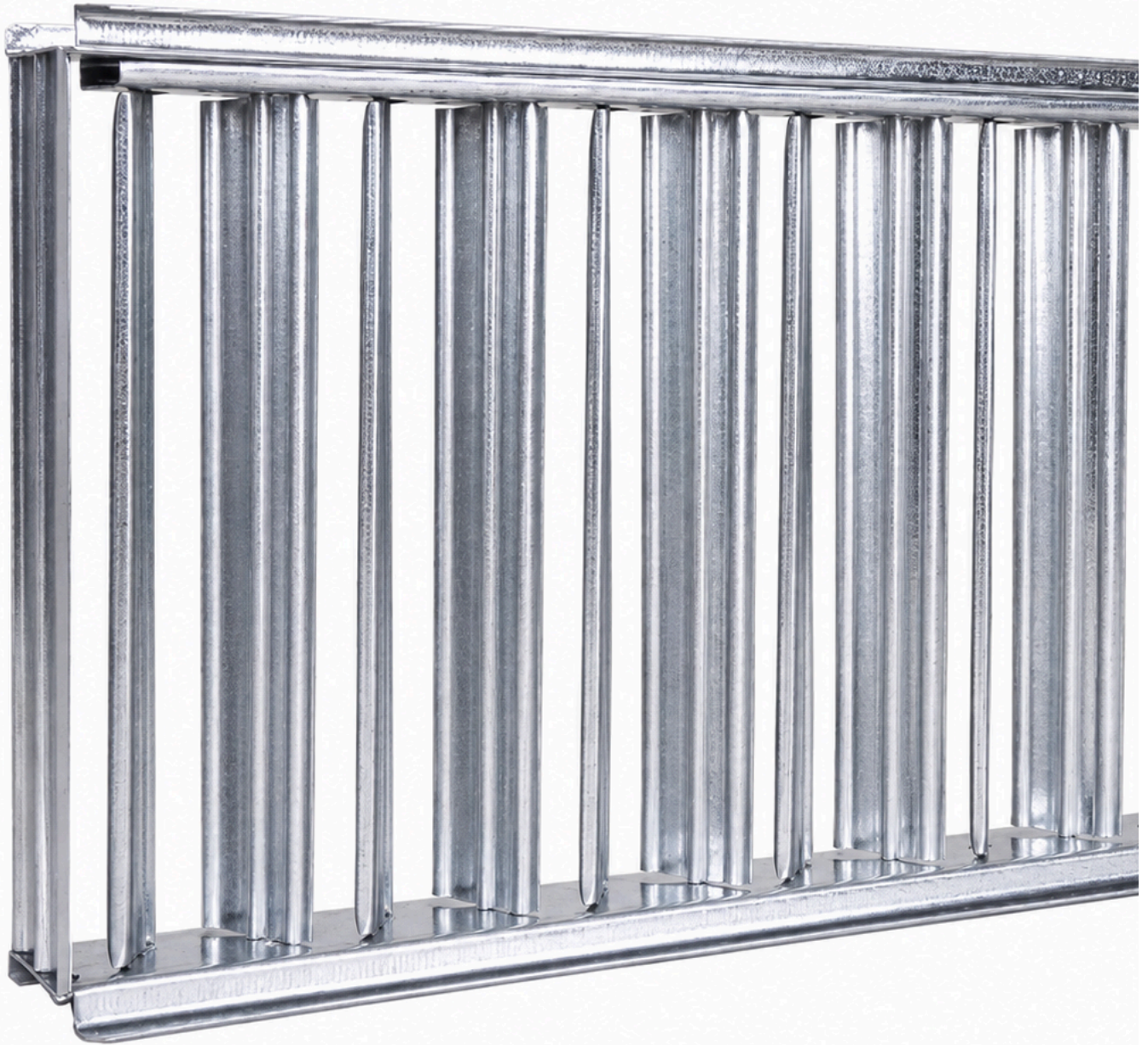
| Photo | Models               | EBL 22 Section Length | Number of Vertical Ducts | Number of Forks |
|-------|----------------------|-----------------------|--------------------------|-----------------|
|       |                      | L (mm)                |                          |                 |
|       | EBL 22/0° EBL 22/15° | fino a 502 mm         | 2                        | 4               |
|       |                      | da 503 mm a 901 mm    | 3                        | 6               |
|       |                      | da 902 mm a 1277 mm   | 4                        | 8               |
|       |                      | da 1278 mm a 1577 mm  | 5                        | 10              |
|       |                      | da 1578 mm a 1877 mm  | 6                        | 12              |
|       |                      | da 1878 mm a 2000 mm  | 7                        | 14              |

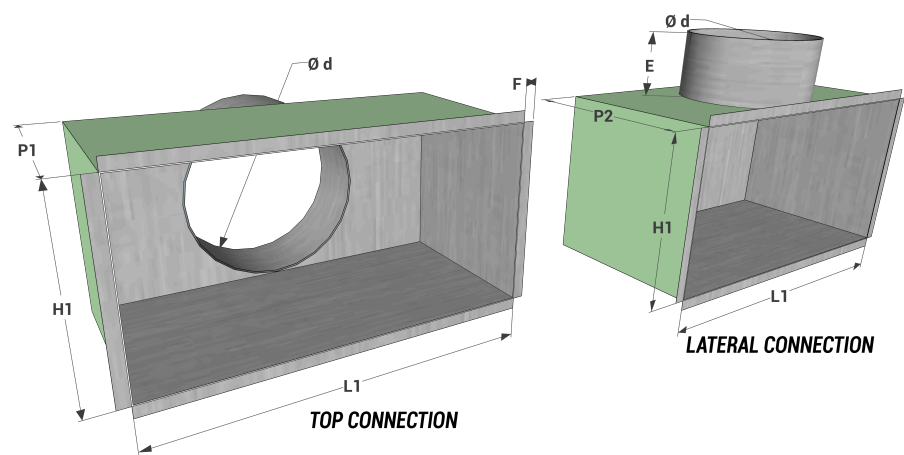
- Length  $L \leq 2000$  mm in one piece;
- Length  $L > 2000$  mm  $\leq 4000$  mm: in two parts of length  $L/2$ ;
- Length  $L > 4000$  mm: in a number of central parts of length  $L = 2000$  and two end parts of length  $L_x > 1000$  mm  $< 2000$  mm.



### SC - Volume Damper

This accessory allows the airflow supplied through the diffuser to be reduced, ensuring accurate airflow balancing. The damper is attached to the diffuser using the clips supplied with the diffuser. Opposed-blade balancing damper manufactured from galvanized steel. Maximum one-piece construction dimensions (L x H): 1000 x 600 mm.





Price List

EBL 20 removable pack +20%.  
Continuous EBL 20-0 EBL 20-15 prices on request.

| Dimensions | EBL-20/0° | EBL-20/15° | EBL-21/0° | EBL-21/15° | EBL-22/0° | EBL-22/15° |
|------------|-----------|------------|-----------|------------|-----------|------------|
| LxH        | Eur       | Eur        | Eur       | Eur        | Eur       | Eur        |
| 400x75     | -         | -          | -         | -          | -         | -          |
| 500x75     | -         | -          | -         | -          | -         | -          |
| 600x75     | -         | -          | -         | -          | -         | -          |
| 800x75     | -         | -          | -         | -          | -         | -          |
| 1000x75    | -         | -          | -         | -          | -         | -          |
| 400x100    | -         | -          | -         | -          | -         | -          |
| 500x100    | -         | -          | -         | -          | -         | -          |
| 600x100    | -         | -          | -         | -          | -         | -          |
| 800x100    | -         | -          | -         | -          | -         | -          |
| 1000x100   | -         | -          | -         | -          | -         | -          |
| 400x125    | -         | -          | -         | -          | -         | -          |
| 500x125    | -         | -          | -         | -          | -         | -          |
| 600x125    | -         | -          | -         | -          | -         | -          |
| 800x125    | -         | -          | -         | -          | -         | -          |
| 1000x125   | -         | -          | -         | -          | -         | -          |
| 400x150    | -         | -          | -         | -          | -         | -          |
| 500x150    | -         | -          | -         | -          | -         | -          |
| 600x150    | -         | -          | -         | -          | -         | -          |
| 800x150    | -         | -          | -         | -          | -         | -          |
| 1000x150   | -         | -          | -         | -          | -         | -          |
| 400x200    | -         | -          | -         | -          | -         | -          |
| 500x200    | -         | -          | -         | -          | -         | -          |
| 600x200    | -         | -          | -         | -          | -         | -          |
| 800x200    | -         | -          | -         | -          | -         | -          |
| 1000x200   | -         | -          | -         | -          | -         | -          |
| 600x300    | -         | -          | -         | -          | -         | -          |
| 800x300    | -         | -          | -         | -          | -         | -          |
| 1000x300   | -         | -          | -         | -          | -         | -          |

| Models<br>L1 x H1 | Top Connection |                    |     | Lateral Connection |                    |     | E  | F  | Models<br>L1 x H1 | Top Connection |                    |     | Lateral Connection |                    |     | E  | F  |
|-------------------|----------------|--------------------|-----|--------------------|--------------------|-----|----|----|-------------------|----------------|--------------------|-----|--------------------|--------------------|-----|----|----|
|                   | P1             | Nr.<br>Connections | Ø d | P2                 | Nr.<br>Connections | Ø d |    |    |                   | P1             | Nr.<br>Connections | Ø d | P2                 | Nr.<br>Connections | Ø d |    |    |
| 400x75            | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 1000x125          | 200            | 3                  | 123 | 230                | 3                  | 123 | 80 | 12 |
| 500x75            | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 400x150           | 200            | 1                  | 148 | 250                | 1                  | 148 | 80 | 12 |
| 600x75            | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 500x150           | 200            | 2                  | 148 | 250                | 2                  | 148 | 80 | 12 |
| 800x75            | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 600x150           | 200            | 2                  | 148 | 250                | 2                  | 148 | 80 | 12 |
| 1000x75           | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 800x150           | 200            | 2                  | 148 | 250                | 2                  | 148 | 80 | 12 |
| 400x100           | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 1000x150          | 200            | 3                  | 148 | 250                | 3                  | 148 | 80 | 12 |
| 500x100           | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 400x200           | 200            | 1                  | 198 | 300                | 1                  | 198 | 80 | 12 |
| 600x100           | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 500x200           | 200            | 1                  | 198 | 300                | 1                  | 198 | 80 | 12 |
| 800x100           | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 600x200           | 200            | 2                  | 198 | 300                | 2                  | 198 | 80 | 12 |
| 1000x100          | 200            | 3                  | 98  | 200                | 3                  | 98  | 80 | 12 | 800x200           | 200            | 2                  | 198 | 300                | 2                  | 198 | 80 | 12 |
| 400x125           | 200            | 1                  | 123 | 230                | 1                  | 123 | 80 | 12 | 1000x200          | 200            | 2                  | 198 | 300                | 2                  | 198 | 80 | 12 |
| 500x125           | 200            | 2                  | 123 | 230                | 2                  | 123 | 80 | 12 | 600x300           | 200            | 2                  | 198 | 350                | 2                  | 248 | 80 | 12 |
| 600x125           | 200            | 2                  | 123 | 230                | 2                  | 123 | 80 | 12 | 800x300           | 200            | 2                  | 248 | 350                | 2                  | 248 | 80 | 12 |
| 800x125           | 200            | 2                  | 123 | 230                | 2                  | 123 | 80 | 12 | 1000x300          | 200            | 2                  | 248 | 350                | 2                  | 248 | 80 | 12 |

Price List - RAL 9016

EBL 20 removable pack +20%.

Continuous EBL 20-0 EBL 20-15 prices on request.

| Dimensions | EBL-20/0° | EBL-20/15° | EBL-21/0° | EBL-21/15° | EBL-22/0° | EBL-22/15° |
|------------|-----------|------------|-----------|------------|-----------|------------|
| LxH        | Eur       | Eur        | Eur       | Eur        | Eur       | Eur        |
| 400x75     | -         | -          | -         | -          | -         | -          |
| 500x75     | -         | -          | -         | -          | -         | -          |
| 600x75     | -         | -          | -         | -          | -         | -          |
| 800x75     | -         | -          | -         | -          | -         | -          |
| 1000x75    | -         | -          | -         | -          | -         | -          |
| 200x100    | -         | -          | -         | -          | -         | -          |
| 300x100    | -         | -          | -         | -          | -         | -          |
| 400x100    | -         | -          | -         | -          | -         | -          |
| 500x100    | -         | -          | -         | -          | -         | -          |
| 600x100    | -         | -          | -         | -          | -         | -          |
| 800x100    | -         | -          | -         | -          | -         | -          |
| 1000x100   | -         | -          | -         | -          | -         | -          |
| 400x125    | -         | -          | -         | -          | -         | -          |
| 500x125    | -         | -          | -         | -          | -         | -          |
| 600x125    | -         | -          | -         | -          | -         | -          |
| 800x125    | -         | -          | -         | -          | -         | -          |
| 1000x125   | -         | -          | -         | -          | -         | -          |
| 400x150    | -         | -          | -         | -          | -         | -          |
| 500x150    | -         | -          | -         | -          | -         | -          |
| 600x150    | -         | -          | -         | -          | -         | -          |
| 800x150    | -         | -          | -         | -          | -         | -          |
| 1000x150   | -         | -          | -         | -          | -         | -          |
| 400x200    | -         | -          | -         | -          | -         | -          |
| 500x200    | -         | -          | -         | -          | -         | -          |
| 600x200    | -         | -          | -         | -          | -         | -          |
| 800x200    | -         | -          | -         | -          | -         | -          |
| 1000x200   | -         | -          | -         | -          | -         | -          |
| 500x300    | -         | -          | -         | -          | -         | -          |
| 600x300    | -         | -          | -         | -          | -         | -          |
| 800x300    | -         | -          | -         | -          | -         | -          |
| 1000x300   | -         | -          | -         | -          | -         | -          |



Accessories

| Dimensions | Top Connection   |                            | Lateral Connection |                            | SC - Volume Damper | CT - Mounting-frame |
|------------|------------------|----------------------------|--------------------|----------------------------|--------------------|---------------------|
|            | EPZ - Plenum Box | EPI - Insulated Plenum Box | EPZ - Plenum Box   | EPI - Insulated Plenum Box |                    |                     |
| L1xH1      | Eur              | Eur                        | Eur                | Eur                        | Eur                | Eur                 |
| 400x75     | -                | -                          | -                  | -                          | -                  | -                   |
| 500x75     | -                | -                          | -                  | -                          | -                  | -                   |
| 600x75     | -                | -                          | -                  | -                          | -                  | -                   |
| 800x75     | -                | -                          | -                  | -                          | -                  | -                   |
| 1000x75    | -                | -                          | -                  | -                          | -                  | -                   |
| 400x100    | -                | -                          | -                  | -                          | -                  | -                   |
| 500x100    | -                | -                          | -                  | -                          | -                  | -                   |
| 600x100    | -                | -                          | -                  | -                          | -                  | -                   |
| 800x100    | -                | -                          | -                  | -                          | -                  | -                   |
| 1000x100   | -                | -                          | -                  | -                          | -                  | -                   |
| 400x125    | -                | -                          | -                  | -                          | -                  | -                   |
| 500x125    | -                | -                          | -                  | -                          | -                  | -                   |
| 600x125    | -                | -                          | -                  | -                          | -                  | -                   |
| 800x125    | -                | -                          | -                  | -                          | -                  | -                   |
| 1000x125   | -                | -                          | -                  | -                          | -                  | -                   |
| 400x150    | -                | -                          | -                  | -                          | -                  | -                   |
| 500x150    | -                | -                          | -                  | -                          | -                  | -                   |
| 600x150    | -                | -                          | -                  | -                          | -                  | -                   |
| 800x150    | -                | -                          | -                  | -                          | -                  | -                   |
| 1000x150   | -                | -                          | -                  | -                          | -                  | -                   |
| 400x200    | -                | -                          | -                  | -                          | -                  | -                   |
| 500x200    | -                | -                          | -                  | -                          | -                  | -                   |
| 600x200    | -                | -                          | -                  | -                          | -                  | -                   |
| 800x200    | -                | -                          | -                  | -                          | -                  | -                   |
| 1000x200   | -                | -                          | -                  | -                          | -                  | -                   |
| 600x300    | -                | -                          | -                  | -                          | -                  | -                   |
| 800x300    | -                | -                          | -                  | -                          | -                  | -                   |
| 1000x300   | -                | -                          | -                  | -                          | -                  | -                   |

| Fork Clips with EBL 22 Plate |     |
|------------------------------|-----|
| Models                       | Eur |
| Fork Clips                   | -   |