

# EBLS Hidden grilles with removable central core and retractable frame.



## Description

Linear grilles with horizontal aluminium fixed bars with 0° or 15° deflection. Retractable frame.

## Characteristics

Material: aluminium.

Finish: anodized.

Frame: natural aluminium.

Installation: fixing with screws

## Use

Grilles used in air conditioning and ventilation systems for both supply and return. They can be installed on the ceiling and on the wall.

## Models

- EBLs 20/0°: with retractable frame, fixed front pull-out bars with 0° deflection;
- EBLs 21/0°: with retractable frame, fixed front pull-out bars with 0° deflection and pivoting rear flaps;
- EBLs 20/15°: with retractable frame, fixed front pull-out bars with 15° deflection;
- EBLs 21/15°: with retractable frame, fixed front pull-out bars with 15° deflection and pivoting rear flaps.

## Accessories

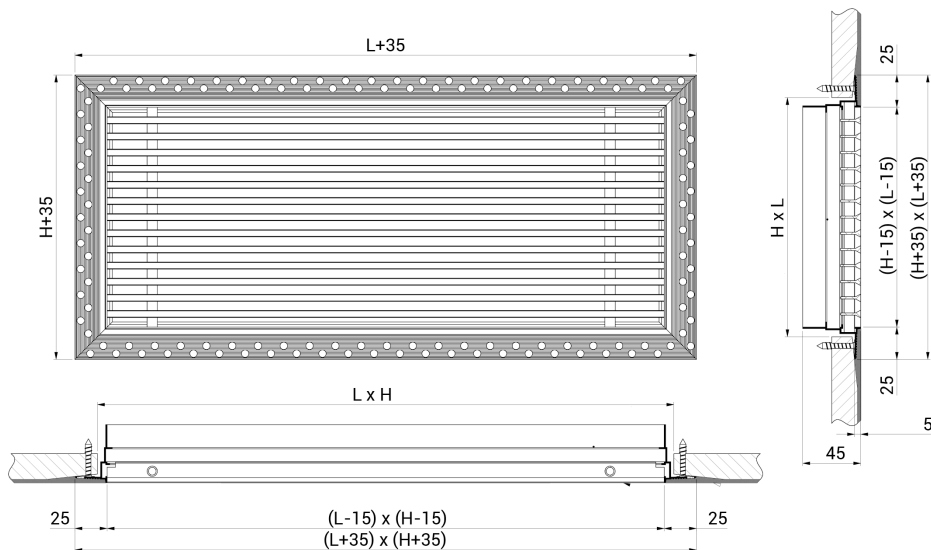
- EPZ - Galvanised Plenum Box;
- EPI - Insulated Plenum Box;
- SC - Galvanised steel regulation damper with blades with opposing movement;
- K-CON - Continuity kit;
- Air intake filter EFEBLS.

## On demand

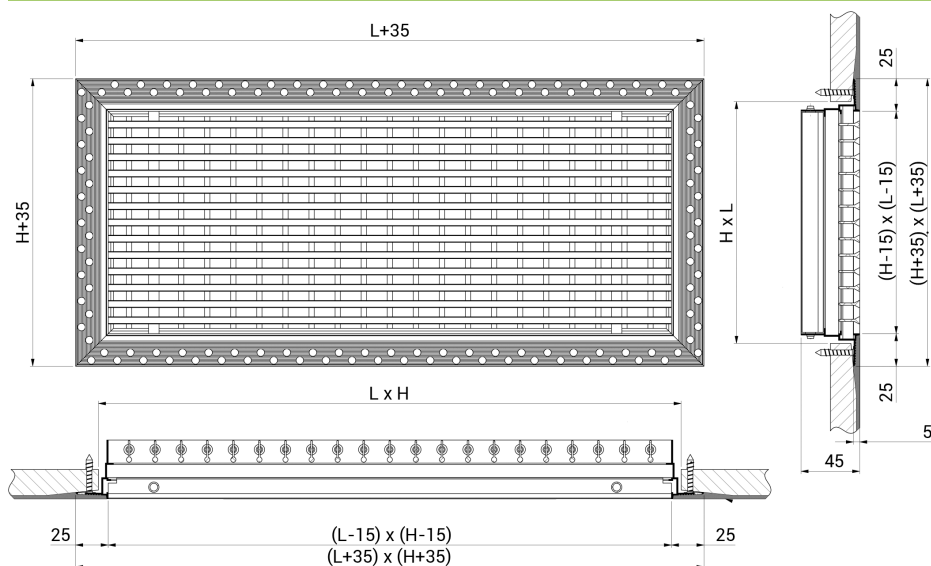
Paint colour RAL9016 or other colours of your choice.

## Dimensions EBLs 20/0°

All dimensions are expressed in mm.



## Dimensions EBLs 21/0°



Operating Data

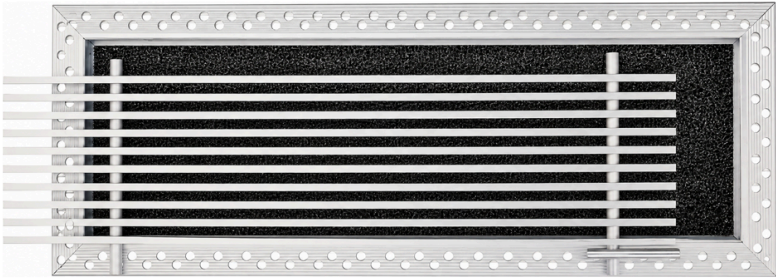
- Vk: effective speed (m/s).
- m³/h: air flow.
- Pa: pressure drop in Pascal.
- L1 (m): data referring to a terminal throw velocity Vt = 0.25 m/s and with a temperature differential of 10/12°C in ceiling insallation (not higher than 3 m); for longer distances, it needs to correct the throw multiplying it by 0,7.
- dB(A): noise level.

\* Data refers to clean filter conditions for use of the grille in return air applications with EFEBLS filter.

Dimensions are expressed in mm.

| Dimensions LxH | Effective Section | Vk 1,5 m/s* | Vk 3 m/s |     | Vk 4 m/s |     | Vk 5 m/s |     |
|----------------|-------------------|-------------|----------|-----|----------|-----|----------|-----|
|                | m²                | m³/h        | m³/h     | L1  | m³/h     | L1  | m³/h     | L1  |
| 400x75         | 0,015             | 80          | 160      | 2,8 | 213      | 3,8 | 266      | 4,7 |
| 500x75         | 0,019             | 100         | 201      | 3   | 268      | 3,9 | 335      | 4,9 |
| 600x75         | 0,022             | 121         | 243      | 3,1 | 323      | 4,1 | 404      | 5,1 |
| 800x75         | 0,030             | 163         | 326      | 3,3 | 434      | 4,3 | 543      | 5,4 |
| 1000x75        | 0,038             | 204         | 408      | 3,4 | 545      | 4,5 | 681      | 5,7 |
| 400x100        | 0,020             | 108         | 216      | 2,9 | 292      | 3,8 | 365      | 4,8 |
| 500x100        | 0,026             | 138         | 276      | 3   | 367      | 4   | 459      | 5   |
| 600x100        | 0,031             | 166         | 332      | 3,1 | 443      | 4,2 | 554      | 5,2 |
| 800x100        | 0,041             | 223         | 446      | 3,3 | 595      | 4,4 | 743      | 5,5 |
| 1000x100       | 0,052             | 280         | 560      | 3,5 | 746      | 4,6 | 933      | 5,8 |
| 400x125        | 0,026             | 139         | 278      | 2,9 | 370      | 3,9 | 463      | 4,9 |
| 500x125        | 0,032             | 175         | 350      | 3,1 | 467      | 4,1 | 583      | 5,1 |
| 600x125        | 0,039             | 211         | 422      | 3,2 | 563      | 4,2 | 703      | 5,3 |
| 800x125        | 0,052             | 283         | 566      | 3,4 | 755      | 4,5 | 944      | 5,6 |
| 1000x125       | 0,066             | 355         | 711      | 3,5 | 947      | 4,7 | 1184     | 5,9 |
| 400x150        | 0,031             | 168         | 337      | 3   | 449      | 4   | 561      | 5   |
| 500x150        | 0,039             | 212         | 424      | 3,1 | 566      | 4,2 | 707      | 5,2 |
| 600x150        | 0,047             | 256         | 512      | 3,3 | 682      | 4,3 | 853      | 5,4 |
| 800x150        | 0,064             | 343         | 687      | 3,4 | 916      | 4,6 | 1145     | 5,7 |
| 1000x150       | 0,080             | 431         | 862      | 3,6 | 1149     | 4,8 | 1436     | 6   |
| 400x200        | 0,042             | 227         | 455      | 3,1 | 607      | 4,2 | 758      | 5,2 |
| 500x200        | 0,053             | 286         | 573      | 3,3 | 764      | 4,4 | 955      | 5,4 |
| 600x200        | 0,064             | 345         | 691      | 3,4 | 922      | 4,5 | 1152     | 5,6 |
| 800x200        | 0,086             | 463         | 927      | 3,6 | 1237     | 4,8 | 1546     | 6   |
| 1000x200       | 0,108             | 582         | 1164     | 3,8 | 1552     | 5   | 1940     | 6,3 |
| Pa             |                   | 18          | 5        |     | 10       |     | 15       |     |
| dB(A)          |                   | 32/38       | 25 / 32  |     | 33 / 39  |     | 38 / 44  |     |

Construction Details

| Installazione filo parete e facile accesso al filtro                                                                                                                                                                                                                                                                                                                          | Foratura perimetrale e allineamento dei profili                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>La cornice a scomparsa è progettata per essere integrata nella parete mediante rasatura in gesso, garantendo un risultato estetico pulito, discreto e perfettamente complanare alla superficie.</p> <p>Il gruppo frontale è facilmente removibile, consentendo un accesso rapido e immediato al filtro interno per le operazioni di ispezione, pulizia e manutenzione.</p> | <p>I fori distribuiti lungo il telaio assicurano un fissaggio semplice, stabile e uniforme alla struttura.</p> <p>L'allineamento preciso dei profili garantisce una cornice pulita, regolare e perfettamente integrata nella superficie.</p> |
|                                                                                                                                                                                                                                                                                             |                                                                                                                                                         |

EFEBLS - Air Intake Filter

6 mm thick rigid polyurethane air intake filter without frame.

| Photo                                                                             | Physical Properties  | Misurazione                        | Standard      | Risultato |
|-----------------------------------------------------------------------------------|----------------------|------------------------------------|---------------|-----------|
|  | Porosity             | PPI - (Pores for Inch)             |               | 15-25     |
|                                                                                   | Density              | kg/m <sup>3</sup>                  | ISO 845       | 55        |
|                                                                                   | Compressive Strength | kPa at 25% Compression (20 °C)     | ASTM D1564 70 |           |
|                                                                                   | Permanent Elongation | %                                  | ISO 1798      | 35        |
|                                                                                   | Tensile Strength     | kPa                                | ISO 1798      | 200       |
|                                                                                   | Tear Resistance      | Nm/cm                              | ASTM D1564 15 |           |
|                                                                                   | Fire Performance     | Nota: Il materiale non è ignifugo. |               |           |

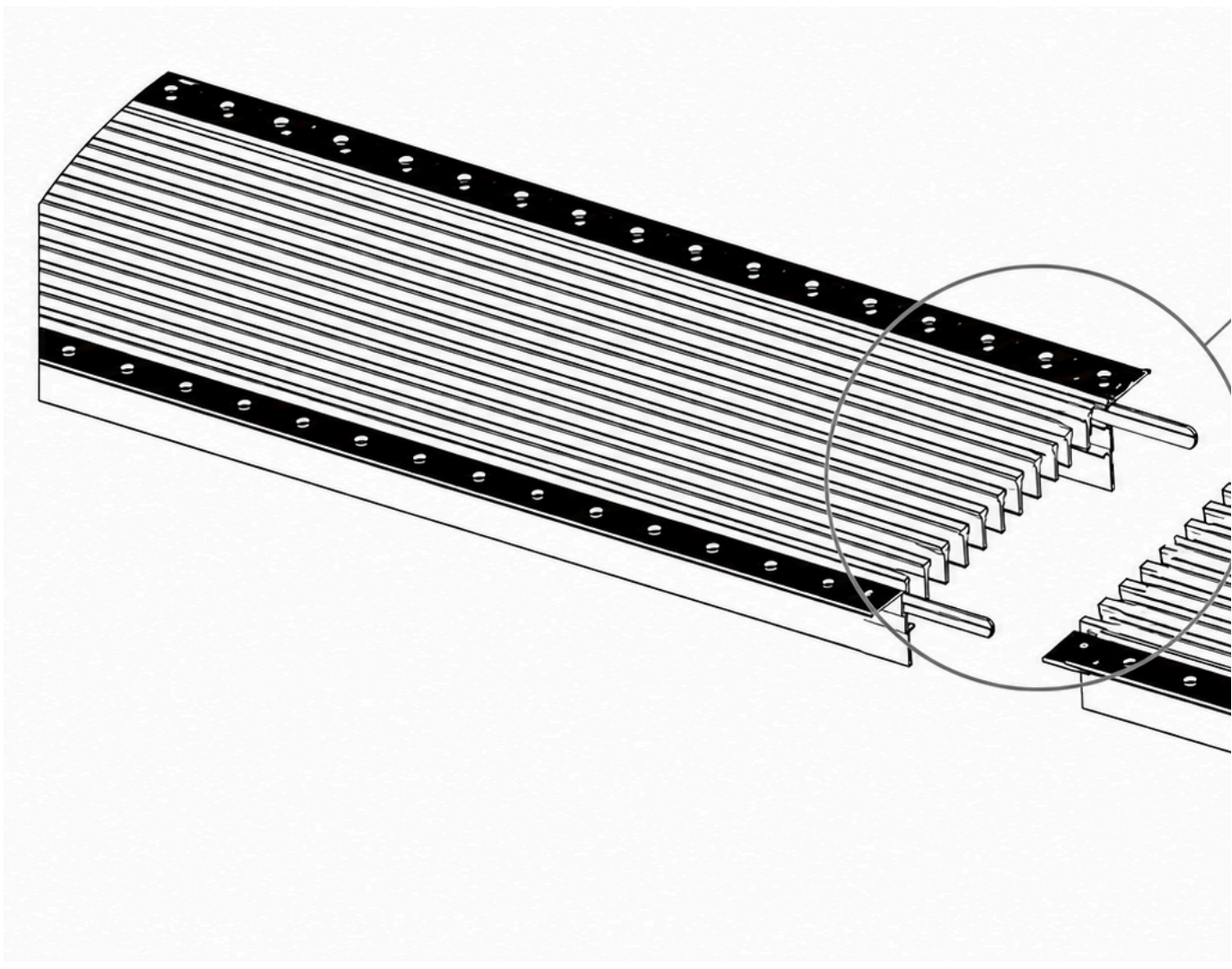
SC - Calibration Damper

SC galvanized steel calibration damper with fins with opposing movement.

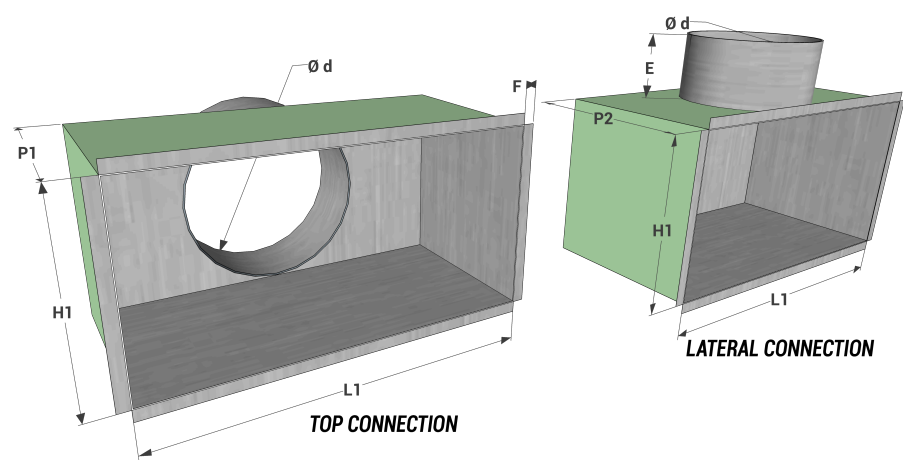




Continuity kit

| Description                                                                                                                                                                                                                                                                                                                  | Photo                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>The continuity kit is an accessory required to create continuous linear grille runs longer than one meter. It consists of two joining plates that ensure the alignment and secure connection of two adjacent grille sections.</p> <p>NOTE: The continuity kit requires the grille core to be fixed and non-removable.</p> |  |

Plenum Box





All dimensions are expressed in mm.

| Model<br>L1 x H1 | Top Connection |                    |     | Lateral Connection |                    |     | E  | F  | Model<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 | 800x125          | 200            | 2                  | 123 | 230                | 2                  | 123 | 80 | 12 |
| 500x75           | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 1000x125         | 200            | 3                  | 123 | 230                | 3                  | 123 | 80 | 12 |
| 600x75           | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 400x150          | 200            | 1                  | 148 | 250                | 1                  | 148 | 80 | 12 |
| 800x75           | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 500x150          | 200            | 2                  | 148 | 250                | 2                  | 148 | 80 | 12 |
| 1000x75          | -              | -                  | -   | 150                | 2                  | 98  | 80 | 12 | 600x150          | 200            | 2                  | 148 | 250                | 2                  | 148 | 80 | 12 |
| 400x100          | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 800x150          | 200            | 2                  | 148 | 250                | 2                  | 148 | 80 | 12 |
| 500x100          | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 1000x150         | 200            | 3                  | 148 | 250                | 3                  | 148 | 80 | 12 |
| 600x100          | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 400x200          | 200            | 1                  | 198 | 300                | 1                  | 198 | 80 | 12 |
| 800x100          | 200            | 2                  | 98  | 200                | 2                  | 98  | 80 | 12 | 500x200          | 200            | 1                  | 198 | 300                | 1                  | 198 | 80 | 12 |
| 1000x100         | 200            | 3                  | 98  | 200                | 3                  | 98  | 80 | 12 | 600x200          | 200            | 2                  | 198 | 300                | 2                  | 198 | 80 | 12 |
| 400x125          | 200            | 1                  | 123 | 230                | 1                  | 123 | 80 | 12 | 800x200          | 200            | 2                  | 198 | 300                | 2                  | 198 | 80 | 12 |
| 500x125          | 200            | 2                  | 123 | 230                | 2                  | 123 | 80 | 12 | 1000x200         | 200            | 2                  | 198 | 300                | 2                  | 198 | 80 | 12 |
| 600x125          | 200            | 2                  | 123 | 230                | 2                  | 123 | 80 | 12 |                  |                |                    |     |                    |                    |     |    |    |

Price List

Note: painted white RAL9016 + 20%.

| Dimensions | EBLS-20/0° | EBLS-20/15° | EBLS-21/0° | EBLS-21/15° |
|------------|------------|-------------|------------|-------------|
| LxH        | €          | €           | €          | €           |
| 400x75     | 61,28      | 61,28       | 82,47      | 82,47       |
| 500x75     | 69,73      | 69,73       | 91,61      | 91,61       |
| 600x75     | 76,51      | 76,51       | 100,31     | 100,31      |
| 800x75     | 97,01      | 97,01       | 130,36     | 130,36      |
| 1000x75    | 114,58     | 114,58      | 167,77     | 167,77      |
| 400x100    | 67,00      | 67,00       | 88,12      | 88,12       |
| 500x100    | 73,04      | 73,04       | 101,53     | 101,53      |
| 600x100    | 84,81      | 84,81       | 113,28     | 113,28      |
| 800x100    | 107,24     | 107,24      | 149,88     | 149,88      |
| 1000x100   | 128,25     | 128,25      | 191,85     | 191,85      |
| 400x125    | 72,27      | 72,27       | 90,51      | 90,51       |
| 500x125    | 84,06      | 84,06       | 114,66     | 114,66      |
| 600x125    | 93,26      | 93,26       | 125,02     | 125,02      |
| 800x125    | 117,76     | 117,76      | 172,96     | 172,96      |
| 1000x125   | 141,89     | 141,89      | 205,65     | 205,65      |
| 400x150    | 78,18      | 78,18       | 113,21     | 113,21      |
| 500x150    | 86,24      | 86,24       | 124,23     | 124,23      |
| 600x150    | 102,03     | 102,03      | 147,41     | 147,41      |
| 800x150    | 130,87     | 130,87      | 161,92     | 161,92      |
| 1000x150   | 155,85     | 155,85      | 214,35     | 214,35      |
| 400x200    | 90,96      | 90,96       | 120,69     | 120,69      |
| 500x200    | 100,97     | 100,97      | 130,89     | 130,89      |
| 600x200    | 120,52     | 120,52      | 157,84     | 157,84      |
| 800x200    | 154,51     | 154,51      | 204,85     | 204,85      |
| 1000x200   | 185,73     | 185,73      | 235,33     | 235,33      |

Continuity kit

|                        |      |
|------------------------|------|
| Continues Line Kit.    | €    |
| K-CON - Continuity Kit | 2,39 |

Accessories

All dimensions are expressed in mm.

| Dimensions | Top Connection   |                            | Lateral Connection |                            | SC - Volume Damper | EFEBLS Filtro di ripresa per EBL5 20 |
|------------|------------------|----------------------------|--------------------|----------------------------|--------------------|--------------------------------------|
|            | EPZ - Plenum Box | EPI - Insulated Plenum Box | EPZ - Plenum Box   | EPI - Insulated Plenum Box |                    |                                      |
| L1xH1      | €                | €                          | €                  | €                          | €                  | €                                    |
| 400x75     | -                | -                          | 44,84              | 59,19                      | 18,44              | 13,22                                |
| 500x75     | -                | -                          | 47,43              | 62,67                      | 22,01              | 16,34                                |
| 600x75     | -                | -                          | 50,03              | 66,14                      | 25,18              | 19,31                                |
| 800x75     | -                | -                          | 55,23              | 73,13                      | 31,65              | 25,15                                |
| 1000x75    | -                | -                          | 63,54              | 89,24                      | 38,83              | 31,20                                |
| 400x100    | 44,84            | 59,19                      | 44,84              | 59,19                      | 18,44              | 15,56                                |
| 500x100    | 47,43            | 62,67                      | 47,43              | 62,67                      | 22,01              | 18,79                                |
| 600x100    | 50,03            | 66,14                      | 50,03              | 66,14                      | 25,18              | 22,17                                |
| 800x100    | 55,23            | 73,13                      | 55,23              | 73,13                      | 31,65              | 29,08                                |
| 1000x100   | 52,00            | 71,34                      | 69,06              | 94,64                      | 38,83              | 35,62                                |
| 400x125    | 37,77            | 52,07                      | 39,25              | 54,07                      | 21,28              | 17,53                                |
| 500x125    | 48,88            | 64,47                      | 50,64              | 66,86                      | 24,64              | 21,43                                |
| 600x125    | 51,55            | 68,10                      | 53,59              | 70,82                      | 28,08              | 25,15                                |
| 800x125    | 56,99            | 75,41                      | 59,59              | 78,85                      | 35,96              | 32,72                                |
| 1000x125   | 84,01            | 93,64                      | 71,22              | 112,75                     | 43,34              | 40,34                                |
| 400x150    | 39,08            | 53,83                      | 41,64              | 57,27                      | 21,28              | 19,57                                |
| 500x150    | 41,92            | 66,30                      | 53,35              | 70,38                      | 24,64              | 23,88                                |
| 600x150    | 53,11            | 70,06                      | 56,63              | 74,78                      | 28,08              | 28,08                                |
| 800x150    | 69,98            | 89,28                      | 74,38              | 95,24                      | 35,96              | 36,62                                |
| 1000x150   | 84,01            | 105,63                     | 89,37              | 112,75                     | 43,34              | 45,02                                |
| 400x200    | 41,72            | 57,15                      | 47,32              | 64,67                      | 26,32              | 23,88                                |
| 500x200    | 44,76            | 61,27                      | 51,31              | 69,98                      | 30,92              | 28,90                                |
| 600x200    | 62,39            | 81,21                      | 74,86              | 95,68                      | 35,62              | 33,99                                |
| 800x200    | 73,54            | 93,88                      | 82,80              | 106,39                     | 43,65              | 44,09                                |
| 1000x200   | 79,65            | 102,12                     | 79,65              | 117,02                     | 48,71              | 54,23                                |