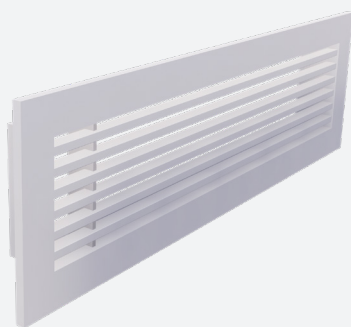


# A-600

## ALUMINIUM BAR GRILLE FOR WALL MOUNTING



### VARIANTS

A-600, A-610, A-620, A-630

Bar grille, suitable for the supply and exhaust of cooled or heated air, with straight bars or with 15° deflection. The grille is suitable for wall mounting. Multiple frame executions and mounting options are available. Installation is possible with or without mounting frame (GR001). Execution in aluminium, standard satin anodised finish.

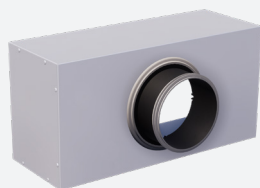
#### Architectural finish

Fixed bars, center distance between bars 12,5mm

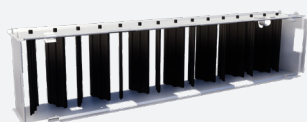
Execution in aluminium, standard satin anodised finish

Easy to install

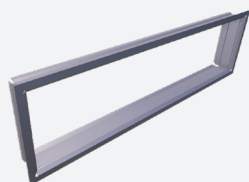
### ACCESSORIES



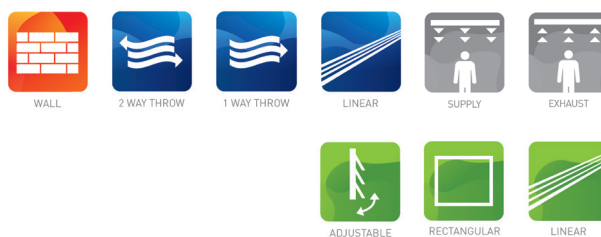
OP100



GT007



GR001



### TECHNICAL INFORMATION

|              |                                                                |                                                        |
|--------------|----------------------------------------------------------------|--------------------------------------------------------|
| APPLICATION  | Type                                                           | Linear, exhaust or supply                              |
|              | Direction                                                      | Horizontal, fixed bars                                 |
| CONSTRUCTION | Center distance between bars                                   | 12,5mm                                                 |
|              | Thickness of frame                                             | 1,5mm -> 6mm                                           |
|              | One row horizontal fixed bars                                  | A-600, A-620                                           |
|              | Min. length                                                    | 100mm                                                  |
|              | Max. length                                                    | 2000mm                                                 |
|              | Available steps in length                                      | 1mm                                                    |
|              | Min. height                                                    | 37,5mm                                                 |
|              | Max. height                                                    | 1000mm                                                 |
|              | Available steps in height                                      | 12,5mm                                                 |
|              | Installation depth                                             | 29mm -> 45mm                                           |
|              | One row horizontal fixed bars + rear adjustable vertical vanes | A-610, A-630                                           |
|              | Min. length                                                    | 100mm                                                  |
|              | Max. length                                                    | 2000mm                                                 |
|              | Available steps in length                                      | 25mm                                                   |
| MATERIAL     | Min. height                                                    | 75mm                                                   |
|              | Max. height                                                    | 625mm                                                  |
|              | Available steps in height                                      | 25mm                                                   |
|              | Installation depth                                             | 29mm -> 43mm                                           |
| MATERIAL     | Standard material                                              | Anodized aluminium                                     |
|              | Standard finishing                                             | Satin anodized 11µm                                    |
|              | Product finishing options                                      | Powder coating RAL of choice                           |
| MOUNTING     | Mounting options                                               | Friction springs, concealed screw fixing, screw fixing |

## QUICK SELECTION

| Supply/Exhaust<br>$Q_v$ [m³/h] |          | L [mm] |     |     |     |     |      |      |      |      |      |      |      |      |
|--------------------------------|----------|--------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| H [mm]                         | $L_w$    | 150    | 200 | 250 | 300 | 400 | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 | 1200 |
| 50                             | 25 dB(A) | 32     | 42  | 51  | 60  | 78  | 94   | 109  | 123  | 137  | 150  | 163  | 175  | 187  |
|                                | 35 dB(A) | 52     | 68  | 84  | 98  | 127 | 153  | 177  | 201  | 223  | 244  | 265  | 285  | 304  |
| 75                             | 25 dB(A) | 51     | 67  | 82  | 96  | 124 | 150  | 174  | 197  | 219  | 239  | 259  | 279  | 297  |
|                                | 35 dB(A) | 83     | 109 | 134 | 157 | 202 | 244  | 283  | 321  | 356  | 390  | 423  | 454  | 484  |
| 100                            | 25 dB(A) | -      | 90  | 110 | 129 | 166 | 201  | 233  | 264  | 293  | 321  | 347  | 373  | 398  |
|                                | 35 dB(A) | -      | 146 | 179 | 211 | 271 | 327  | 380  | 430  | 477  | 523  | 566  | 609  | 649  |
| 150                            | 25 dB(A) | -      | -   | 162 | 191 | 245 | 296  | 343  | 389  | 432  | 473  | 512  | 550  | 587  |
|                                | 35 dB(A) | -      | -   | 265 | 312 | 400 | 483  | 561  | 635  | 705  | 772  | 837  | 899  | 959  |
| 200                            | 25 dB(A) | -      | -   | -   | -   | 321 | 388  | 450  | 510  | 566  | 620  | 671  | 721  | 769  |
|                                | 35 dB(A) | -      | -   | -   | -   | 526 | 635  | 738  | 835  | 927  | 1015 | 1099 | 1181 | 1260 |
| 250                            | 25 dB(A) | -      | -   | -   | -   | -   | 480  | 557  | 631  | 700  | 766  | 830  | 891  | 951  |
|                                | 35 dB(A) | -      | -   | -   | -   | -   | 788  | 915  | 1035 | 1149 | 1258 | 1362 | 1463 | 1561 |
| 300                            | 25 dB(A) | -      | -   | -   | -   | -   | 574  | 666  | 753  | 836  | 916  | 991  | 1065 | 1136 |
|                                | 35 dB(A) | -      | -   | -   | -   | -   | 944  | 1096 | 1239 | 1376 | 1506 | 1631 | 1751 | 1868 |
| 400                            | 25 dB(A) | -      | -   | -   | -   | -   | 770  | 894  | 1011 | 1122 | 1228 | 1329 | 1427 | 1522 |
|                                | 35 dB(A) | -      | -   | -   | -   | -   | 1273 | 1477 | 1670 | 1854 | 2029 | 2196 | 2358 | 2515 |
| 500                            | 25 dB(A) | -      | -   | -   | -   | -   | 984  | 1142 | 1290 | 1432 | 1566 | 1695 | 1820 | 1940 |
|                                | 35 dB(A) | -      | -   | -   | -   | -   | 1633 | 1895 | 2142 | 2376 | 2600 | 2814 | 3021 | 3220 |
| 600                            | 25 dB(A) | -      | -   | -   | -   | -   | 1220 | 1415 | 1598 | 1773 | 1939 | 2099 | 2252 | 2401 |
|                                | 35 dB(A) | -      | -   | -   | -   | -   | 2034 | 2359 | 2665 | 2956 | 3233 | 3499 | 3755 | 4003 |

## EFFECTIVE AIR DISCHARGE AREA

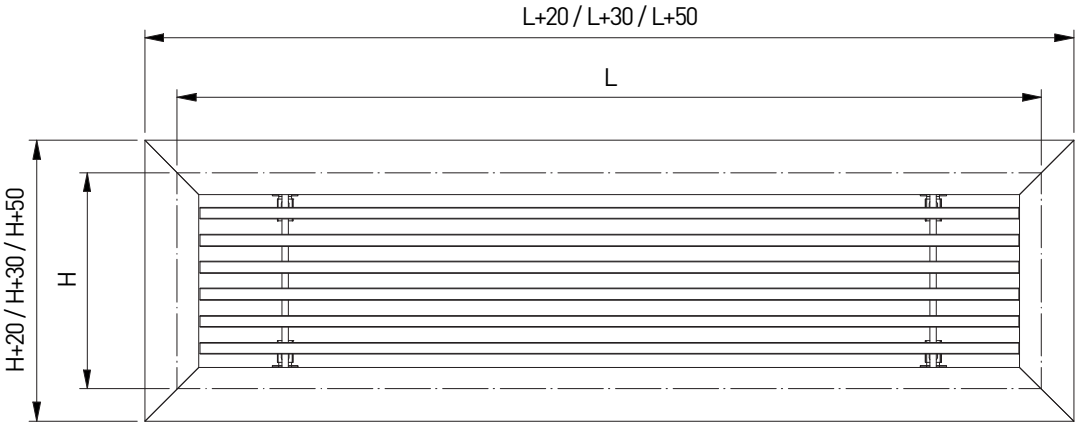
| Supply/Exhaust<br>$A_f$ [m²] |  | L [mm] |        |        |        |        |        |        |        |        |        |        |        |        |
|------------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| H [mm]                       |  | 150    | 200    | 250    | 300    | 400    | 500    | 600    | 700    | 800    | 900    | 1000   | 1100   | 1200   |
| 75                           |  | 0.0045 | 0.0060 | 0.0075 | 0.0090 | 0.0120 | 0.0149 | 0.0179 | 0.0209 | 0.0239 | 0.0269 | 0.0299 | 0.0329 | 0.0359 |
| 100                          |  | 0.0066 | 0.0087 | 0.0109 | 0.0131 | 0.0175 | 0.0218 | 0.0262 | 0.0306 | 0.0349 | 0.0393 | 0.0437 | 0.0481 | 0.0524 |
| 150                          |  | 0.0107 | 0.0143 | 0.0178 | 0.0214 | 0.0285 | 0.0356 | 0.0428 | 0.0499 | 0.0570 | 0.0641 | 0.0713 | 0.0784 | 0.0855 |
| 200                          |  | 0.0148 | 0.0198 | 0.0247 | 0.0297 | 0.0395 | 0.0494 | 0.0593 | 0.0692 | 0.0791 | 0.0890 | 0.0988 | 0.1087 | 0.1186 |
| 250                          |  | 0.0190 | 0.0253 | 0.0316 | 0.0379 | 0.0506 | 0.0632 | 0.0759 | 0.0885 | 0.1011 | 0.1138 | 0.1264 | 0.1391 | 0.1517 |
| 300                          |  | 0.0231 | 0.0308 | 0.0385 | 0.0462 | 0.0616 | 0.0770 | 0.0924 | 0.1078 | 0.1232 | 0.1386 | 0.1540 | 0.1694 | 0.1848 |
| 400                          |  | 0.0314 | 0.0418 | 0.0523 | 0.0627 | 0.0837 | 0.1046 | 0.1255 | 0.1464 | 0.1673 | 0.1882 | 0.2092 | 0.2301 | 0.2510 |
| 500                          |  | 0.0396 | 0.0529 | 0.0661 | 0.0793 | 0.1057 | 0.1322 | 0.1586 | 0.1850 | 0.2115 | 0.2379 | 0.2643 | 0.2907 | 0.3172 |
| 600                          |  | 0.0479 | 0.0639 | 0.0799 | 0.0958 | 0.1278 | 0.1597 | 0.1917 | 0.2236 | 0.2556 | 0.2875 | 0.3195 | 0.3514 | 0.3834 |

## PRODUCT KEY

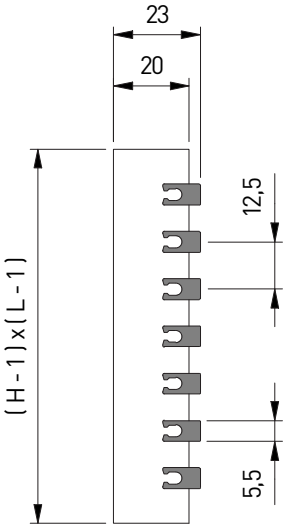
| GRILLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |   |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |                                                              |   |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|--------------------------------------------------------------|---|---|---|
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D | 6 | 0 | 0 | - | - | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 | 0 | 0 | 0                                                            | 3 | 0 | 0 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   | Nominal length L (mm):<br>From 100 to 2000mm,<br>per 1mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |   |   | Nominal height H (mm):<br>From 37,5 to 1000mm,<br>per 12,5mm |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   | -: Naturel anodised<br>F: Coated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |   |                                                              |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   | -: Grille in one piece<br>E: End piece (for 0° deflection)<br>M: Intermediate piece<br>L: Left end piece (for 15° deflection)<br>R: Right end piece (for 15° deflection)<br>C: Corner piece 0° deflection or 15° inwards, inner dimension 300x300mm nominal<br>(painted, not combinable with flow equalizer, damper or acces door)<br>D: Corner piece 15° deflection outwards, inner dimension 300x300mm nominal<br>(painted, not combinable with flow equalizer, damper or acces door)                                                                                                          |   |   |   |                                                              |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   | 0: Grille without damper<br>4: With acces door right (only for grille in one piece)<br>5: With acces door left (only for grille in one piece)<br>7: With damper GT007<br>9: With damper GT009 (not combinable with flow equalizer or concealed screw fixing)                                                                                                                                                                                                                                                                                                                                     |   |   |   |                                                              |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |   |   | 0: 4 bars per 50mm (step 12.5mm), deflection 0°, no flow equalizer<br>1: 4 bars per 50mm (step 12.5mm), deflection 0°, with flow equalizer<br>2: 4 bars per 50mm (step 12.5mm), deflection 15°, no flow equalizer<br>3: 4 bars per 50mm (step 12.5mm), deflection 15°, with flow equalizer<br>4: 3 bars per 50mm (step 16 2/3mm), deflection 0°, no flow equalizer<br>5: 3 bars per 50mm (step 16 2/3mm), deflection 0°, with flow equalizer<br>6: 3 bars per 50mm (step 16 2/3mm), deflection 15°, no flow equalizer<br>7: 3 bars per 50mm (step 16 2/3mm), deflection 15°, with flow equalizer |   |   |   |                                                              |   |   |   |
| A: Frame width 20mm, friction spring fixing<br>B: Frame width 20mm, concealed screw fixing<br>C: Only core, without frame (Not combinable with flow equalizer, damper or acces door. Only for grille in one piece)<br>D: Frame width 25mm, friction spring fixing<br>E: Frame width 25mm, concealed screw fixing<br>F: Frame width 25mm, screw fixing<br>K: Frame width 20mm, straight, friction spring fixing (without mounting frame GR001)<br>M: Frame width 35mm, screw fixing<br>N: Frame width 35mm, fixing with friction springs<br>V: Frame width 35mm, concealed screw fixing |   |   |   |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |                                                              |   |   |   |

- Option with GR001 not available in height 37.5mm
- Flow equalizer only available in height from 75 to 625mm in steps of 25mm and length from 100 to 2000mm in steps of 25mm
- Option 'step 16 2/3mm' only available in height from 50 to 1000mm in steps of 25mm
- Acces door only combinable with '4 bars per 50mm (step 12.5mm)' without flow equalizer
- Damper GT009 only available in height 37.5, 50, en 62.5mm and length <= 750mm
- Damper GT009 for intermediate piece only available in length = 750mm
- Damper GT007 only available in height from 75 to 600mm in steps of 25mm and length from 100 to 2000mm in steps of 25mm
- Grille with acces door, height >= 100mm and length >= 400mm
- Corner piece (standard 90°) only available with inner dimension 300x300mm

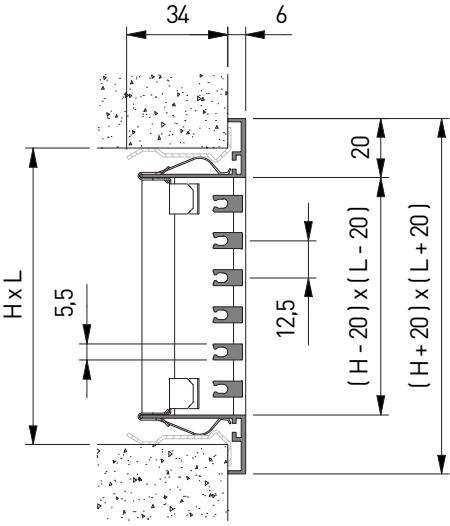
| MOUNTING FRAME |   |   |   |   |   |                                                          |   |   |   |                                                         |   |   |   |
|----------------|---|---|---|---|---|----------------------------------------------------------|---|---|---|---------------------------------------------------------|---|---|---|
| G              | R | 0 | 0 | 1 | - | 0                                                        | 6 | 0 | 0 | 0                                                       | 3 | 0 | 0 |
|                |   |   |   |   |   | Nominal length L (mm):<br>From 75 to 2000mm, per<br>1mm  |   |   |   | Nominal height H (mm):<br>From 50 to 2000mm, per<br>1mm |   |   |   |
|                |   |   |   |   |   | -: In one piece<br>E: End piece<br>M: Intermediate piece |   |   |   |                                                         |   |   |   |



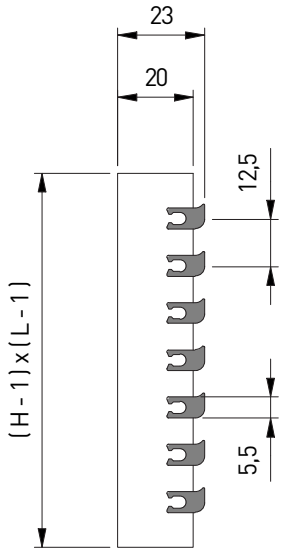
AC600



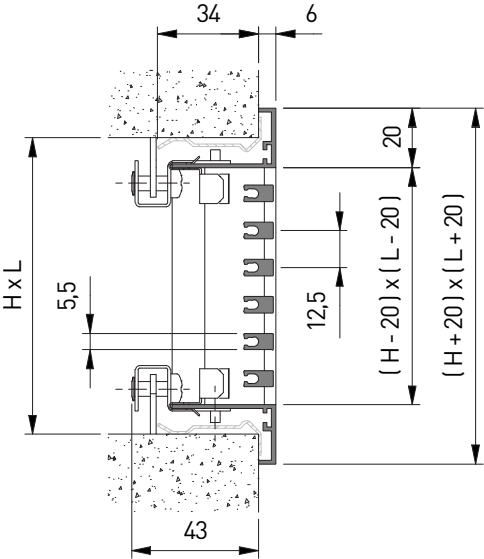
AA600 + GR001



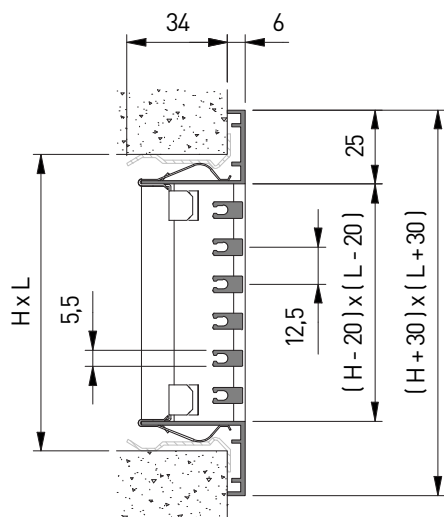
AC620



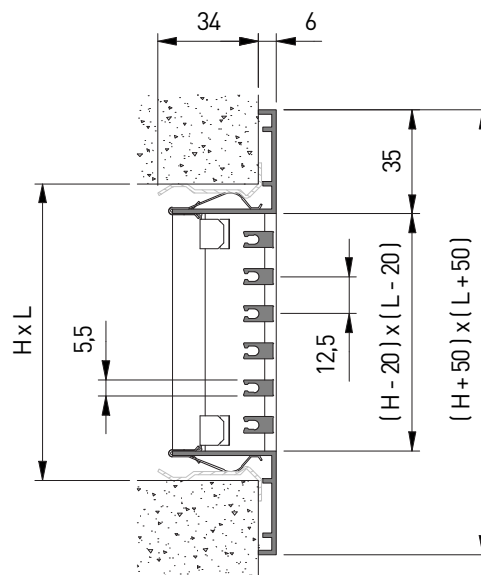
AB600 + GR001



AD600 + GR001

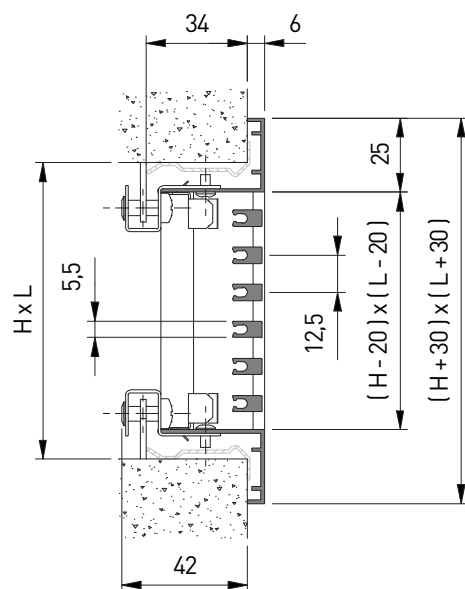


AN600 + GR001

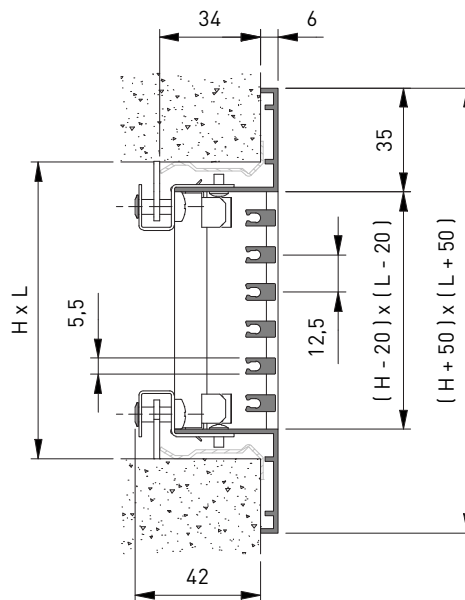


A-600

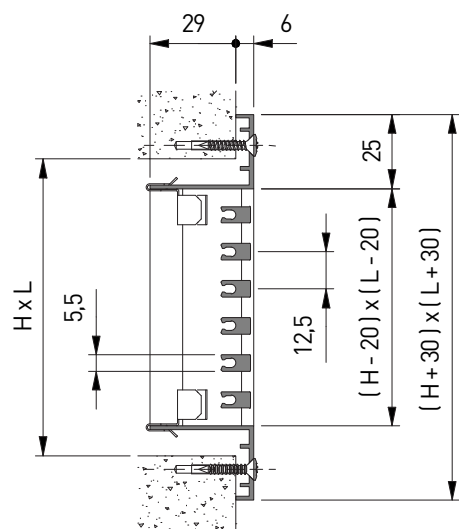
AE600 + GR001



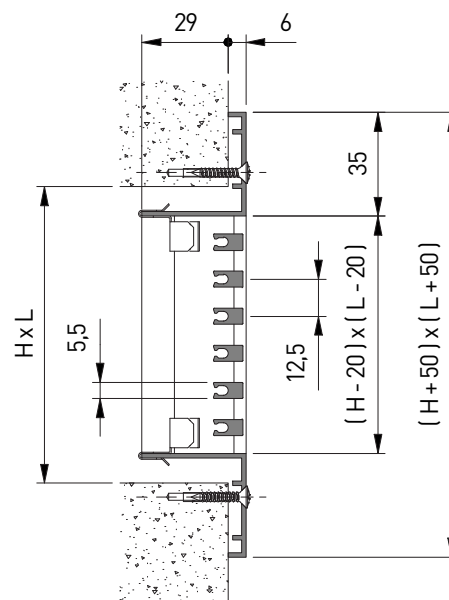
AV600 + GR001

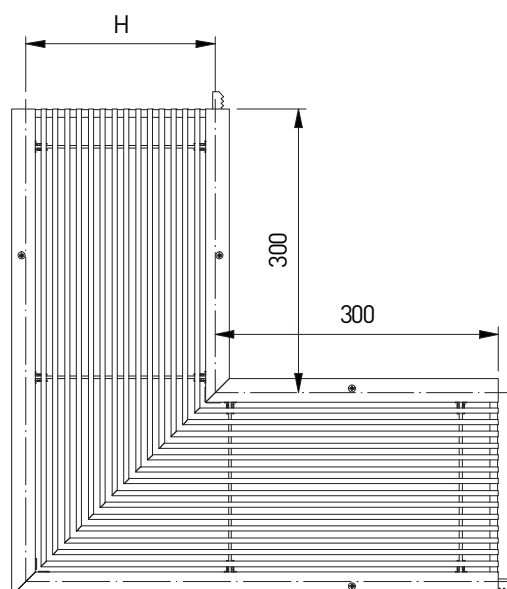
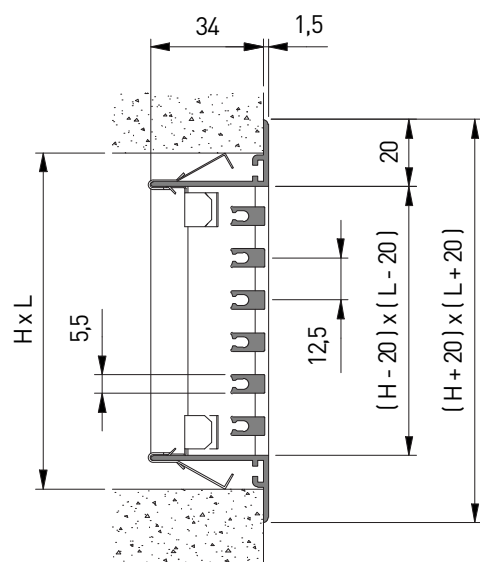


AF600

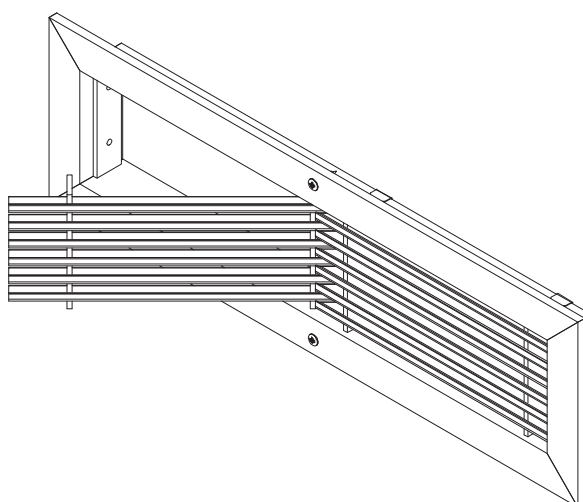
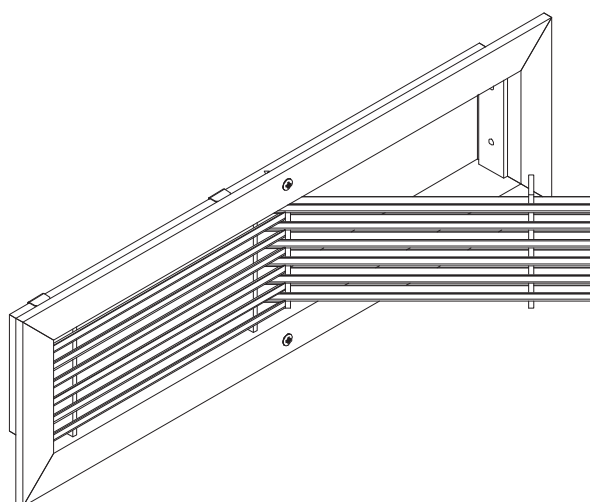
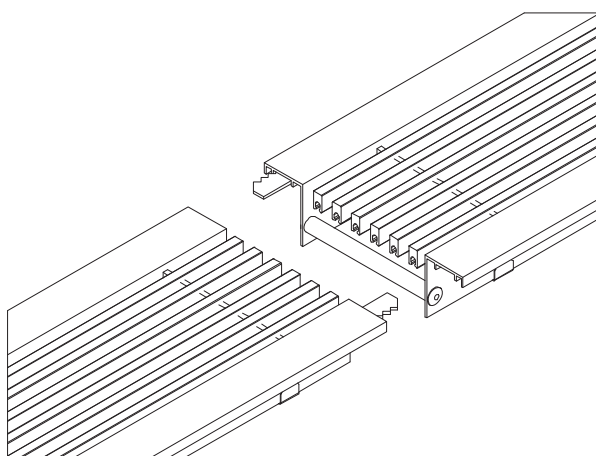
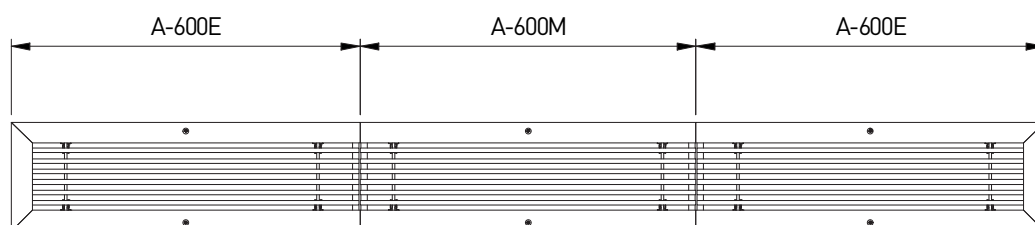


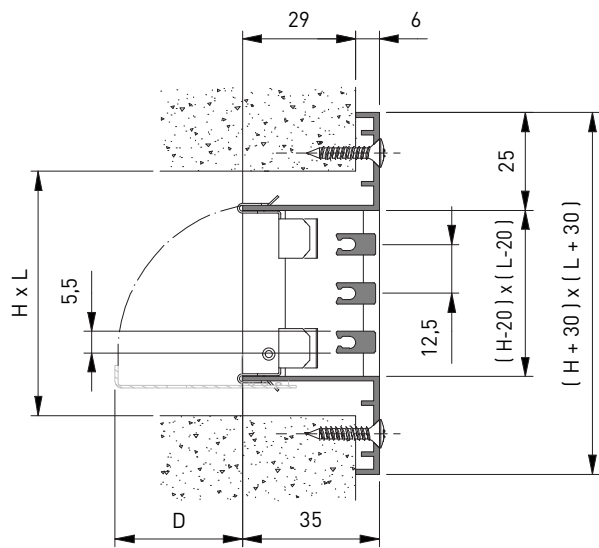
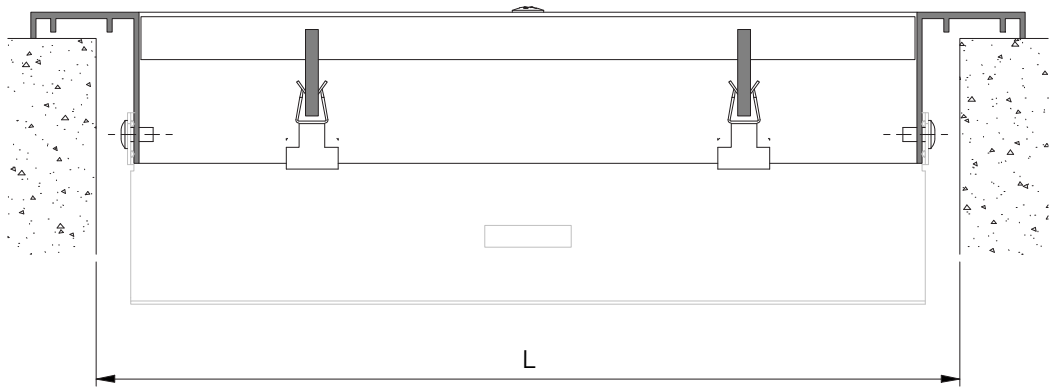
AM600





### LINEAR: END PIECES AND INTERMEDIATE PIECES

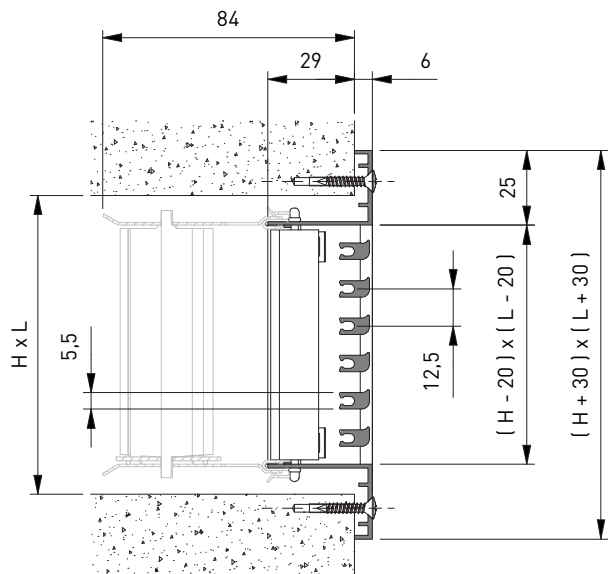
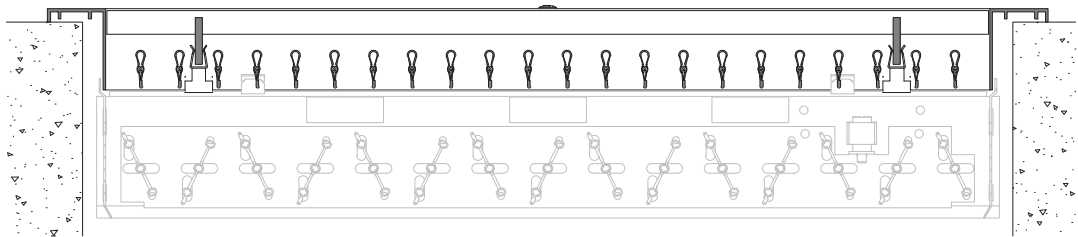




DIMENSIONS

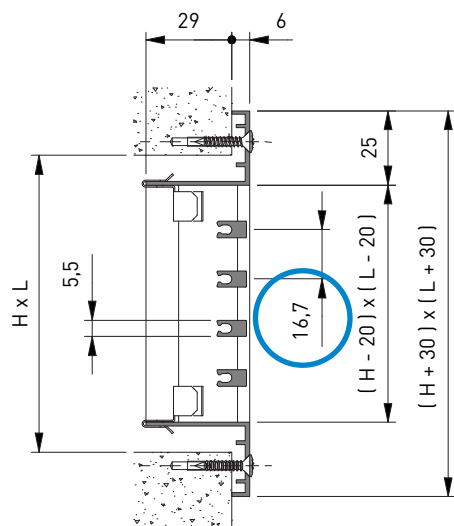
| H    | D  |
|------|----|
| 37.5 | 8  |
| 50   | 20 |
| 62.5 | 33 |

AF637

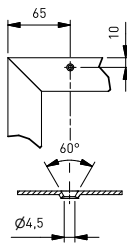


3 BARS PER 50MM (STEP 16 2/3MM)

AF640

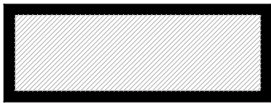


SCREW HOLE LOCATION IN THE FRAME

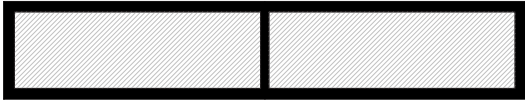


|            | Nom.L 150 | 525 | 1025 | 1500 | 2000 |
|------------|-----------|-----|------|------|------|
| Nom. H 150 |           |     |      |      |      |
| 525        |           |     |      |      |      |
| 1000       |           |     |      |      |      |

MULLION LOCATION



Nom. L ≤ 625



650 ≤ Nom. L ≤ 1250



1275 ≤ Nom. L ≤ 2000