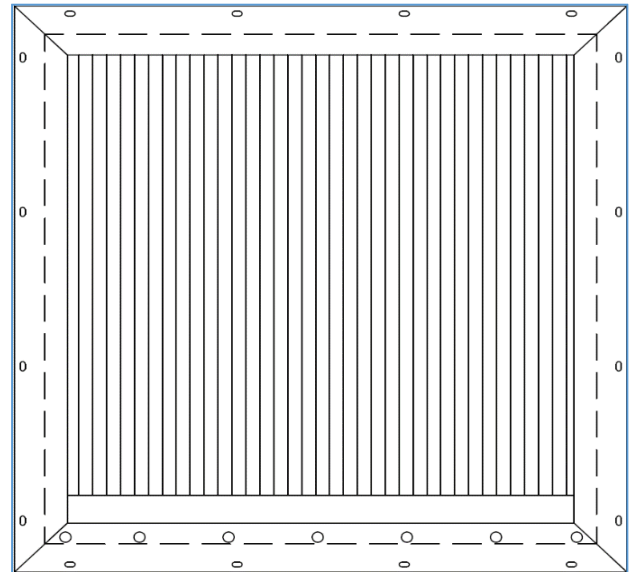


## Installation instructions for burglary-proof air intake

This procedure includes requirements for the installation of burglary proof air intakes as a prerequisite for the issuance of our Production Certificate:

- **Wide ME/SP/SP-E NS  
EN 1627:2021 RC3**
- **Wide ME/SP/SP-E NS  
EN 1627:2021 RC4**



A Wide air intake panel consists of vertical vanes mounted with a fixed distance in a frame that encloses the entire panel. The frame is always made with a flange for mounting, and the flange can be on the upstream or downstream side, so that panels are mounted either recessed - FLUSH - or surface-mounted - NOSE -.

The lower part of the panel has an integrated drip tray for drops which are collected by the vanes and led down into the drip tray. The water is drained from the drip tray in a row of holes on the upstream side, ie out of the building. Alternatively, the panel can be made with drainage pipes for connection to drainage pipes and water traps. For Wide SP-E with integrated heating cable for snow and frost protection, the panel is always made with a drain tubes, where the end of the heating cable protrudes from the drain tube. When this tube is fitted for drainage into the building, it must be connected to frost-proof drainage with a water trap. Any pipes and water traps are not part of the delivery from Wide.

### Certified solution requires validation



All details regarding construction, materials, profiles and the actual production are carried out in accordance with requirements set by an accredited third party, SBSC.

Wide Industrier is evaluated with periodic inspections to ensure that all prerequisites for the certification are maintained.

All products to be certified must follow this process from the tender phase and through the project of production and installation.

### Important points for mounting, generally for air intake:

- ALWAYS start by studying the DRAWING that is always added by Wide.
- Find AIR DIRECTION ARROW, and check arrow on louver with arrow on drawing, and mounting direction: Recessed mounting for «FLUSH» mounting, and surface mounting for «NOSE» mounting.
- Drip tray must always be the lower side. This means that the row of holes for drainage or the tube for drainage must be the lower side.
- Flange is sealed to a wall or duct with a neoprene/EPDM gasket or suitable sealant. Make sure that the seal is placed on the flange and clamped in between during assembly. At the upper flange, an extra joint with sealing compound is laid after installation to seal against any water that may run down the wall.
- For uneven or porous surfaces (eg concrete wall), the gasket and seal must be sufficient to cover all irregularities to prevent water from being sucked into the air intake under flanges.
- Any drainage is pushed into the building, connected for drainage with a water trap to the drain. For panels with integrated heating cable, the connected drain must also be frost-proof.
- Any electrical connection is designed and connected in accordance with the drawing with detailed documentation and wiring diagram for the air intake.

### SPECIAL requirements for burglary proof air intake:

- The installation instructions presuppose that the wall surface to which the air intake is to be mounted, and the hole in which the air intake is to be mounted, is solidly made of suitable materials to ensure the desired resistance class.
- All parts of the wall element that the fastening bolts pass through must have sufficient compression resistance so that the bolt cannot be stretched and cut off.
- For certified mounting, the air intake must be mounted with bolts with locking head according to DIN603, which is made with a smooth oval head, and locked with a square body against the flange.
- The number of bolts should cover the number of holes indicated on the Wide drawing. (All holes in the flange for mounting must have bolts)
- Material for certified installation must be bolt A4 stainless steel. Strength class minimum 7.8 Rm 700 N / mm<sup>2</sup>, ie A4-70.



## PRE-QUALIFIED mounting for Resistance Class RC3 and RC4:

The louvers is delivered with hole pattern for bolt DIN603 M8 finished machined from Wide, according to the following guidelines:

Hole division is standard 300 mm, WITHOUT holes in corners. Can not be increased above 300, but can be made smaller.

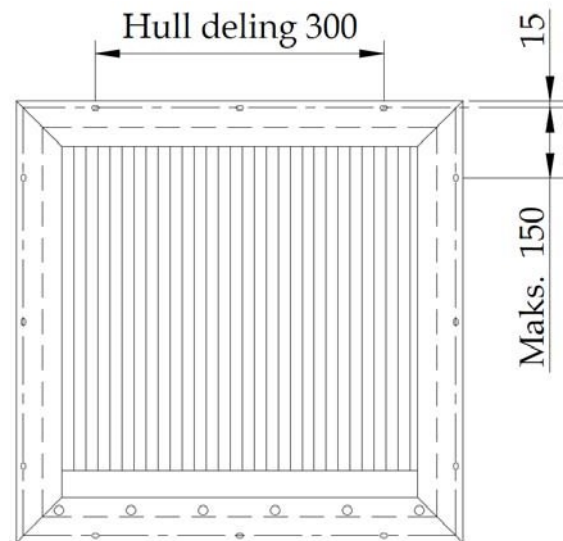
Distance to corners: Max 150 mm distance from flange edge to hole center: min. 15 mm

Hole size: Long hole  $\varnothing 9 \times 15$  for locking the locking head

The number of bolts is a minimum of 2 per side, a minimum of a total of 8 pcs.

Standard flange width 55 mm can be reduced down to 40 mm

Alternatively frame profiles with flange 6x60 and 8x85

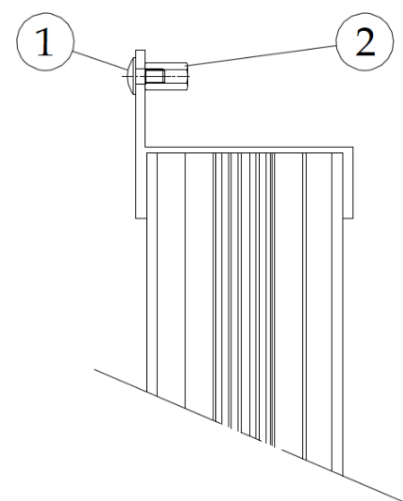


Mounting material supplied by Wide, ref sketch:

- Pos. 1: Locking head bolt DIN 603 A4-70 M8x16
- Pos. 2: Joint nut DIN 6334 El. Z M8
- Neoprene/EPDM gasket 5x50

Gasket is mounted on flange.

Locking head bolt and Joint nut mounted as shown.



Wall mounting, performed by customer:

The following material is kept by the customer:

Threaded rod M8 min quality 4.6, length as required

Large washer DIN 9021 M8 Ø24

Nut M8

Holes in the wall must be  $\varnothing 16$ . Can be continuous, possibly just deep enough to make room for the joint nut.

