

## Aluminium Fast Action Roller Shutter

The high-speed roller door combines the advantages of an aluminium roller door with those of PVC high-speed roller door. It is a complete outer door, resistant to wind and weather, with burglary protection and excellent insulation. The Novo-Speed ALU opens at a speed normally only reached by a PVC high-speed roller door.

### What advantages does the Novo-Speed Alu' offer?

- Cost saving because only one door is needed to close off a gable limited built-in space
- Solid and self-bearing side guide-rails
- Door runs smoothly and quickly due to frequency control
- Minimum energy and heat loss thanks to fast opening and closing strong maintenance-free draw spring, integrated in the side rails problem-free exchangeable in the individual shutters
- High wind-resistance in accordance to EN 12444, class 3!
- Air permeability in accordance to NEN 12425, class 5!
- Low maintenance costs because of simple construction (easy access to all moving parts through removable guide flaps)
- High degree of safety through integrated photocell and contact strip available in almost all RAL colours
- Viewing holes or ventilation shutters can be built-in

### Roller door construction

- The side rails are made from galvanized sheet steel
- The side rails are easily assembled
- Also available in stainless steel for the food industry
- The roller door is driven directly by a geared electro-motor
- The drive is scarcely loaded thanks to the integrated draw springs side rails which balance the weight of the door.

### Door shutters/door tension

The door shutters are made from extended aluminium and are provided with plastic guide pieces on both ends. A special rubber profile is slid between the shutters to deaden the sound of opening and shutting.

Furthermore the integrated draw springs keep the roller door shutters under tension. Through this unique combination the usual "roller door noises" have almost disappeared.

### Operation

The frequency regulated operation enables a soft-start and soft-stop. The opening and closing times of the door can be programmed a wished by means of the frequency converter.

The operation offers the opportunity for a lock function, connecting the traffic lights or connecting to neighbouring installations and controls. The operating status or any breakdown reports can be found on the door of the switch box.

### Manual operation

- The door can be opened with an emergency handle when there is a power cut
- An emergency release on inside of the door is an option
- The door has been built in accordance to EN 13241-1 and equipped with an electronic safety contract strip and safety photo cell
- Local circumstances may require extra safety features that go further than is legally prescribed such as: light curtains, induction loops, radar, vertically adjustable photocells, warning flashing lights, traffic light installation and other safety elements. These can all be connected without problem.



### Options

- Emergency release on inside of door
- Light curtain
- Cover over the drive
- Cover over the roller
- Cover over the roller and the drive
- Side rails painted in RAL colour of choice operations by means of push button, pull switch, photocell, radar, induction loop or radio-graphic remote control
- Interim stop
- Lock operation in combination with second door
- Connection to a traffic light installation

### Your advantage

The investment pays for itself quickly:

- The quick opening of the door saves time and decreases the energy costs for heating and/or cooling
- Your employees are less frequently ill because of the improved climatic working conditions
- The operating costs of the door are minimal because the burden to the drive is reduced by the balancing of the door weight.

### Technical details

- Clearance width...1500 to max 8000mm
- Clearance height...20000 to max 8000mm
- Side space at drive...min 400mm (depending on size)
- Side space at non-drive side...min 250mm
- Top space...at least 650 to 900mm (depending on size)
- Opening speed...to 2m/sec
- Closing speed...approx 0.7m/sec
- Supply (to 5000x5000mm)...230V/50Hz/8A/1,1kW
- Supply (to 8000x8000mm)...400V/50Hz/1A/2,2kW
- Operating tension...24 volt
- Protection class of electrical part...IP54
- Drive side...standard right, choice on left
- Rail cover... counter sunk

For further information on this product, please contact Zenith.