



Rolling doors

A quality product from Ferdinand Braselmann GmbH & Co KG





Rolling doors

Maximum stability – robust, space-saving design
Flawless control and drive technology – perfect, precise operation

The Alpha industrial rolling door by Ferdinand Braselmann can be precisely and consistently customised for a wide range of users. When the time comes to invest in new doors, especially where space is tight and access is difficult, rolling doors are an excellent choice.

Rolling doors:

- Traditional yet modern;
- Robust and cost-effective;
- Provide thermal protection;
- Provide noise protection.

Alpha rolling doors from Ferdinand Braselmann work perfectly with Alpha sectional doors, because they use the same Alpha-specific microprofiling and the same control technology.

Continuously galvanised, extra-strong steel can be used for stability and safety. For low weight and corrosion resistance, aluminium is a good choice. Other options include:

- Slats with transparent sections
- RAL colours, using a range of coil coating or wet paint systems
- High motor speeds with inverter technology

Ferdinand Braselmann has more than 75 years of experience in metal sections, and pioneered rolling door technology with the invention of the double-walled rolling door section in 1960. Even today, cutting-edge technology and the highest quality mean Braselmann rolling doors are still the right choice.





High-tech production and processing methods

Durable and effective solutions

For many years we have been actively engaged in the development and production of industrial door systems that have truly set the standard in terms of design and functionality. In our ultramodern production process, individual components are produced and assembled on an order-specific basis. The necessary parts are made using dedicated machine tools operated by

specialist suppliers. IT systems coordinate the production process, ensuring that all components arrive at the designated storage location at the same time, ready to be packed for dispatch.

We provide comprehensive documentation to support your sales activities.





A door for every opening



RPU20-95 galvanised steel

Application

- Universally deployable industrial rolling doors up to size W 8000 mm x H 5800 mm.
- High stability yet lightweight – about 10 kg/m².
- Economical to maintain and extremely easy to repair.



RPU20-95 aluminium

Application

- Aluminium offers improved corrosion-resistance compared to steel, and is even more lightweight, around 4.9 kg/m².
- The maximum size is W 5000 mm or H 5250 mm .



RPU20-95 galvanised steel high-speed door

Application

- By using inverter technology for the drive, steel rolling doors up to W 6000 mm or H 5800 mm can be operated with an average opening speed of up to 0.6 m/s, making them an economical alternative to high-speed flexible curtain doors.

Development – Testing – Certification

More than 75 years of experience manufacturing
rolling door sections



The design and manufacture of the machine tools takes place in-house, ensuring that the sections have the highest precision and quality. It goes without saying that all sections undergo intensive durability and safety testing in our own test rig, and they meet the requirements of EN 13241-1 in external testing.

The stability of the rolling door sections under wind load is determined by our own computer program, developed in conjunction with RTWH Aachen University and certified by TÜV Essen.

TÜV Essen has also issued the following test certificates for the galvanized door fronts:

- Measurement of sound insulation to DIN ISO 140-3: 27 dB
- Heat transmission to DIN EN 13241-1 appendix B: 3.47 W/m²K

Naturally, all other components like the safety catch, optical sensor and light barrier meet the highest quality and safety standards, and have the necessary test certificates and approvals.









Door structure

Alpha industrial rolling doors from Ferdinand Braselmann are constructed from a small number of manageable components, which makes the assembly process fast and very economical. In particular, any repairs that become necessary will not break the bank.

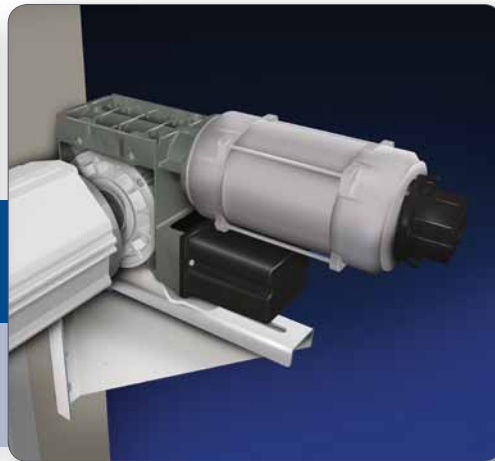
The two brackets for the motor drive and the pedestal bearing are sized according to the weight of the rolling door and undergo testing according to the laws of statics.

Statics is also used to determine the diameter of the shaft on the basis of the width and weight of the door front. The circular pieces (two on each side) are expertly welded to the shaft pins.

The galvanised steel guide rails have an integrated support, which can be enlarged with an extra rectangular section. The pre-drilled fixing holes are closed with sealing caps. The stability of the guide rails can be further increased with reinforcement brackets. Adhesive edgings are used to reduce noise and wear to the rolling door slats.

The stability of the rolling door under wind load is verified by a TÜV-certified program. In the drop zone, the door front has a special section to hold an EPDM sealing strip. The end pieces of the slats are usually riveted. If the door is 6000 mm or wider, forged and hot-dip galvanised wind hooks are also riveted on. The bottom section is made of extruded aluminium and designed to hold safety strips.

A cover panel can also be made as an optional extra.





Drive

The drive is a slip-on geared motor with integrated safety catch. It is sized according to the dimensions of the door system. The drive can be installed on the right or the left.

Door control

The industrial rolling door has a basic control system configured to press-and-hold to close/press once to open.

The plastic control box has a film keypad with Open-Stop-Close buttons.

A CEE-plug (IP 54) is used to connect the power supply.

Other door control configurations can be selected.

High-speed rolling door

A powerful microprocessor with inverter is available, providing smooth acceleration and soft braking to protect the materials as the door opens and closes. This allows the opening speed to be increased to 0.6 m/s. A stationary light barrier also prevents the door closing if there are people or objects in the way.

Pulse generators

Individual functionality can be further customised with additional safety devices like infrared or radar motion sensors and a wide range of industrial pulse generators (switches, induction loops, radio transmitters).

Safety

Each door can be fitted with an electrically monitored bottom section (safety contact strip or advancing safety light barrier). If the door is less than 2,500 mm in height, an additional safety light barrier or a containment box will be necessary (option).



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