

INDUSTRIAL DOORS



About the company

RIPO International Ltd. was founded in 1993 and was developed from a small office into a sound enterprise with € 8m turnover a year and more than 100 employees. RIPO International is well known as a producer and retailer of various building materials in the Latvian market for almost 15 years. RIPO International produces high quality overhead garage doors for residential and industrial use, as well as sliding gates, roller shutters, insect screens, sand slate for roof covering etc. The Company is also known as a distributor of IKO roofing materials and DERYCK decorative brick tiles. RIPO International is one of the largest and experienced residential and industrial garage doorproducer and installer in Latvia. Amongst our customers are the International Riga Airport, Aviation Base of the Latvian Border Guard, various logistic canters, car dealer centers, retail chain stores etc.



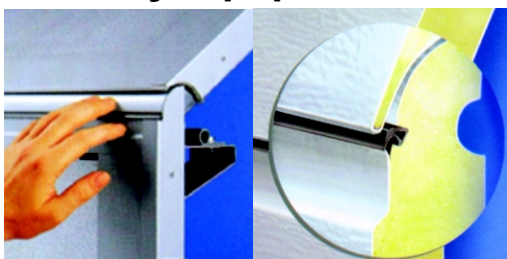


Industrial doors

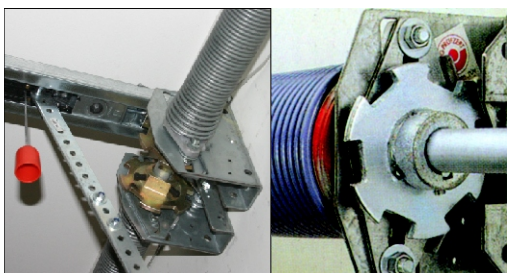
The overhead sectional garage door of industrial significance are primarily to be considered as operated manually or with a chain hoist mechanism. The door can be equipped with electric operators of different intensities. (See "Additional equipment".) The overhead garage door of industrial significance differ from the private sector garage doors with:

- the door plane size parameters - up to 7m in width; up to 10m in height,
- more multiform types of gate lifting systems, which allows to install them in a space of almost any configuration.
- higher allowed load intensity thanks to the increased durability components, and the increased operation cycle of the torsion springs. Number of the cycles starts at 25000.
- the approval of the producer, torsion springs with increased durability are available with high possible number of operation cycles.

Security equipment



Protection from fingers being squeezed between the panels, which is ensured by an articulate construction of the panel connections.

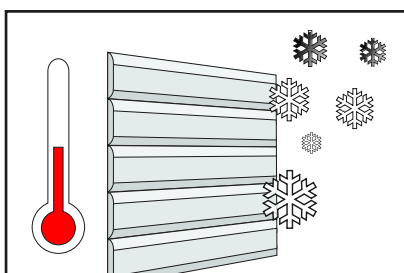


To decrease the chance of falling door in the case of torsion spring breakage, FLEXI-FORCE has developed a spring breakage protection mechanism, which is certified at BG (Berufs Genossenschaft Bauliche Einrichtungen) in Bonn, Germany. Confirmation number 94073 . Tested in TUV (Technische Überwachungs Verein Bayem).

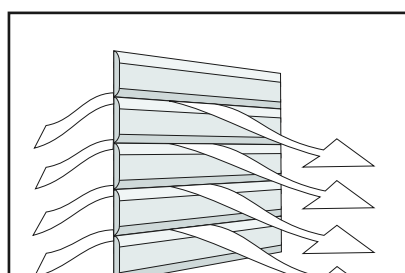


To decrease the chance of the falling door in the case of cable breakage, the gates are equipped with a spring breakage protection mechanism, which is certified at BG (Berufs Genossenschaft Bauliche Einrichtungen) in Bonn, Germany. Confirmation number 94072. Tested in TUV (Technische Überwachungs Verein Bayern). Confirmation Nr. 00023.

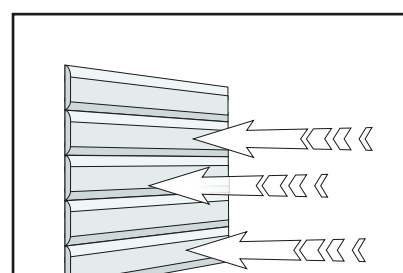
According to the standard for the influence of the atmosphere on the lifting gates:



Thermal resistance
1.68 W/m²K



Air permeability resistance
Class 2



Wind Load Class 5

Gate panel type

- "Ribbed"- An imitation of horizontal boards with a wooden pattern,
- "Glassed" Packages of organic glass in an aluminum profile casing.



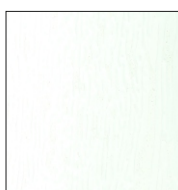
RIBBED



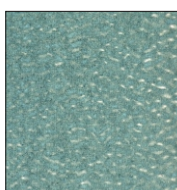
GLASSED



The possible colors



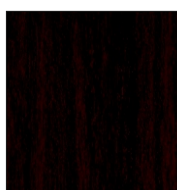
WHITE



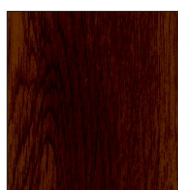
SILVER



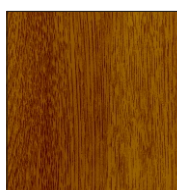
BROWN



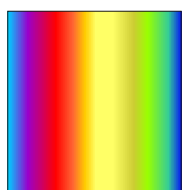
MAHAGONY



ANCIENT OAK



GOLDEN OAK



RAL TONES

Additional equipment

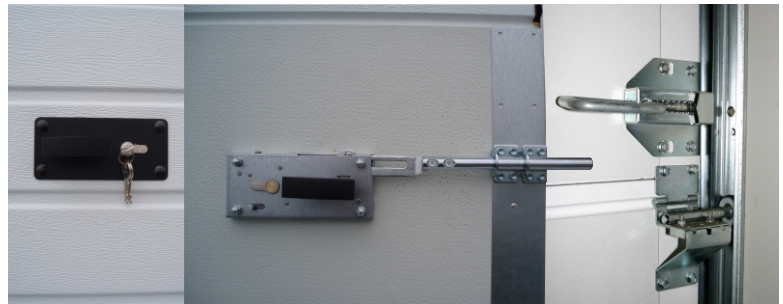
- A rectangular window (680 x 370 mm) with an organic glass package buildable into the door section.
- An oval window (623 x 303mm) with an organic glass package buildable into the door section.
- The door lock - the gate is equipped with it if no automatics are planned. Provides locking of the gates both from the inside and from the outside.
- The service door.



FULLY GLAZED ALUMINIUM SECTION



AN ORGANIC GLASS WINDOW PACKAGE OF A RECTANGULAR OR AN OVAL TYPE BUILDABLE INTO THE DOOR SECTION



GATE KEY FROM THE INSIDE AND THE OUTSIDE



SERVICE DOOR

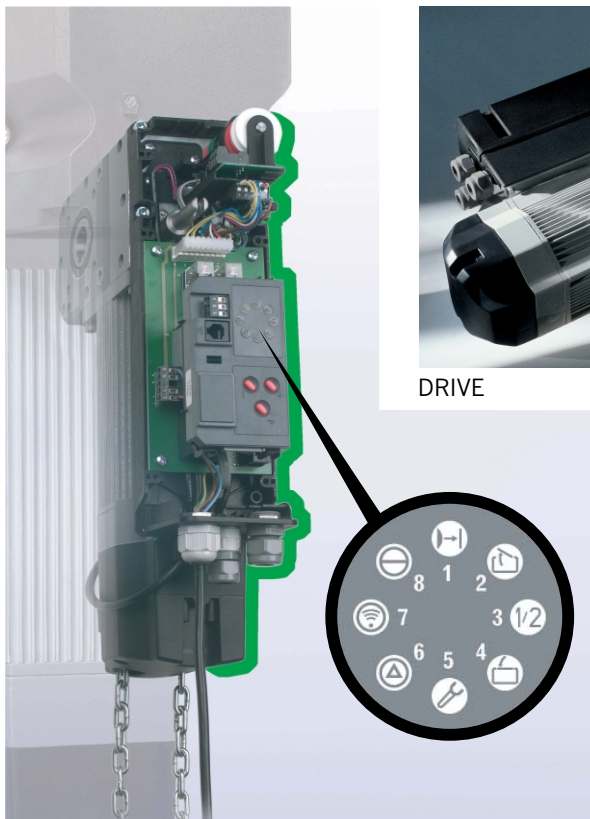


APERTURE FOR VENTILATION

Electric operators

Any industrial door can be equipped with an electric operator for door opening/closing, which, in the original equipment, is operated by the stationary control board at the wall.

- The door operators are used according to the dimensions of the door, balancing it with the power of the operator.
- The door are equipped with the Dynamic operators from German company MARANTEC.
- The operators designed for a very intensive operation are available, as well as for an operation in the conditions of increased humidity
- They are equipped with electronic control of the ending points
- The load change identification for user safety
- Upon the closing and the opening of the door, operator choose the optimal operation power by itself
- The operator closing system in assemblage with an optical sensor in the lower packing rubber and photo safety elements.
- The equipment for door opening from the inside in the case of the electricity outage



DRIVE WITH AN INTEGRATED MANAGEMENT



DRIVE



CONTROL BOARD



REMOTE CONTROL



SIGNAL LAMP



PHOTO ELEMENT

Additional equipment

- A photo element identifies an obstacle in the way of door opening and prevents the door from closing. This equipment allows the setting of automatic closing function of the gate.
- remote control system for use of the gates with a remote control.
- Traffic lights for traffic organization
- A code key - permits the use of the door only to persons with an access code.
- A wall switch with a security key allows locking of the gate against unsanctioned use.
- The service door closing sensor will prevent initiating of the door lifting, if the service door installed with it will not be closed.
- The sensor of the torsion spring breakage stops the operator in the case of a torsion spring breakage.
- The sensor of the chain breakage stops the operator in the case of a chain breakage.

Other solutions

We also offer loading systems for warehouses, which we will also deliver and install. In supply there are solutions intended for warehouses both with a loading ramp and without it.

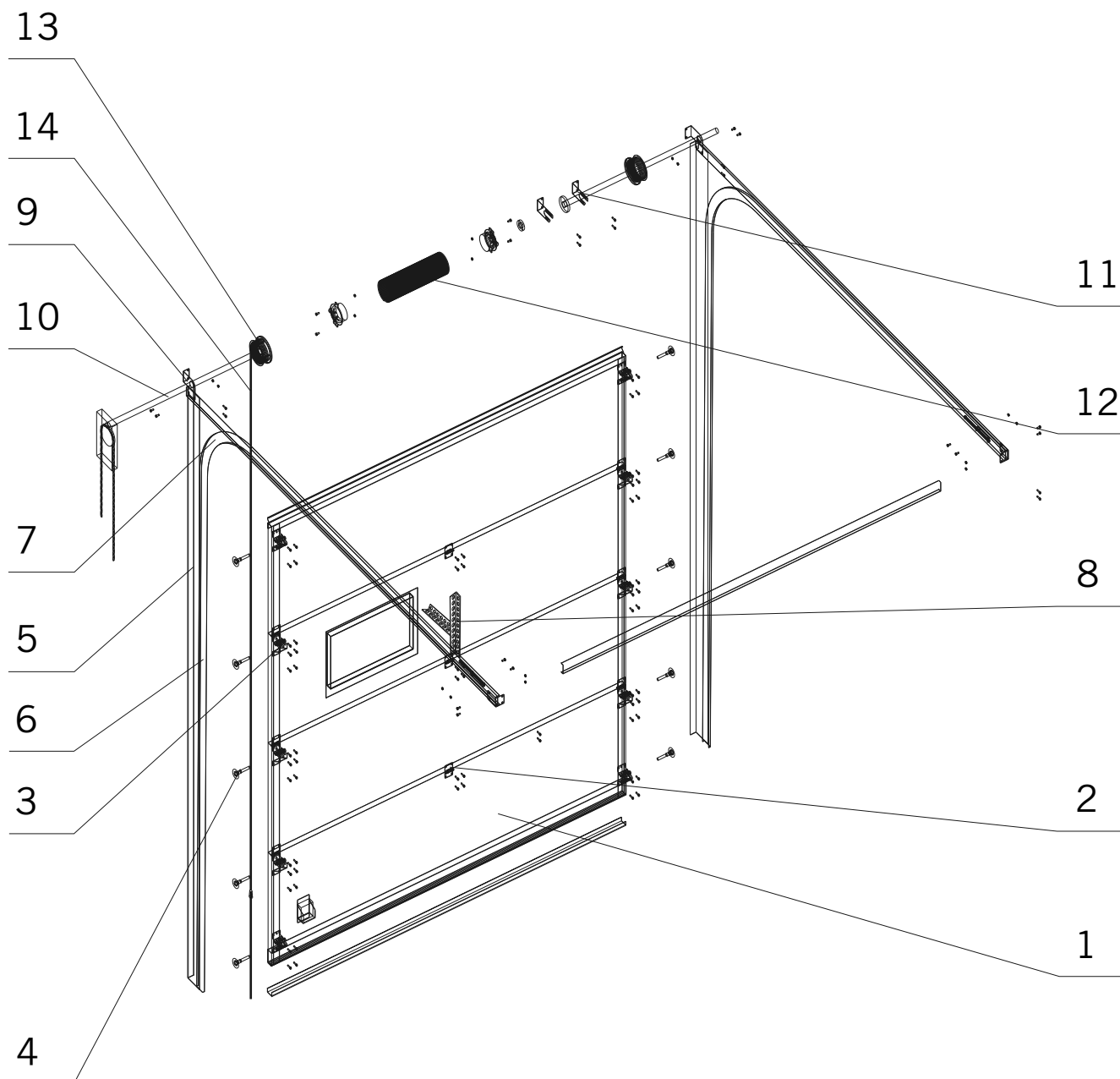


In cooperation with one of the leading European producers of the giant non-standard doors, we can equip giant non-standard buildings with the overhead door, such as airplane hangars, boat docks etc.



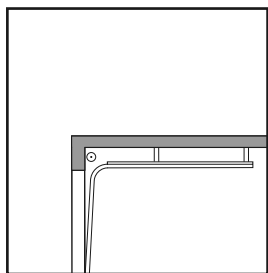
Technical information

A door consists of (see drawing No.1) panels (1.), which are connected together by the middle hinges (2.) and the ending hinges (3.) with the rollers (4.). Wall angles (5.) with the verticals tracks (6.) are secured to the wall. The horizontal tracks with the radiuses (7.) are secured to the ceiling with the hangers (8.) Easy operation of the gates is provided by the lifting mechanism, which consists of bearing plates (9.), a spring bar (10.), center plates (11.), torsion springs (12.), cable drums (13.) and cables (14.). The door are sealed along the whole perimeter of the plane.

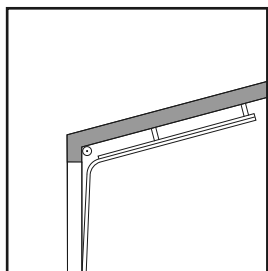


The door are being equipped in accordance with the door opening dimensions and the height from bottom of the opening to the ceiling. This height determines the type of the gate lifting system.

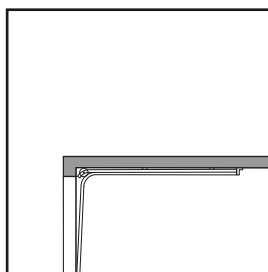
Lifting systems



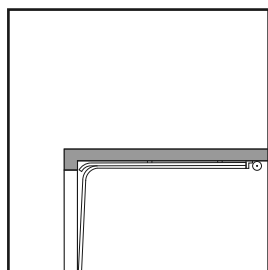
STANDARD LIFT (ST) The standard lifting are used in the spaces, in which the distance from top of the opening to the ceiling is within the range of 380mm to 510mm.



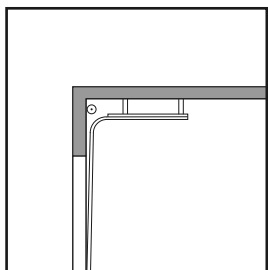
STANDARD INCLINED LIFT. The standard lifting are used in the spaces, in which the distance from top of the opening to the ceiling is within the range of 380mm to 510mm. So that the door can be lifted along the incline of the roof.



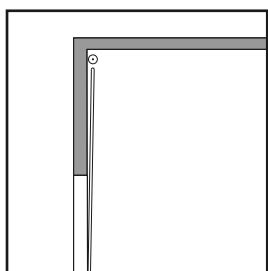
LOW LIFT with a spring block at front. (ZPP) Installed in the spaces, in which the distance from top of the opening to the ceiling is within the range of 230mm to 380mm.



LOW LIFT with a spring block at the back. (ZPA) Installed in the spaces, in which the distance from top of the opening to the ceiling is within the range of 180mm to 230mm.



HIGH LIFT. (HL) Used in the spaces, in which the distance from top of the opening to the ceiling exceeds 510mm, but does not exceed the height of the door opening.



VERTICAL LIFFT. (VL) Installed in spaces, in which the distance from top of the opening To the ceiling, exceeds the height of the opening by at least 250mm.

