HANGAR DOOR barduva

BARDUVA HANGAR DOORS

HOIST-UP FABRIC DOORS

FABRIC DOOR DESCRIPTION

DESCRIPTION

Hoist-up fabric doors – doors of virtually unlimited size. Because of the light weight and design simplicity, they are assembled very quickly and easily. Each fabric door is designed to meet specific project requirements. Our skilled engineers will design doors to fulfill specific customer requirements, and calculate the wind loads for this design. Our doors do not occupy a lot of usable space. Unlike other manufacturers, Barduva fabric doors do not need much space at the top of the building, so you do not lose headroom. Because of the particular and well-thought-out design, the door folds compactly when raised. Since you lose no headroom, it means smaller building construction costs! Doors can close very big openings, but are very light, so the building will receive minimum loads. In some cases, we recommend the division of a large opening into several smaller ones, using a movable pylons system. This system for your building may be more effective than a single large leaf frame. With a high speed requirement, the doors can be designed so that the gate would work at higher speeds. This would improve the speed of traffic flow and reduce energy consumption. Fabric doors are made of aluminium and PVC sheet and are very light, but perfectly suitable for use in aggressive, corrosive atmosphere and extreme weather conditions. These doors fit tightly on both sides of the frame and lower beam, are impervious to dust, sand and resistant to wind loads.

With the developments in new technologies and agricultural machinery, bigger and bigger storage buildings are constructed, such as hangars, which need entry-exit gates to be closed, and to protect property from the weather conditions. Whatever that is, hangars for industry, buildings for agricultural machinery or any other commercial project – the decision is clear – HOIST-UP FABRIC HANGAR DOOR.

Doors are made of aluminium, and PVC fabric tent are very lightweight, but perfectly suitable for use in aggressive, corrosive environment and extreme weather conditions. These doors are resistant to wind, salt and temperature changes, as well as protection from sand and dust, mould and rot.

TECHNICAL INFORMATION

Fabric doors consists of such basic structural and functional components:

Frame thickness – 185, 295 or 575 mm.
Suspension components – Steel cables or lifting belts.

Gate Material:

high resistance polyester fabric coated with PVC.
Sheet materials – polyester H5551 HEYTex. (Materials in accordance with DIN 75200 standard)
Flame braking – max. 100 mm / min. (ISO 3795).
Resistance to tear lengthwise/crosswise – 500/500 N. (DIN 53363).
Temperature resistance -30 ° C / 70 ° C. (DIN EN 1876-1).
Resistant to UV rays, mold or rotting.
Resistant to icing and building construction deformations.

Bottom profile:

Galvanized steel profiles (colored) with (EPDM) sealing.
Side guide rails: aluminum profiles.

Steel cables:

diameter 6 – 8 – 10 mm.

Lifting belts:

width 60 – 90 – 120 mm.
Velocity: 0.2 meters per second.

Control unit:

Digital control panel, the voltage of 3 x 400 V / N / PE, control voltage 24V DC.
Standard controls: 3 buttons control unit (open – stop – close).
The lift cycle counter.
Manual controls in case of emergency.

Standard safety devices:

Safety switch for each cable, engine is fitted with built-in brakes.
Protection against finger crushing from the inside and outside.
Protection from falling gate in case of ruptured belt.

FABRIC DOOR WITH CABLE GEAR (185 and 295 profile)

The rope cable doors lifting system differs from belt-operated doors in that the lower beam is lighter. Instead of the two sides of the belt, these gates operated by cables with a pitch of about 2 meters. This allows almost unlimited gate gauges. In addition, the cables are equally distributed over the entire width of the door, not just the edges, it ensures a smooth operation and minimizes the force load of the building.

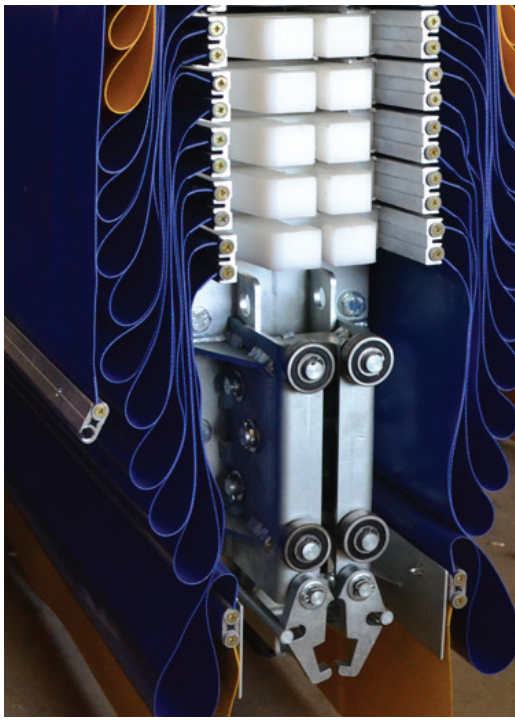
With each rope cable a dual cable control sensor is installed so that in case of an emergency, rupture or loosening of one of the cables, the door is stopped. Cables are rolled in and rolled out by the drums.

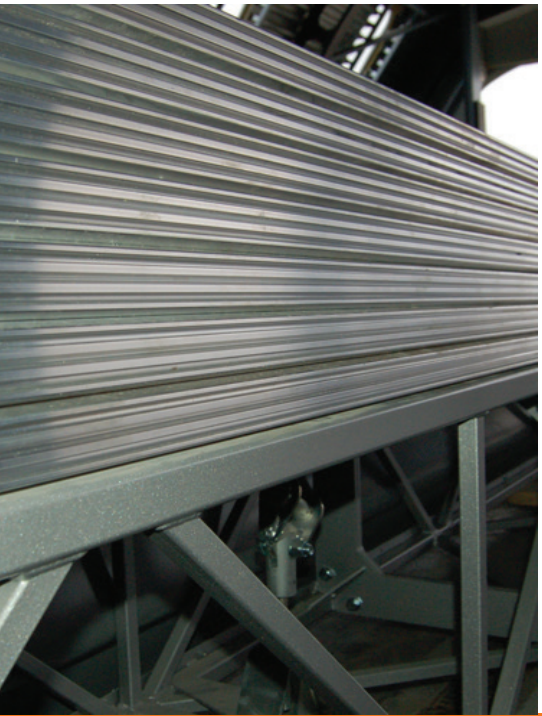
Unlimited numbers of motors depend on the building design and dimensions. In very large sizes, the gate can be divided into several segments, assembling the mullion system.

FABRIC DOOR WITH BELT GEAR (185 and 295 profile)

The belt hangar door system is controlled by two straps from the sides of the structure. Belts are coupled to the lower beam, the motor rotates the drum, which winds the belt, and lift the doors. When the drum belts are rolled out, the doors are lowered. These doors have a safety brake, which has two functions: The rupture of one of the belts will stop the movement of the whole structure. After closing the doors, the safety brake blocks movement of the doors – wind lock.

Belts are durable and resistant to corrosion. Control motors can be one or two, depending on the construction design and dimensions. In very large gauges, the gate can be divided into several segments, assembling mullion system. Fully adjustable side belt pulleys will help prevent wear and ensure safe operation of the hangar door. The motor has electromagnetic protection that activates with an unexpected increase in the rate of descent and the system completely stops.





FABRIC DOOR WITH BELT/CABLE GEAR (575 profile)

The belt/cable doors lifting system differs from belt-operated doors in that the lower beam is bigger. Instead of the two sides of the belt. These gates operated by blrt/cables with a pitch of about 3.5 meters. This allows almost unlimited gate gauges. In addition, the belts/cables are equally distributed over the entire width of the door, not just the edges, it ensures a smooth operation and minimizes the force load of the building. Also thease gates mounted with our new type of profile - 575mm width.

With each belt/cable a dual cable control sensor is installed so that in case of an emergency, rupture or loosening of one of the cables, the door is stopped. Belts/cables are rolled in and rolled out by the drums.

Unlimited numbers of motors depend on the building design and dimensions. In very large sizes, the gate can be divided into several segments, assembling the mullion system.

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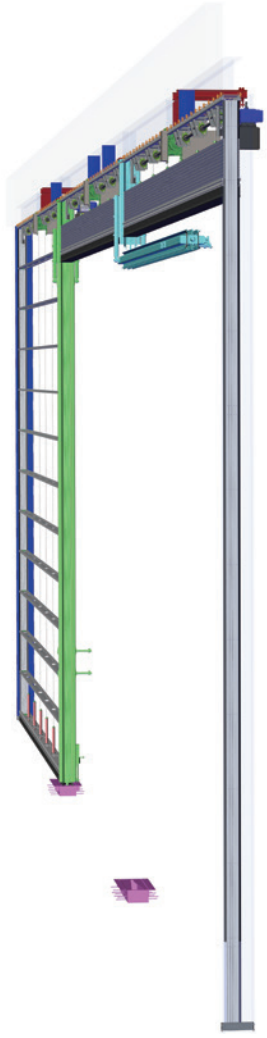
BARDUVA WAS FOUNDED IN 1996. COMPANY'S MAIN ACTIVITY IS THE PRODUCTION OF HANGAR DOORS. CONTINUOUS IMPROVEMENT, PRODUCTION CAPACITY EXPANSIONS, MODERN TECHNOLOGY AND SKILLED WORKERS EFFORTS PROVIDES AN OPPORTUNITY TO INTRODUCE OUR PRODUCT – HANGAR DOOR.

BELT GEAR DOORS



CABLE GEAR DOORS (WITH MULLIONS)

BELT/CABLE GEAR DOORS

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