

Automatically controlled movement **MCA**

The name of MCA has gathered over 13 years of experience, 90 persons involved in the production and distribution activities and the continuous desire of improvement.

The product offer is improved and extended with assembly services, technical support and specialized service.

The development strategy is directed towards establishing partnerships with the architecture bureaus, construction companies and entrepreneurs.

The products that we can provide in a high quality condition, good prices and with short delivery term are:

- Sectional and roller garage doors
- Industrial sectional doors
- Dock levellers and dock seals
- Fireproof doors and industrial roller shutters
- Automation systems for gates
- Window roller shutters
- Insect nets.

MCA Professional Solutions For Closing Spaces



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SECTIONAL GARAGE DOORS - OPTIMA



Features

Safety usage is provided through finger protection panels, safety device in case of spring failure, photocells and operator with load protection. When any obstruction is detected in the automated version of the drive.

The materials used to produce sectional garage doors are of the highest quality: sandwich type panels are made from galvanized steel plates painted in electrostatic field, galvanized steel sheet sliding rails and accessories, stainless steel sliding rollers, EPDM gasket, and extruded aluminum profiles.

Good insulation is ensured by 40 mm thick panels with high density polyurethane foam (thermal coefficient 0.49 watt/sqm 1) and EPDM gaskets on the entire outline of the door as well as between panels, resulting a thermal transfer coefficient for the installed door of 0.9 watt/sqm. *K.

Optionally, the garage door can be equipped with windows, ventilation grills, built in access door, blocking or unblocking exterior locks (for the electrical driven doors).

The design of the panels can be with "lines" or with "cassette". The standard colors are white, brown, golden oak and oak imitation (any RAL color can be provided upon request).

The door can be operated manually, very easy due to the torsion spring system, or automatic through an operator with a remote control and the possibility of emergency release in case of power failure.

Delivery is made from stock or within 30 days for special orders.

Benefits

MCA garage doors comply with the European standards of quality and reliability.

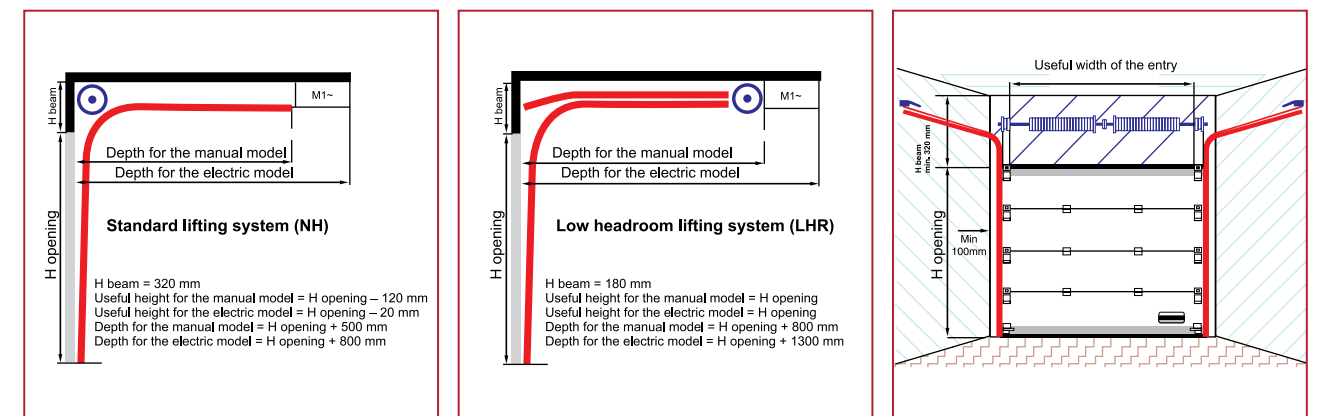
The main principles we set forth is **the diversity** of the technical and esthetical solutions, maximum adaptability to the assembly conditions and custom fitting and sizing of each door, more colors and patterns for the integration into any architectural design.



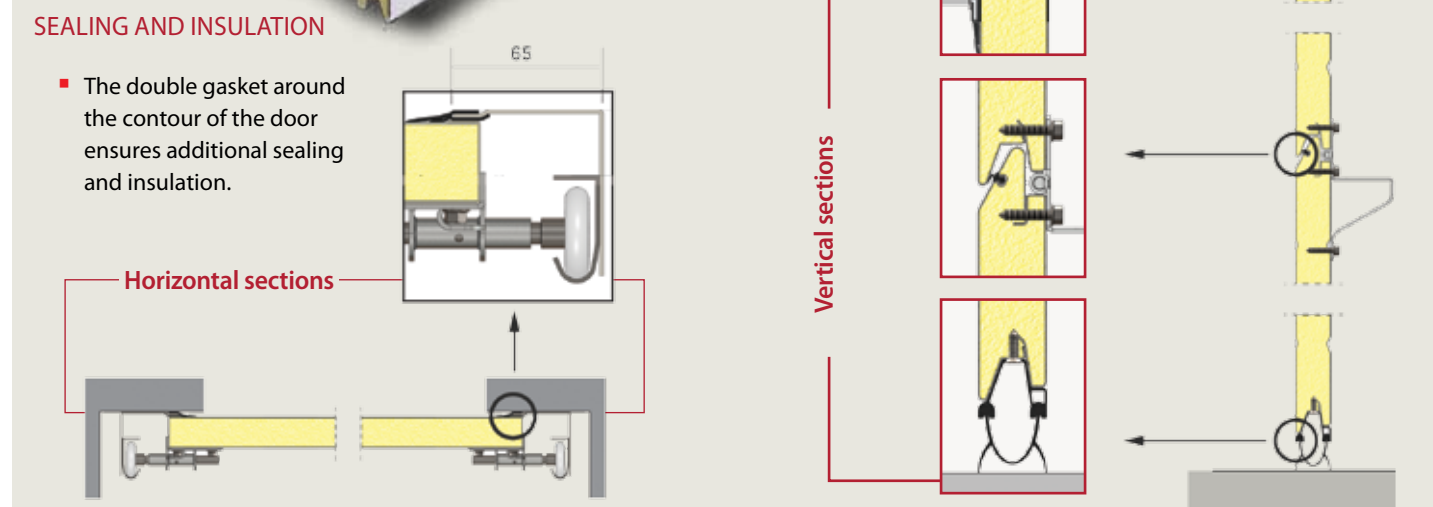
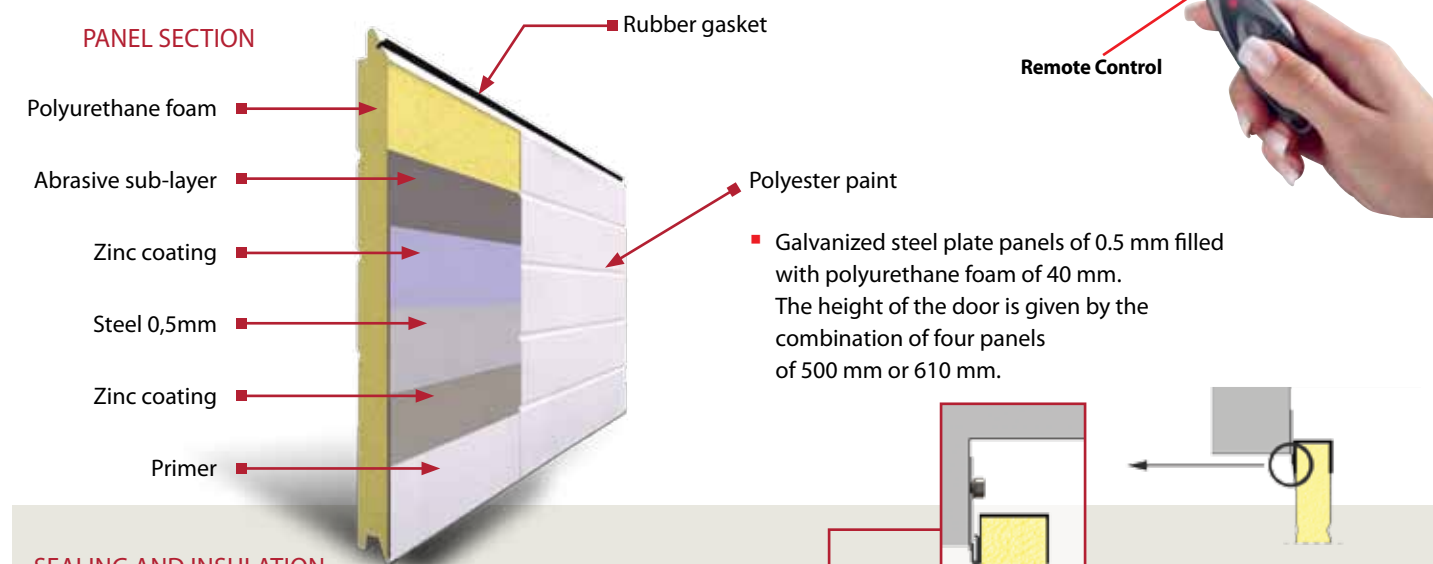
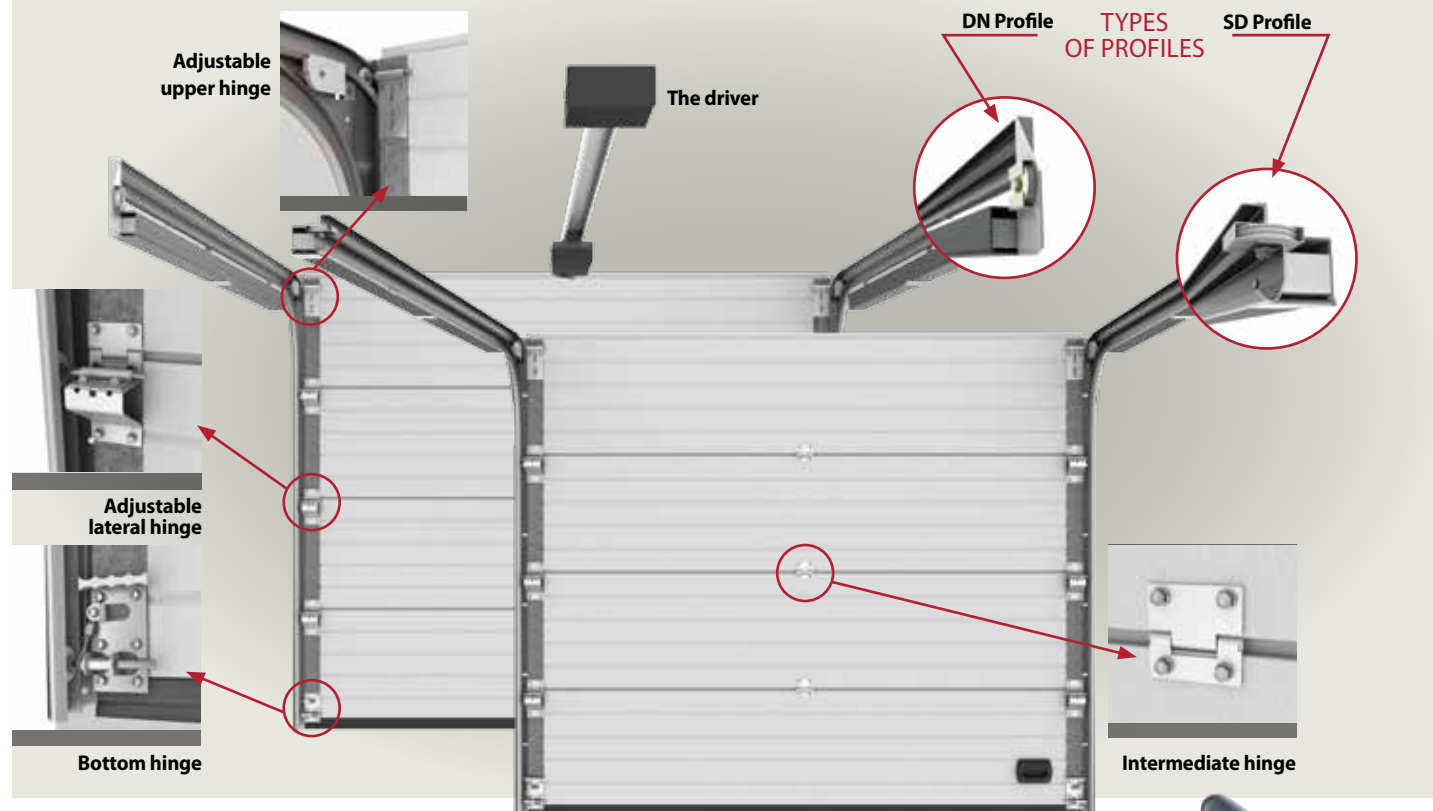
MCA sectional garage doors are certified by TUV NORD CERT



Constructive versions



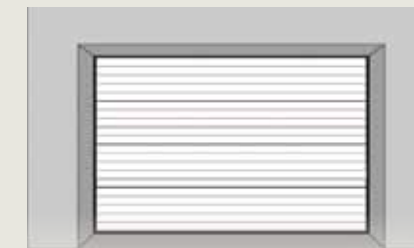
SECTIONAL GARAGE DOORS - BENEFIT



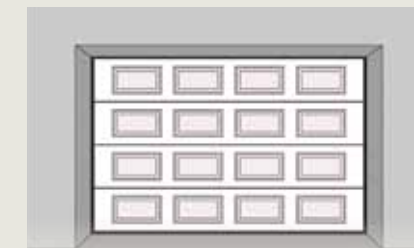
Sectional Door Types

EXTERIOR DESIGN

Sectional door panels models



Horizontal lines model (LN)



Cassette model (CS)



Flush



MidRib



Rib



Cassette

WICKET DOOR

Quick pedestrian access



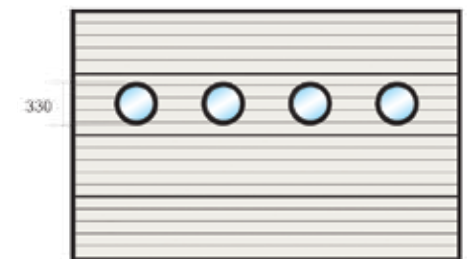
The access to the garage can be done through the wicket door as well, which is fitted in the overall design of the sectional door.

The wicket door is supplied with a damper which ensures its closing in order to avoid any damage.

The door frame and handles are made of anodized aluminum, aesthetic and corrosion resistant.

WINDOWS

Types of built-in windows



COLOR PALETTE

Interior color of the panels is always White RAL 9002



INDUSTRIAL SECTIONAL DOORS



Features

The materials used to produce the MCA industrial sectional doors meet the highest quality: sandwich panels made of galvanized steel sheets and painted in electrostatic field, sliding guides and accessories made of galvanized steel sheets, sliding rollers made of stainless steel, EPDM gaskets, extruded aluminum profiles.

Good insulation is ensured by 40 mm thick panels with high density polyurethane foam (thermal coefficient 0.49 watt/sqm *K) and the EPDM gaskets on the entire outline of the door as well as between panels, resulting in a thermal transfer coefficient for the installed door of 0.9 watt/sqm *K.

The door may be manually operated, with help of a mechanic reducer with chain, gear ratio 1/4, or automated, with motor with control board and the possibility of emergency manual drive.

Special elements are used for protection: safety device for the unlikely case of spring failure, safety device in case of cables failure. The automated model has the following safety elements: photocells, operator with load protection against obstacles or pressure sensor in the lower gasket.

Optionally the industrial sectional door can be equipped with windows, ventilation grids, built-in access doors, blocking lock and sliding system with partial or total lift, vertical or following the roof, extruded aluminum panels with acrylic transparent single or double windows.

The standard colors of the doors are white, silver or blue and any color can be provided upon request. The model of the panels is with "lines".

Delivery from stock or within 30 days for special orders.

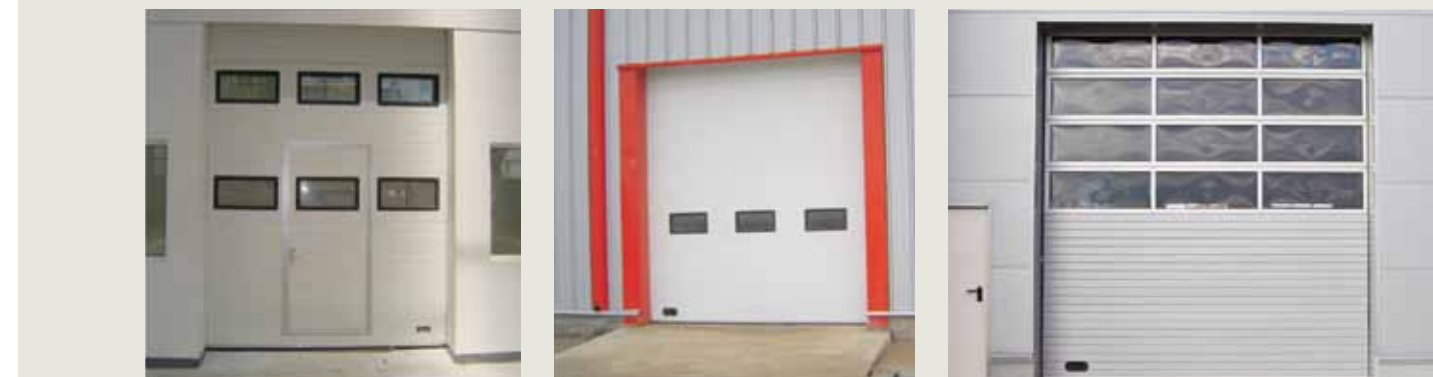
Benefits

Industrial sectional doors are closing solutions for large industrial spaces (up to 8000 mm wide and 6710 mm tall) and specific building situations.

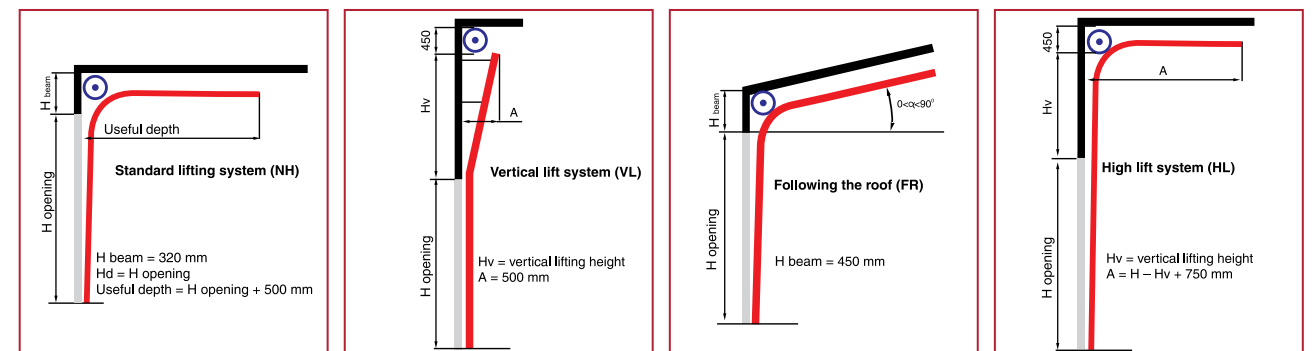
The custom sizing of each door allows a wide range of technical applications in conditions of intensive use. Like the garage doors, the industrial sectional doors comply with the European standards of quality and reliability.



MCA industrial sectional garage doors are certified by TÜV NORD CERT.



Constructive versions



INDUSTRIAL CLOSING SYSTEMS



INDUSTRIAL ROLLER SHUTTERS

They are used for the subdivision of spaces with temperature differences or to protect against dust, drops, sparks or noise.

The materials used for the production of industrial roller shutters are 2, 3, 5, or 6 mm thick sheets, made of transparent PVC, and galvanized steel fixing accessories. The width of the sheets may be of 200, 300 or 400 mm, and according to the need, their overlapping surface may be up to 100%.

DOCK LEVELLERS

They are moving platforms which equalize the differences of height and depth between the storage facility and the vehicle, facilitating the loading/unloading process. Hydraulically driven with a control panel, they have a loading capacity of up to 6 tons, with a height variation of +/-312 mm.

Standard execution sizes (width x length x height) are 2150/2595/600 mm and 2150/3095/600 mm. The standard color is blue and any color or hot dip galvanizing on request. The dock levellers can be equipped with rubber buffers, blocking device of the platform in case of pressure loss within the hydraulic piston, side mats for the protection of the staff while the platform is moving, control panel with automatic return to resting position. Delivery terms are of 30 -45 days.

DOCK SEALS

Dock seals are devices consisting of three flexible surfaces made of PVC placed on the sides and on the upper part of the warehouse door which, by sealing the truck, ensure the clean performance and the reduced thermal transfer of the loading and unloading operations.

The standard color is black with white markings for vehicle guidance and on request blue, red, green, yellow or grey. The standard execution sizes (width x length x height) are 3315/500/3750 mm (for the opening - 2050/2170) and 3315/500/4460 mm (for opening - 2050/3180).

FIREPROOF DOORS

A good fireproof door is a door combining certified high safety technology, in accordance with the laws in force, with an excellent design obtained through special attention granted to each detail.

Depending on their destination, residential houses, warehouses, cinemas or public buildings, fireproof doors are available in standard or atypical sizes, two versions of fire resistance (60 or 120 minutes); several types of opening (single, double, revolving, sliding etc.), as well as other optional accessories (windows, anti-panic handles, electromagnetic systems for automatic release).

The materials used to build the doors are of the best quality: electrostatic painted steel sheet, fireproof mineral wool, special expandable gaskets.



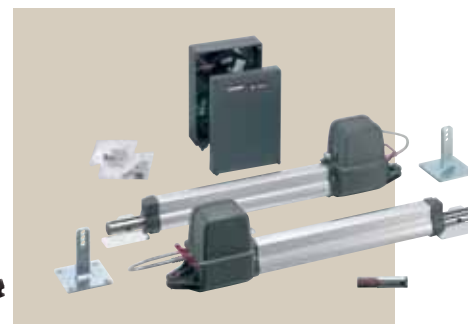
AUTOMATIONS FOR GATES



Swing gates automation



Sliding gates automation



For the access paths to and from residential, industrial or public enclosures, several viable automation solutions for swing and sliding gates may be used.



WINDOW ROLLER SHUTTERS



Window roller shutters are an ingenious solution for thermal, phonic and solar protection, and safety against natural phenomena or vandalism. The roller shutters can be driven manually – with ribbon, string, spring or lever or electrically – with button or remote control.

BUILT-ON ROLLER SHUTTERS (APPLIED)

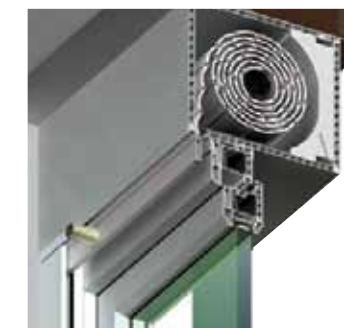


Made of aluminum slats with polyurethane foam, extruded aluminum guide rails with anti-dust brushes and exterior protective box, adapt well to the existing carpentry or to closing industrial commercial spaces.

The available colors for the built-on roller shutters are white, brown (RAL 8016), wood imitation (only the slats), and any other color upon request.

In addition, the roller shutters can be equipped with safety closing on the lower part such as locks or pins, or key switch for the automatic drive.

BUILT-IN ROLLER SHUTTERS



They are installed exclusively together with the carpentry, having the protective case and guides made from PVC particularly designed for clipping on the window frames.

The available colors are: white, brown, wood imitation (only slats).

ROLLER GARAGE DOOR



The roller shutter system made of thermal insulating aluminum slats is also used for closing garages. Mounting possibilities are varied, including to the exterior of the building, in which case the aluminum protective box is used.

The components used to produce roller garage doors are sized for openings of up to 6m wide, 77mm aluminum slats filled with polyurethane foam, which ensure thermal insulation, extruded aluminum guide rails with brushes, EPDM sealing gasket in the lower part.

The available colors are white, brown (RAL 8019) and wood imitation, and any other color upon request.

The drive is electric, with button or remote control, with the possibility of using the emergency manual drive, with a crank. **Optionally**, extruded aluminum slats can be fitted with small windows.