

Automatically Controlled Movement **MCA**

MCA has gathered over 15 years of experience, 120 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.

We provide products that comply with EU standards, guarantee a high quality - price ratio and we ensure short term delivery:

- 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 Sectional Garage Doors



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MCA SECTIONAL GARAGE DOORS

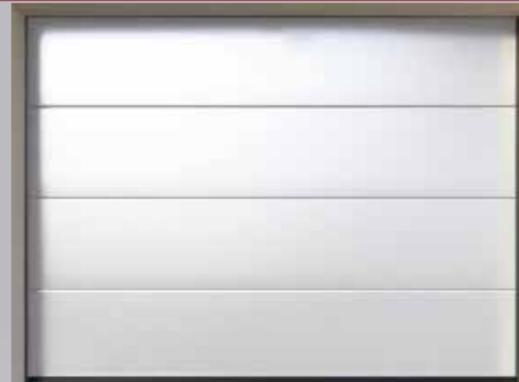
Sectional Door Panels



FLUSH - GOLDEN OAK



FLUSH - GREY 7016



FLUSH - WHITE - RAL 9002



FLUSH - BLACK - RAL 9005



MIDRIB - GOLDEN OAK



MIDRIB - GREY 7016



MIDRIB - WALNUT



MIDRIB - BROWN - RAL 8017



RIB - WHITE 9016



RIB - MAHOGANY



RIB - WALNUT



RIB - BROWN - RAL 8017



CASSETTE - GOLDEN OAK



CASSETTE - MAHOGANY

HARMONY AND BALANCE

The garage door is the largest opening of the house and sometimes occupies even a third of its facade. For reasons of space usage efficiency, in many cases, the garage is part of the house and leads to the street. Thus, the impact of the garage door over the thermal insulation and the appearance of the building is clear.

QUALITY, DIVERSITY AND EFFICIENCY

Optima garage doors can be ordered by choosing from a range of over 40 types of panels with different colors and surfaces that mimic wood and multiple types of embossing. MCA doors can be customized with multiple glazing options and with a low step wicket door.

MCA garage doors provide thermic comfort and a pleasant design and grant long term efficiency and reliability.



MCA SECTIONAL GARAGE DOORS



BUILT FOR A LIFETIME

Based on a technology with high quality standards, MCA Optima doors are designed to withstand more than 25 000 operating cycles. Try to calculate the number of years of usage based on this value aforementioned and we guarantee 10 years of flawless operation.

INCREASE THE VALUE OF THE HOUSE

Sectional automatic garage doors are very practical, giving your house a modern touch and increasing its value. The automations for MCA doors are endorsed by Sommer Germany. In addition, side doors made in tune with the garage doors give a uniform note to the house facade.

A STEP TOWARDS A SMART HOME

Automation is the future. If you think about a smart house, MCA has the solution. The command and control systems of the door can be connected to the management system of the building. In addition, one remote can control both the garage door and the access gate to your backyard.

INTELLIGENT USE OF SPACE

Sectional garage doors open vertically and run parallel to the ceiling surface. This way you will have more room in the garage and in front of it.

ADORN THE FRONT OF THE HOUSE

We are confident that you enjoy beautiful things and since the garage door may occupy an important place on the facade of your house, it should look perfect. Whatever your requirements are, we have the solution. You can choose from a range of over 40 standard panels or one of RAL colors. We can offer this because we are manufacturers and we want you to be happy about your choice.

OPTIMAL INSULATION FOR WINTERTIME

Elastic and resistant to climate change gaskets and 40mm thick panels, make the MCA sectional garage doors an effective barriers against wind, rain and snow. Side gaskets have been doubled for a superior insulation. Due to the experience with cold winters, MCA garage doors are constructed only with panels that can efficiently isolate your garage.

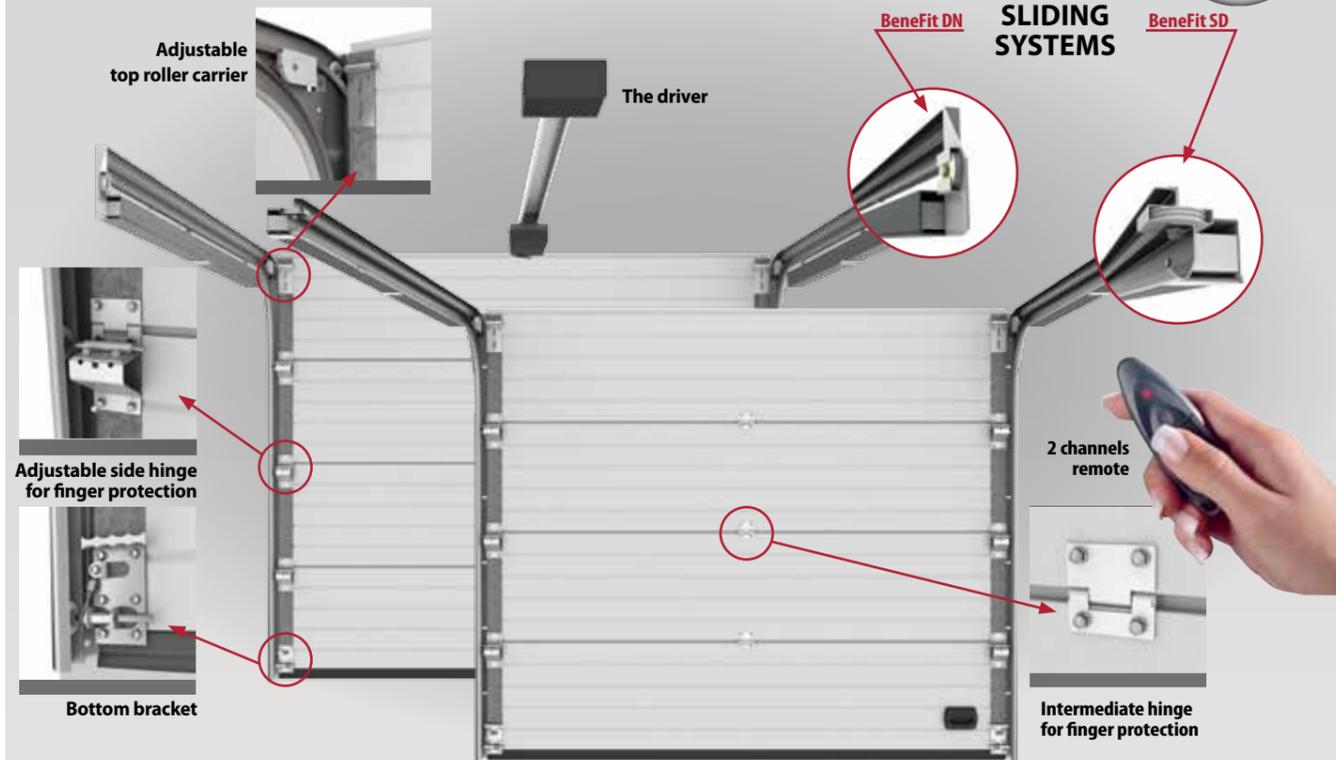
Sectional Door Panels



RIB stucco									
	White RAL 9016	Brown RAL 8017	Green RAL 6005	Green RAL 6009	Blue RAL 5010	Silver RAL 9006	White RAL 9016	Grey RAL 7016	Red RAL 3000
RIB woodgrain									
	White RAL 9016	Brown RAL 8017	Black RAL 9005	Golden Oak	Walnut Old Oak	Wenge	Mahogany	Green RAL 6009	
MIDRIB woodgrain/slick									
	White RAL 9016 woodgrain	Brown RAL 8017 woodgrain	Grey RAL 7016 woodgrain	Golden Oak slick	Walnut slick	Light Oak slick	White RAL 9016 stucco	White RAL 9016 woodgrain	Grey RAL 7016 woodgrain
FLUSH slick									
	White RAL 9016	Silver RAL 9006	Grey RAL 7016	Black RAL 9005	Rusted	Stainless Steel	Golden Oak		
CASSETTE									
	White RAL 9016 woodgrain	Golden Oak woodgrain	Brown RAL 8017 woodgrain	Mahogany woodgrain					

SECTIONAL DOOR SYSTEMS

BENEFIT - SECTIONAL DOORS WITH TRACTION SPRING

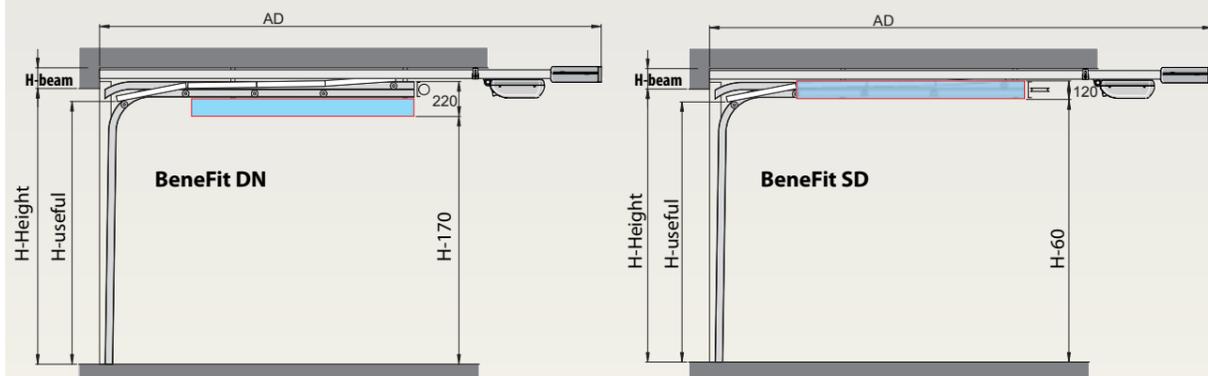


Standard dimensions for BeneFit sectional doors- Width x Height (mm)		
2500 x 2000	2500 x 2125	2500 x 2250
2700 x 2000	2700 x 2125	2700 x 2250
3000 x 2000	3000 x 2125	3000 x 2250

Benefit Sectional Doors

- Doors are made in standard sizes
- SD = springs located on the side of tracks
- DN = springs located under the sliding track
- Traction springs are guaranteed 15,000 cycles
- Extended warranty up to 5 years

SLIDING SYSTEMS SECTIONS: BENEFIT SD & DN



Sliding Systems	W max	H max	Required space for installation for BeneFit sectional doors (mm)				Poles width (left&right)	Deep (AD)	
			H-beam		H-useful			Manual	Electric
			Manual	Electric	Manual	Electric			
SD	3000	2250	80	120	H-100	H-50	140	H+700	H+1100
DN						100			

Sliding Systems for Residential Sectional Doors.



SECTIONAL DOORS WITH TORSION SPRINGS

OPTIMA LHF SLIDING SYSTEM

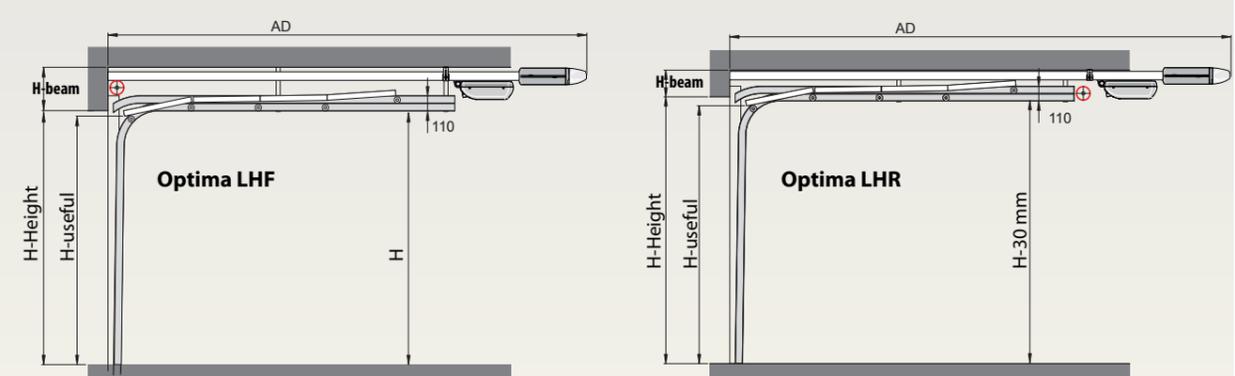


OPTIMA LHR SLIDING SYSTEM

Optima sectional garage doors

- Doors are made to the size of the architect's design
- LHF = springs are mounted at the front and above the door, on the beam
- LHR = springs are mounted at the back of the door, on the rail
- Hinges and panels caps are painted in white
- Torsion springs are guaranteed 25,000 cycles
- Extended warranty up to 10 years

SLIDING SYSTEMS SECTIONS: OPTIMA LHF & LHR



Sliding Systems	W max	H max	Required space for installation for Optima sectional doors (mm)						Poles width (left&right)	Deep (AD)	
			H-beam		H-useful		Manual	Electric			
			Manual	Electric	Manual	Electric					
LHF	5000	3000	220	260	H-150	H-80	100	H+200	H+1100		
LHR			110	160							

GLAZED SECTIONAL GARAGE DOORS



GLAZED SECTIONAL GARAGE DOORS

Glazed sectional garage doors are generally used for two purposes: to use natural lighting inside the garage and to fit the garage door to be one with the building's facade's design. Based on the architectural requirement MCA developed many glazing solutions with windows of different shapes and sizes. The window frames can be made out of black PVC or stainless steel.

Round windows D = 330



Rectangular windows 640 x 340



Glazed panel (anodized aluminum)



Rectangular windows 610 x 140



SUN windows



Grid windows



Wicket Doors



WICKET DOORS

Often, besides the car, we keep all sorts of things in the garage, such as the bicycle. Therefore, without completely opening the garage door you can quickly have access to the things in your garage. In addition, if there is another access door into the garage, it can be produced from exactly the same material as the sectional garage door.

- The access into the garage can be made also through the wicket door.
- The low step wicket door allows easy access into the garage with bikes and strollers.
- To be in tune with the garage door, side doors can also be produced.
- The wicket door comes with a door closer fitted on the upper side to ensure its smooth closing, this way avoiding injuries.
- Door frames and handles are of anodized aluminium, aesthetic and corrosion resistant.

Wicket door for lines model.



Wicket door for cassette model

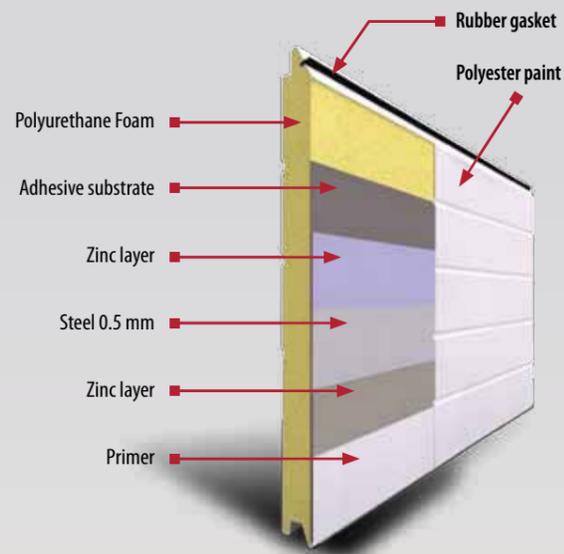


Separate door



TECHNICAL DATA

MCA SECTIONAL DOOR PANEL FEATURES

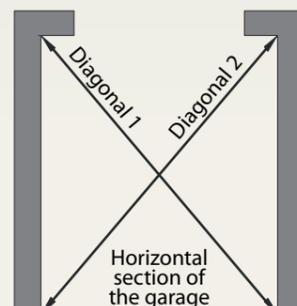
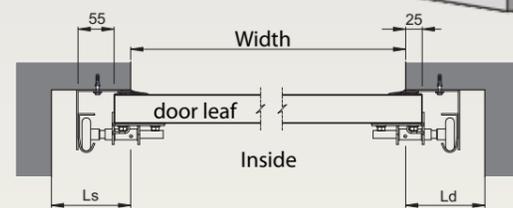
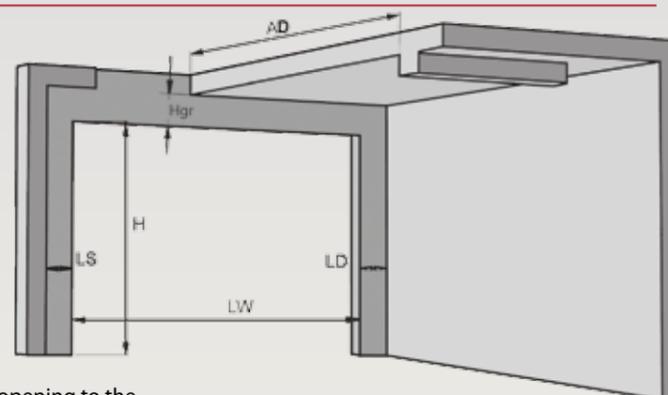


- Thermal Insulation**
 The panels are filled with polyurethane foam with excellent insulating properties. At 40 mm thickness the foam gives a double degree of insulation compared to polystyrene.
- Mechanical Strength**
 Galvanized steel sheet panels filled with 40 mm polyurethane foam. In the case of the embossed (woodgrain, stucco) panels the steel sheet has a 0.5 mm thickness and in case of the slick panels the sheet has a 0.7 mm thickness.
- Anti-finger Grip**
 The shape of the panels has been designed to avoid trapping fingers when it is manually operated.
- Uniform Color and Long-lasting Resistance**
 Through the painting process, the color layer is applied evenly and offers long-lasting resistance through the whole panel surface.
- Corrosion Resistance**
 The steel that panels are made of is protected against oxidation with layers of zinc (galvanized steel).

HOW TO MEASURE THE SECTIONAL GARAGE DOOR OPENING

Steps to measure your garage door:

- Measure the width (W) of the opening in three points: bottom, middle and top and choose the biggest value.
- Measure the height (H) of the opening in three points: left, right and middle and choose the biggest value.
- Measure the width of the right pole (Ld) (the distance from the opening to the first obstacle on the right side) in three points: low, middle and top and choose the smallest value.
- Measure the width of the left pole (Ls) (the distance from the opening to the first obstacle on the left side) in three points: bottom, middle and top and choose the smallest value.
- Measure the height of the lintel (HGR) - the distance from the opening to the ceiling or until the first obstacle. The measurement should be done in three points: left, right and middle choosing the smallest value
- Measure the ceiling depth (AD) from the lintel to the first obstacle (it can be another beam or rear wall of the garage). The measurement should be done in three points: left, right and middle and then choose the smallest value.
- Measuring the diagonals across the ceiling.
 Create an imaginary rectangle on the ceiling as follows:
 - One line is the lintel
 - Two parallel lines, perpendicular on the lintel and with the length of H + 700 mm (door opening height + 700 mm). Each of these two lines will be 100 mm away from the left and right pole's edges.
 - The last line will close the created rectangle. Measure the diagonals of the rectangle.

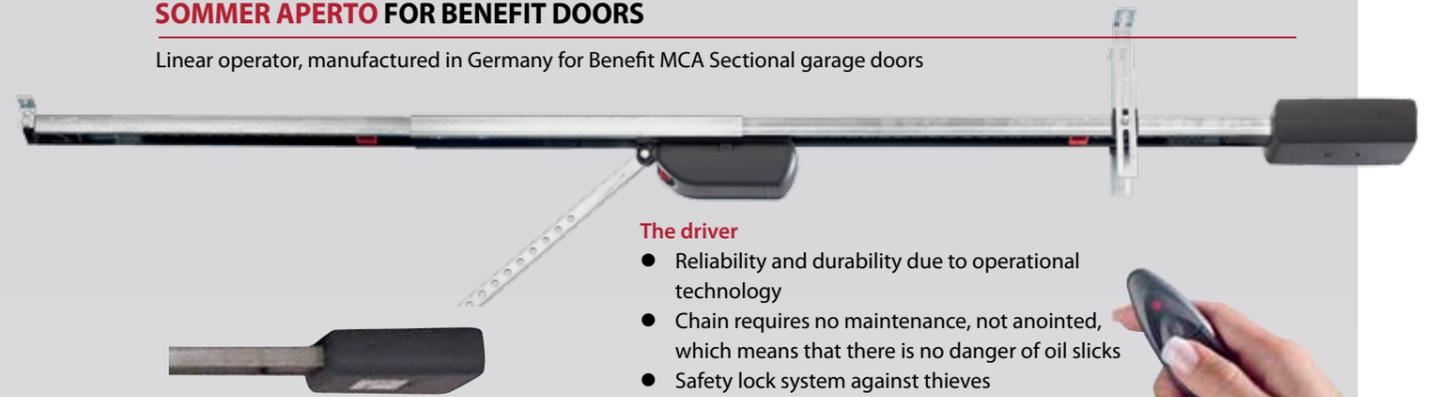


The diagonals must be equal, so the created rectangle does not intersect any side walls or beams. If this does not happen, contact a specialist to give you the best mounting solution.
 When an order for a garage door is placed, all these measured dimensions have to be sent (W,H,LS,LD,Hgr,AD).

Automation

SOMMER APERTO FOR BENEFIT DOORS

Linear operator, manufactured in Germany for Benefit MCA Sectional garage doors



The driver

- Reliability and durability due to operational technology
- Chain requires no maintenance, not anointed, which means that there is no danger of oil slicks
- Safety lock system against thieves

Control unit

- Includes the radio receiver (FM 868.8 MHz and 112 memory slots)
- Automatic detection of obstacles: automatic lifting when encountering an obstacle
- Technology for automatic adjustment of power (Dynamic Power System): It calculates the force necessary to operate the door automatically, adjusting to a maximum safe operating

2 channels remote

SOMMER - SPRINT EVOLUTION & DUO RAPIDO FOR OPTIMA GARAGE DOORS

Linear operator, manufactured in Germany for Optima MCA Sectional garage doors



The driver

The Driver

- Reliability and durability due to operational technology
- Chain requires no maintenance, not anointed, which means that there is no danger of oil slicks
- Locking system against thieves

Control Unit

- Includes the radio receiver (FM 868.8 MHz and 112 memory slots)
- Integrated lighting lamp
- Automatic detection of obstacles: automatic lifting when encountering obstructions
- Technology for automatic adjustment of labor (Dynamic Power System)

4 channels remote

Emergency Release

- The unique SOMMER emergency release system ensures that the gate can be opened (unlocked) and locked manually in any position. Only with SOMMER your gate remains locked (closed) during a power failure as well and this offers you optimal safety in any situation.

ACCESSORIES

