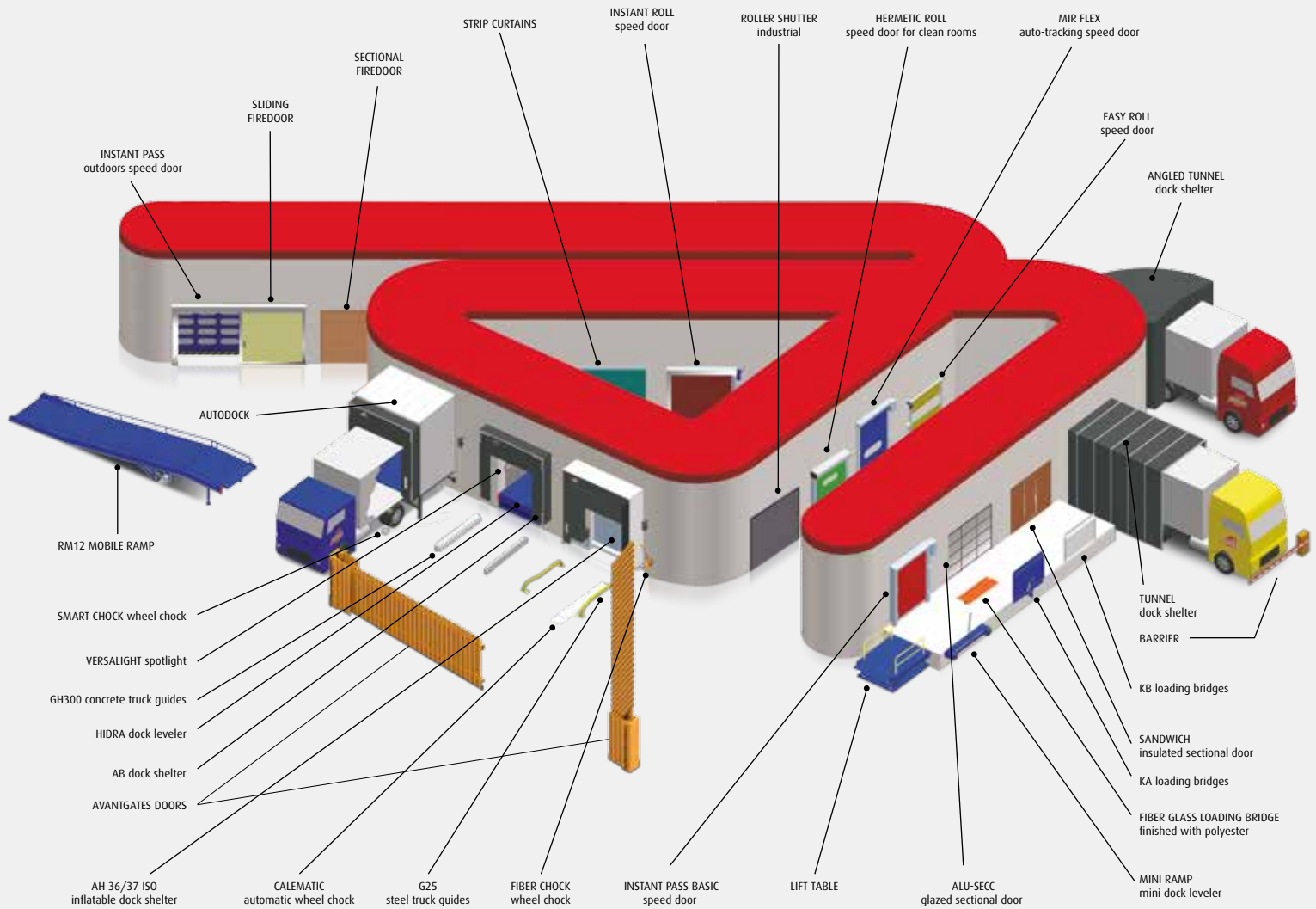




# ROLLER SHUTTER DOORS



*Reliable Doors & Docks*



**EXPORTING OVER 50 COUNTRIES SINCE 1967**

**[www.angelmir.com](http://www.angelmir.com)**

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## The passion for a job well done is the basis of Angel Mir's growth.

For 50 years, we have been manufacturing industrial doors and solutions for logistics. We are present in more than 50 countries, developing doors for specific applications that are taken as a reference in the international market.

Our exclusive and original patented systems born from our commitment to satisfy the needs of our customers to the smallest detail. Our equipment are designed to solve practical, safety, technical and aesthetic situations.

At Angel Mir each team is unique because our goal is customer satisfaction; therefore, we advise and design all products according to the needs of each application and we take care of their installation. Likewise, we offer an after-sales maintenance and repair service during the entire life cycle of the product.

**Ángel Mir**  
President

La Bisbal  
BARCELONA



Angel Mir factories with over 22.000 m<sup>2</sup>



### Energy efficiency

Some **Angel Mir**® products have been developed to provide significant energy efficiency and reduced consumption of the resources.

With our experience we support and assist our clients to carry out projects with the maximum energy savings through the most appropriate choice of our products.

Also, depending on the sector, we recommend the most durable and suitable equipment for each application.

### Raw materials

For over 50 years, **Angel Mir**® has had always local and European suppliers who provide the best raw materials, to achieve high performance of their products and long durability.

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[www.angelmir.com](http://www.angelmir.com)



# ROLLER SHUTTER DOOR A model for each sector



## **For warehouses with temperature control**

Roller shutter doors  
MIRTHERM



## **For storages rooms and box warehouses**

Steel roller shutter door  
ROLLMIR BOX



## **For loading docks**

Roller shutter doors  
MIRTHERM  
ALUMIR



## **Designed for car parks**

Aluminium  
roller shutter doors  
ALUMIR



## **For accesses with limited space**

Roller shutter doors  
MIRTHERM  
ALUMIR  
ALUMINIUM  
STEEL



## **For residential garages**

Roller shutter doors  
ALUMINIUM  
STEEL



## **Wide range for commercial premises**

Roller shutter doors  
ALUMINIUM  
STEEL  
Solid slat  
or microperforated



## **Adaptable to each sector**

Roller shutter doors  
INSULATED  
WITHOUT INSULATION  
ALUMINIUM  
STEEL

## 10 REASONS TO CHOOSE A ROLLER SHUTTER DOOR

| 01

### Durability

The use of the best raw materials combined with the design work of our R&D department ensures that the **Angel Mir®** roller shutter doors have a long duration.

| 02

### Minimum maintenance (doors for industrial use)

The maintenance costs of the roller shutter doors are reduced due to the design of the door itself which, unlike other models, do not have springs or cables, which reduces the minimum maintenance required.

| 03

### They take up little space

Ideal for limited spaces since its installation occupies the minimum room above the gap.

| 04

### Thermal isolation

According to the model, the roller shutter doors can achieve a higher or lower thermal level of insulation, by means of their slats; for example, the insulating slats ensure a high degree of sealing and the microperforated or die-cut slats facilitate better ventilation.

| 05

### High performance

The design of the roller shutter doors is intended to achieve optimal functionality and maximum strength of the whole and, ultimately, to ensure high performance.

| 06

### Safety

All models are subject to strict quality control. In addition, they incorporate different systems that guarantee user safety at all times.

| 07

### Diversity of models

Angel Mir provides a wide range of models to the market in order to offer the solution that best suits each requirement.

| 08

### The finishes

The wide range of finishes available puts no limits on its creativity. You can customize the door to your liking by choosing the colours and the type of lacquer of the slats.

| 09

### Peepholes and ventilation grilles

The different models of slats, peepholes and ventilation grilles offer the option to change the appearance of the roller shutter door increasing natural luminosity or ventilation.

| 10

### Motors and automatisms

Motors and automatisms of the doors are essential for these last and therefore Angel Mir collaborates with the best manufacturers to ensure maximum reliability and durability.

## ROLLER SHUTTER DOORS

THE RANGE OF DOORS	CARACT. BY MODEL	INSULATING DOORS	WITHOUT INSULATION DOORS	GUIDES, MOTORS AND ACCESSORIES	ALUMINIUM DOORS	STEEL DOORS	GUIDES, MOTORS AND ACCESSORIES
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### THE RANGE OF ROLLER SHUTTER DOORS ANGEL MIR Why a roller shutter door?

Angel Mir® has a wide range of models for the industry, for the commercial sector and also for residential use: insulated roller shutter doors, without insulation, aluminium or steel roller shutter doors or suitable for intensive use.

The operation of the doors is very practical because the rolling automatic opening of the slats is located in the upper part of the door. Its design is elegant and adapts itself to the requirements of each application through the type of slat: blind, to prevent the light to go through and to view the interior; micro-perforated or die-cut slats for better ventilation and visibility; or insulating slats to achieve better sealing, therefore a constant temperature inside can be maintained.

### CARACTERISTICS BY MODEL

#### Doors for industrial use

	MODEL	SOLID SLAT	MICRO-PERFORATED	DIE-CUT	PEEPHOLES	MAX. WIDTH	MAX. HEIGHT
<b>INSULATING ROLLER SHUTTER DOORS</b>							
	Mirtherm IST	•			•	6.000	5.000
	Mirtherm Speed	•				5.300	5.300
<b>ROLLER SHUTTER DOORS WITHOUT INSULATION</b>							
	Alumir Simple	•	•	•	•	6.000	5.000
	Alumir Double	•	•		•	6.000	5.000

#### Doors for commercial / residential use

	MODEL	SOLID SLAT	MICRO-PERFORATED	DIE-CUT	PEEPHOLES	MAX. WIDTH	MAX. HEIGHT
<b>ALUMINIUM ROLLER SHUTTER DOORS</b>							
<b>WITHOUT INSULATION</b>							
	Alumir C80	•	•	•	•	4.700	4.500
	Alumir C100	•	•	•	•	5.800	4.500
	Alumir PS	•	•			5.600	3.300
<b>INSULATING</b>							
	Alumir C75 Isolated	•				4.000	3.500
<b>STEEL ROLLER SHUTTER DOORS</b>							
	Rollmir 110	•				13.000	10.000
	Rollmir 47	•				3.000	4.000
	Rollmir 110 Micro		•			7.000	12.160
	Rollmir Vision	•				8.200	5.000
	Rollmir Protect 1627	•				1.610	1.330
	Rollmir Box	•				3.000	2.500
	Rollmir Tubular	•				12.100	8.000
	Plemir (folding grid)	•				3.000	10.000

• Available



# ROLLER SHUTTER DOORS

THE RANGE  
OF DOORS

CARACT.  
BY MODEL

**INSULATING  
DOORS**

WITHOUT  
INSULATION  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

ALUMINIUM  
DOORS

STEEL  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

## ROLLER SHUTTER DOORS FOR INDUSTRIAL USE

### INSULATING ROLLER SHUTTER

The insulating roller shutter doors from **Angel Mir®** provide a high thermal insulation inside refrigerated docks, clean rooms or cold industrial units.

Depending on the model and according to the degree of sealing required, the doors can be equipped with a thermal bridge breaking system in the slats and the guides to maintain the stable temperature at all times with total reliability.



# ROLLER SHUTTER DOORS

THE RANGE  
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CARACT.  
BY MODEL

**INSULATING  
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INSULATION  
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DOORS

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DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

## Model **MIRTHERM IST**

The **insulating roller shutter door Mirtherm IST** from **Angel Mir®** is perfect for very large gaps facing outdoors, as its resistance to wind loads is high. It has been designed for a general industrial use and is manufactured with insulating sandwich slats without thermal bridge breaking system.

It is a strong roller shutter door intended for intensive use, ensuring a long service life and maximum safety. Its operation is very quiet because of the material used, that make possible the slats to move

smoothly; and being possible to include a speed control in case a greater opening speed is required. Mirtherm IST is a door without components risking frequent wear such as cables and springs, which means that it is practically maintenance free. The standard slats are in galvanized steel, but are available in painted aluminium and, if required, can include acrylic windows.

**Maximum dimensions:** 5.000 x 5.000 mm.

*For other sizes, please enquire.*



Exterior view of doors at different levels.



Door **Mirtherm IST®** in food industry interior.

## Standard finishes



**RAL 9002** White



**RAL 9006** Grey



**RAL 7016** Grey



**RAL 5010** Blue



**RAL 3000** Red



Door **Mirtherm IST®** in paint box.



# ROLLER SHUTTER DOORS

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Door **Mirtherm IST®** Ral 7016.



Door **Mirtherm IST®** in warehouse interior .



Door **Mirtherm IST®** with side and upper fixed RAL 9006.



Interior view of doors **Mirtherm IST®**.



Interior view of doors **Mirtherm IST®** with peepholes.



Interior view of door roller shutter **Mirtherm IST®**.

## ROLLER SHUTTER DOORS

THE RANGE  
OF DOORS

CARACT.  
BY MODEL

**INSULATING  
DOORS**

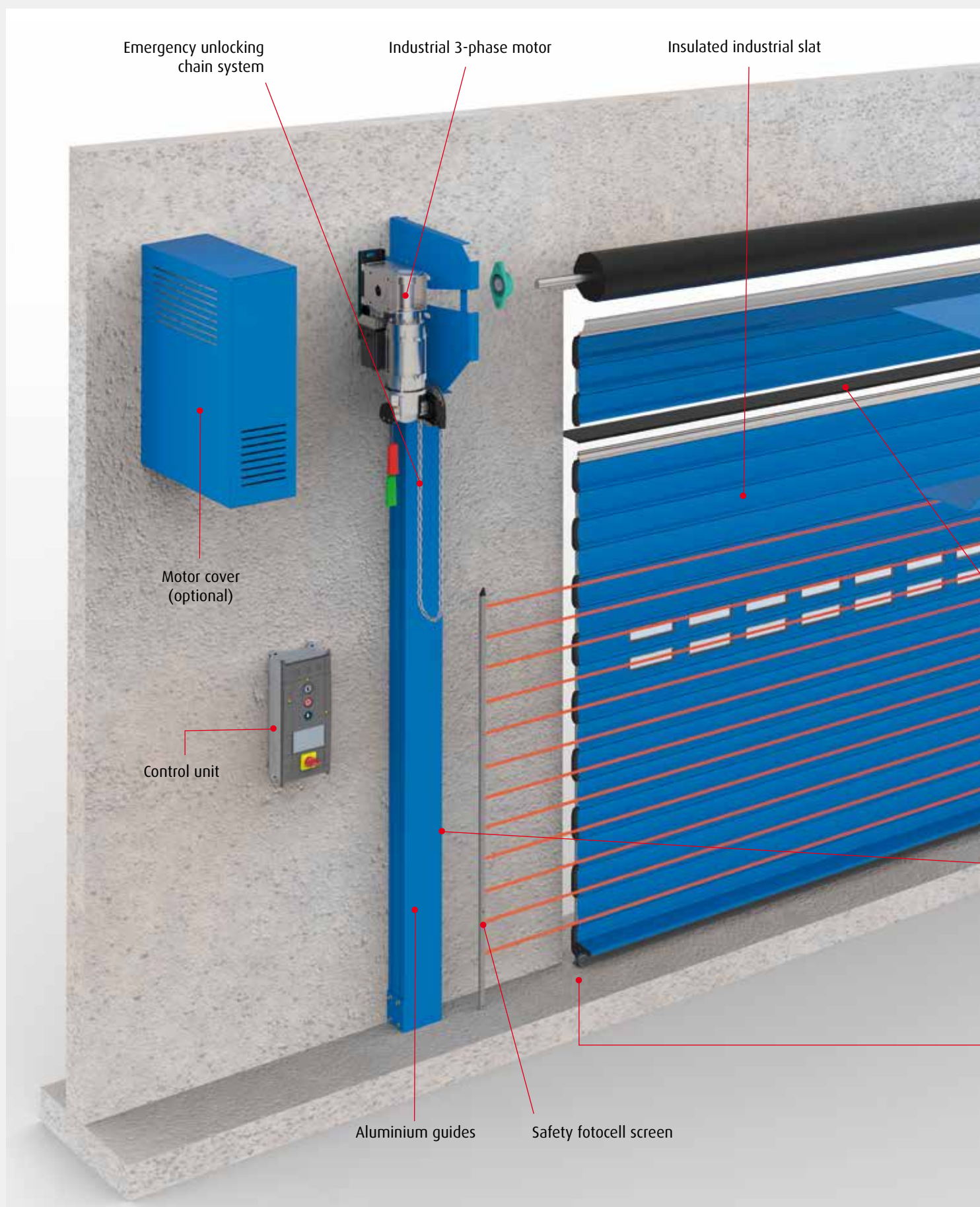
WITHOUT  
INSULATION  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

ALUMINIUM  
DOORS

STEEL  
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GUIDES,  
MOTORS AND  
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# ROLLER SHUTTER DOORS

THE RANGE  
OF DOORS

CARACT.  
BY MODEL

**INSULATING  
DOORS**

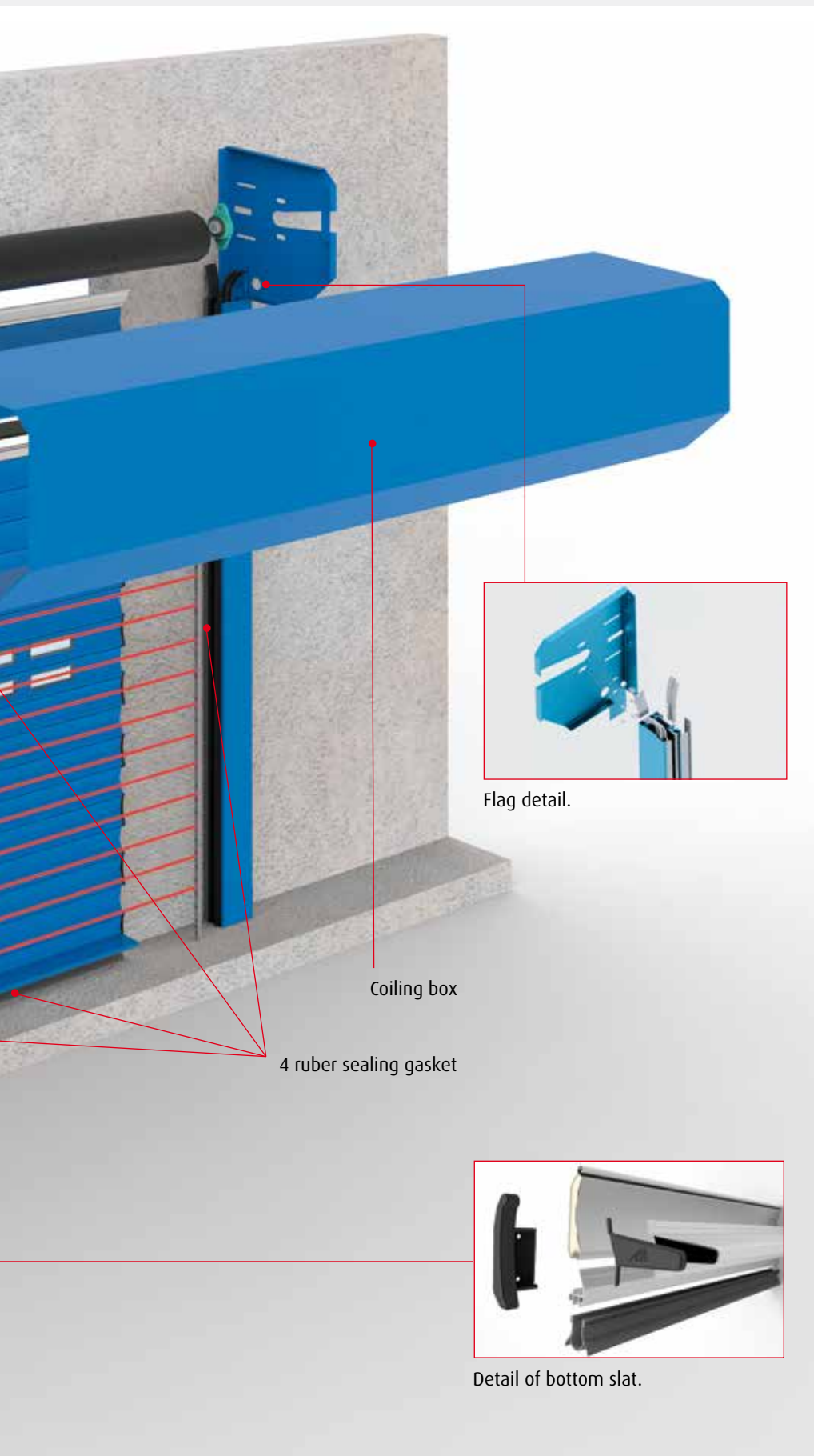
WITHOUT  
INSULATION  
DOORS

GUIDES,  
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ACCESSORIES

ALUMINIUM  
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GUIDES,  
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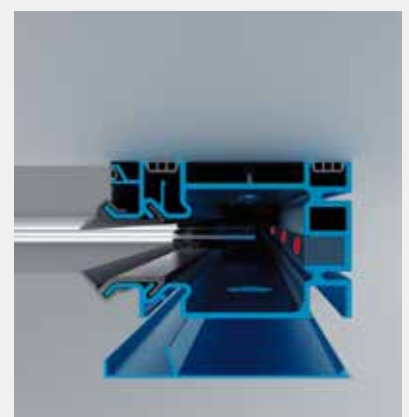
Hidden cables.



Detail of sailing joints.



Machine of slats Mirtherm.  
Own line of manufacturing slats.



Guide 135 detail with photocell curtain.



## ROLLER SHUTTER DOORS

THE RANGE  
OF DOORS

CARACT.  
BY MODEL

**INSULATING  
DOORS**

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DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

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DOORS

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DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

### Doors Mirtherm IST in loading docks



### Model **MIRTHERM SPEED**

The insulating roller shutter door Mirtherm Speed from **Angel Mir®** has been specially designed to open and close quickly providing a good insulation and producing very little noise.

Manufactured with first quality materials and having a unique design, the slight curvature inside the PVC slats provides a significant thermal division, especially in the joints, which are also covered up by a soft PVC rubber.

It is precisely the slight curvature of the slats that makes the roller shutter door move silently. The new soft PVC strips inside the curved

profile allow noise reduction, even at high speeds of up 1,7 m/s. Optionally, this model can have the back with two colours: the inside PVC strip in a discreet powder grey (like RAL 7037), intended to hide possible signs of abrasion and other dirt. This colour makes a delicate contrast with the light grey slats (similar al RAL 7035). This two-colour variant is available at no additional charge. Wind resistance Class 3.

**Maximum dimensions:** 4.000 x 5.000 mm.

*For other sizes, please enquire.*



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ACCESSORIES

ALUMINIUM  
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STEEL  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

### ALUMINIUM ROLLER SHUTTER WITHOUT INSULATION

The aluminium industrial roller shutter door models from **Angel Mir®** are suitable for working semi-intensively or intensively in medium or large-sized gaps in industrial units, warehouses, car parks, loading docks, supermarkets, shops, premises, etc.

They occupy minimum space and allow great flexibility in their design, with option of external or internal assembly, easy and fast. They are economical roller shutter doors, which are characterized by having a practical and quiet operation, and with automatic option. They are manufactured with extruded aluminium slats and guides, which are available in different finishing: painted RAL chart, lacquered or anodized.

Thanks to their strength, they are safe against possible theft and resistant to inclement weather such as wind loads.



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INSULATING  
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ALUMINIUM  
DOORS

STEEL  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

### Model **ALUMIR SF**

The roller shutter doors Alumir SF from **Angel Mir®** are light weight, durable and provide good sealing for limited sites located outdoors of any industry.

It is a high-quality door, with long service life, resistant to impacts and suitable for semi-intensive use. It is manufactured with single slat made in aluminium extrusion and an available finishing in raw white, anodized or painted. It also allows the option to add polycarbonate strips to include peepholes, increasing the visibility and light input.

Optionally, the aluminium slat can be die-cut slat (**Alumir SF-T**). On the other hand, the speed of the rolling door can be increased by a speed variator.

**Maximum dimensions:** 5.000 x 5.000 mm.

*For other sizes, please enquire.*



Silver anodized finishing.



White lacquered finishing.

*For other colours, please enquire.*



### Model **ALUMIR DF**

The doors Alumir DF from **Angel Mir®** include a double rolling slat reinforced with aluminium to offer a little more insulation without losing softness when opening and closing. It is a more solid model, intended to last and perfect for cold areas.

Its operation is reliable and safe and its modern design allows peepholes to be included and to choose between different finishes. It can also integrate a speed variator.

**Maximum dimensions:** 6.000 x 6.000 mm.

*For other sizes, please enquire.*



Silver anodized finishing.



White lacquered finishing.

*For other colours, please enquire.*





# ROLLER SHUTTER DOORS

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ACCESSORIES

ALUMINIUM  
DOORS

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GUIDES,  
MOTORS AND  
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## Model ALUMIR PS

The **aluminium roller shutter door Alumir PS** from **Angel Mir®** is intended for semi-intensive use in passages having high traffic flow, such as community garages or car parks.

Depending on the size of the door, the motors can withstand 30 to 40 manoeuvres per hour. It has a fast motorization with frequency variator that avoids the blows by sudden braking and allows to adjust the speed to the customer's need. With this system, the performance of the gearmotor is improved and protected by improving its reliability. They can include a receptacle for covering the drum, although it is compulsory for doors lower than 2500 mm in height.

The guides of the door are equipped with PVC guiding profiles to improve sliding and to dampen noise. On the other hand, the aluminium slats

can be perforated or die-cut, and lacquered in different colours, or optionally, anodized.

Rolling door with anti-entrapment safety system by means of a photocell curtain that protects the entire width of the door.

### Types of slat:

- 80 mm. double aluminium
- 100 mm. double aluminium
- 80 mm. single micro-perforated
- 100 mm. single micro-perforated

**Maximum dimensions:** 5.500 x 3.000 mm.

*For other sizes, please enquire.*



Door **Alumir PS** at the access to a parking.



Door **Alumir PS** installed externally.

## GUIDES, MOTORS AND ACCESORIES for models Mirtherm IST, Alumir SF and DF

### Guides



**Guide 135**



**Guide 105**

### Motors



Single-phase motor with variator.  
It can only go with the automatic panel TS971.



Three-phase motor.



**Panel TS959**  
maintained contact.



Automatic  
**panel TS971.**

### Accesories



Peepholes



Drum cover



Motor cover

# ROLLER SHUTTER DOORS

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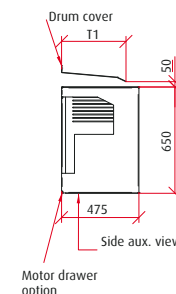
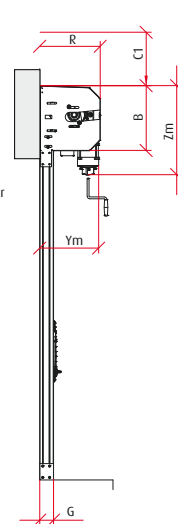
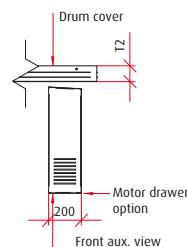
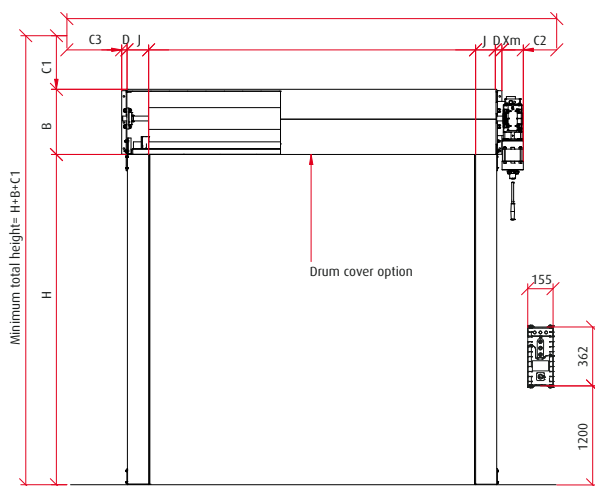
GUIDES,  
MOTORS AND  
ACCESSORIES

## Generic sketch of industrial roller shutter door

For the models of guides G105 / G135 and slats Alumir Alumir SF / Alumir DF / Mirtherm IST / C80 / C100

### INTERIOR AND EXTERIOR ASSEMBLY

with protection of motor and cover as available options



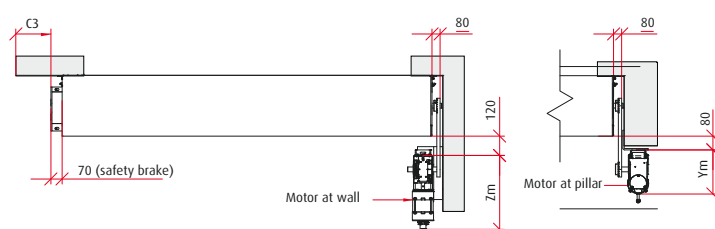
### SIDE MOTOR ASSEMBLY

motor can be assembled indistinctly either left or right

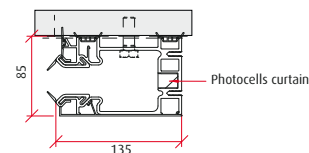


### FRONT MOTOR ASSEMBLY

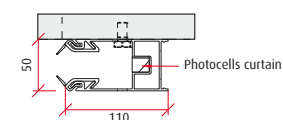
Motor can be assembled on wall or pillar according to the requirements of the work



### Isolated profile detail GUIDE G135



### Profile detail GUIDE G105



## Flags: general sizes

FLAG	FLAG PS	FLAG SMALL	FLAG MEDIUM	FLAG LARGE
B (mm)	300	365/435**	415/485**	465/535**
R (mm)	320	340	450	500
D (mm)	30 / 0 (pleg. Int.)	40	40	40
OPTION COVERING				
T1 (mm)	not applicable	390	470	575
T2 (mm)	not applicable	100	120	140
ASSEMBLY MARGIN				
C1 (mm)	50	70	100	100
C2 (mm)	80	150	200	200
C3 (mm)	30	50	120	120

\* All doors of light height (H) < 2,5 m. are supplied compulsory with drum cover.

\*\* Size of the lintel height (B) with longitudinal reinforcement is A>3,2m.

# ROLLER SHUTTER DOORS

THE RANGE OF DOORS	CARACT. BY MODEL	INSULATING DOORS	WITHOUT INSULATION DOORS	GUIDES, MOTORS AND ACCESSORIES	ALUMINIUM DOORS	STEEL DOORS	GUIDES, MOTORS AND ACCESSORIES
--------------------	------------------	------------------	--------------------------	--------------------------------	-----------------	-------------	--------------------------------

## Safety: section of variables

MANUAL DOOR OPENING	
H < 3000	CRANK
H ≥ 3000	CHAIN
OPERATION DOOR	
APPLIED SAFETY	
Pulsation (impulse) Distant or remote control	OPTION 1. Photocell + Contact Band
	OPTION 2. Photocells curtain (Recommended)
Maintained contact Worker present Direct sight	Not necessary

## Guides: general sizes

GUIDE	G105	G135
G	55	85
J	110	135

## Motors: general sizes

						Power supply
STANDARD MOTOR	SI 17,15	SI 25,15	SI 40,15	SI 55,15	SI 75,15	Three-phase motor standard 230/400V 50Hz
Xm (mm)	145	190	190	190	145	
Ym (mm)	250	280	280	290	330	
Zm (mm)	430	530	490	540	660	
POWER (kw)	0,4	0,75	0,85	1,1	1,1	
AMPERAGE** (A)	3,7 - 2,2	8	4,4 - 2,6	7,2 - 4,2	8,1 - 4,7	
MANEUVRES***/Hour	20	14	16	16	14	Single-phase motor with inverter 230V
VARIABLE SPEED MOTOR	SI 17,60 FU	SI 25,60	SI 40,40 FU	SI 55,40 FU	SI 75,45 FU	
Xm (mm)	140	200	200	200	200	
Ym (mm)	350	430	430	430	480	
Zm (mm)	600	530	530	600	700	
POWER (kw)	0,85	1,5	1,5	4,5	4,5	
AMPERAGE** (A)	6,6	7,3	7,3	12,4	12,4	
MANEUVRES***/Hour	30	40	30	20	20	

\*\* In the starting phase, the operating power can be multiplied by four.

\*\*\* In normal atmospheric conditions and NOT CONTINUED use. To reduce by half in case of adverse conditions or continued use.

## Selection of variables

FLAG		PS	SMALL	MEDIUM	LARGE
FLAG SELECTION by lux high (H)*	ALUMIR SF/DF	not applicable	H <= 2,7m	2,7m > H <= 4m	4m > H <= 5,3m
	MIRThERM	not applicable	H <= 3,6m	3,6m > H <= 5,2m	5,2m > H <= 6,8m
	C80**	H < 3m	not applicable	not applicable	not applicable
	C100	H < 2,8m	2,8m > H <= 3,8m	3,8m > H <= 5,2m	not applicable

STANDARD MOTOR		SI 17,15	SI 25,15	SI 40,15	SI 55,15	SI 75,15
VARIABLE SPEED MOTOR		SI 17,60 FU	SI 25,60	SI 40,40 FU	SI 55,40 FU	SI 75,45 FU
MOTOR SELECTION by slat curtain surface (S)	ALUMIR SF/DF	S <= 7m2	7m2 > S <= 9,5m2	9,5m2 > S <= 14m2	14m2 > S <= 17,5m2	17,5m2 > S <= 24m2
	MIRThERM	S <= 8,5m2	8,5m2 > S <= 11m2	11m2 > S <= 16,5m2	16,5m2 > S <= 21m2	21m2 > S <= 30m2
	C80	S <= 12,5m2	12,5m2 > S <= 17m2	not applicable	not applicable	not applicable
	C100	S <= 11m2	11m2 > S <= 15m2	15m2 > S <= 22,5m2	not applicable	not applicable

GUIDE	G105	G135
GUIDE SELECTION by light width (A), reinforced or thermal insulation.	ALUMIR SF/DF	A ≥ 4m or Anti-storm reinforcement
	MIRThERM	A ≥ 4,5m or Anti-storm reinforcement or thermal insulated
	C80 / C100	always



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### DOORS FOR COMMERCIAL / RESIDENTIAL USE

#### ALUMINIUM ROLLER SHUTTER DOORS

The aluminium roller shutter doors from **Angel Mir®** are excellent for residential or private homes garages, commercial areas, shops, restaurants and other industries, because they fit all needs and tastes through wide finishing range available.

They are the best solution when there is a lack of space; they can be installed indoors or outdoors and are custom-built manufactured. Its opening system, by winding the slats to the upper drum of the door, has an easy, supple and reliable operation that can be easily automated if the customer requires it.

A wide range of guides of soft and elegant lines are available, even including the option to house unblocking double box in different positions, as well as different high-quality accessories.



Door **Alumir C80T** with gold anodized finishing without polycarbonate for greater ventilation.



Wood finishing with drawer **Twinbox** mounted to the outside



Door **Alumir C80** combining blind and die-cut slat with polycarbonate.

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STEEL  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

## Model **ALUMIR C80**

The **model LP 80 ES** from **Angel Mir®** is the softest and most elegant rolling door in the marketplace, allowing high visibility due to the die-cut, perforated and micro-perforated slats.

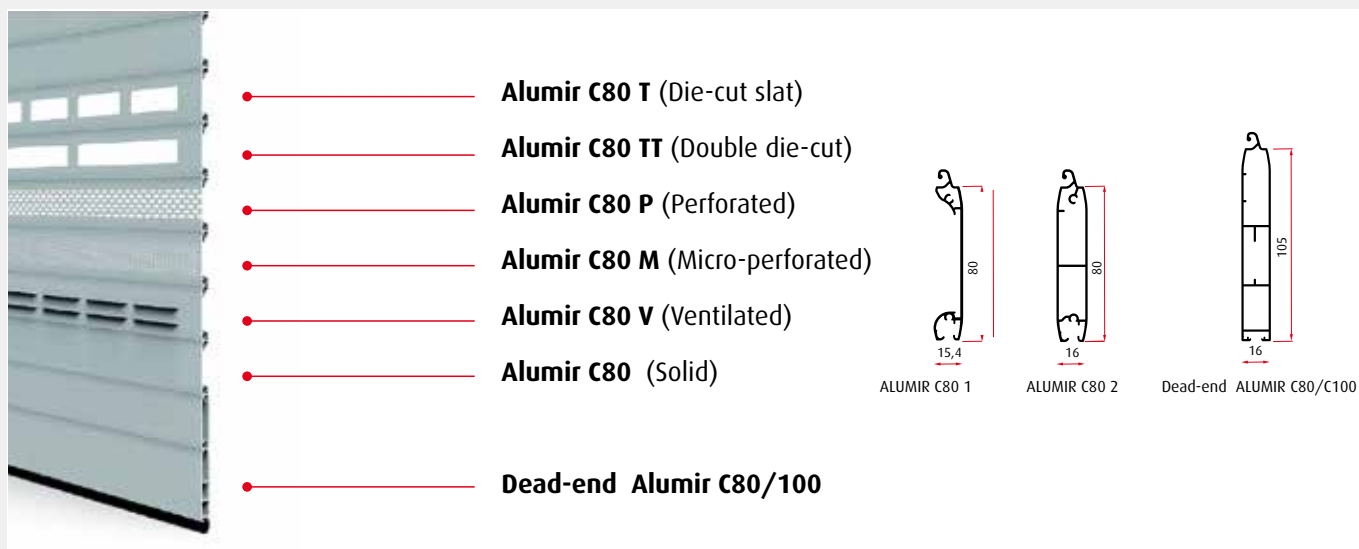
It is the perfect door for commercial premises because the complete micro-perforation of all its slats, which provides full view of the interior, obtaining an authentic window display 24 hours a day. The slats of the door are also available with double solid finishing, ventilated and with two options of die-cut with gaps, which can be

combined with polycarbonate slats, with which to avoid the passage of air, dust, etc.

It is a light, durable and safe roller shutter that is supplied with an exclusive silent system for opening and closing the door.

**Maximum dimensions:** 4.600 x 4.000 mm.

*For other sizes, please enquire.*



Detail of the stop.



Detail of the slat.



Detail of the sealing joint.



Door **ALUMIR C80**.



Door **ALUMIR C80** with die-cut slat.

## Model ALUMIR C100

The **aluminium roller shutter door LP 100 ES** from **Angel Mir®** is distinguished by its 100 mm extruded slat that provides great security without sacrificing the maximum indoor visibility.

They are ideal for shops and commercial premises having large accesses. A rubber system allowing silent opening and closing is integrated.

The finishes can vary according to the needs of the customer, being possible to have different slat performances (blind finishing, ventilated, die-cut with gaps, as well as polycarbonate slats to prevent the passage of air, dust, etc.).

**Maximum dimensions:** 5.700 x 4.000 mm. / 5.000 x 4.000 mm. with die-cut or double die-cut slat.

*For other sizes, please enquire.*



Door **Alumir C100** with die-cut slat.



Door **Alumir C100** with micro-perforated slat.



## ROLLER SHUTTER DOORS

THE RANGE  
OF DOORS

CARACT.  
BY MODEL

INSULATING  
DOORS

WITHOUT  
INSULATION  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

**ALUMINIUM  
DOORS**

STEEL  
DOORS

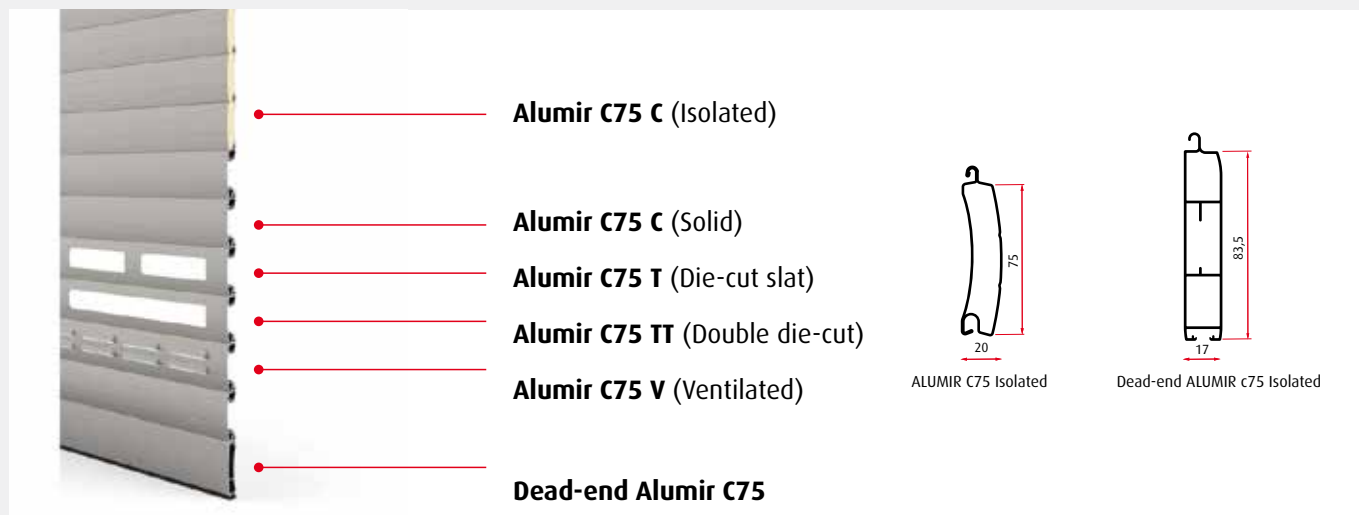
GUIDES,  
MOTORS AND  
ACCESSORIES

### Model **ALUMIR C75 Isolated**

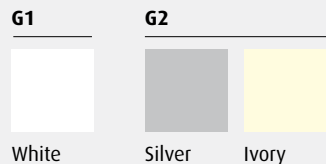
The model of aluminium roller shutter **Alumir C75** from **Angel Mir®** is made with curved extruded aluminium slats filled with polyurethane foam for better insulation. Especially suitable for private or community garages.

**Maximum dimensions:** 3.500 x 4.000 mm.

*For other sizes, please enquire.*



### Available lacquers



Door **ALUMIR C75 Isolated**.

# ROLLER SHUTTER DOORS

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**GUIDES,  
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ACCESSORIES**

ALUMINIUM  
DOORS

STEEL  
DOORS

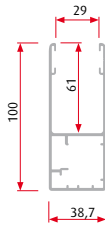
GUIDES,  
MOTORS AND  
ACCESSORIES

## GUIDES, MOTORS AND ACCESORIES

### Guides

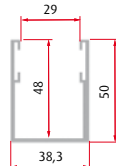
#### Guide 39x100

LP 80 ES  
LP 100 ES  
LP 100 ES REP  
LP 100 ES ERE  
LO 105 ECB  
LP 75 C  
LP 75 EC



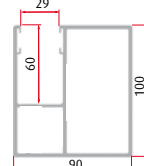
#### Guide 39x50

LP 80 ES  
LP 100 ES  
LP 100 ES1REP  
LP 105 ECB  
LP 75 C  
LP 75 EC



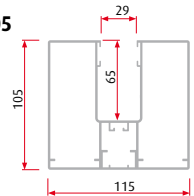
#### Guide 90x100

LP 80 ES  
LP 100 ES  
LP 100 ES1REP  
LP 105 ECB  
LP 75 C  
LP 75 EC



#### Guide 115x105

LP 80 ES  
LP 100 ES  
LP 100 ES REP  
LP 100 ES ERE  
LO 105 ECB  
LP 75 C  
LP 75 EC



We have a wide range of soft and elegant lines, including models having the option to house unblocking double box in different positions.

### Motors



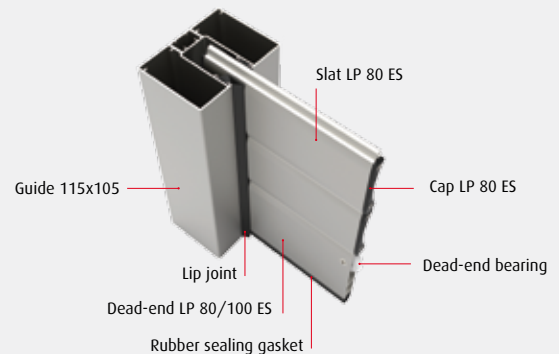
Centre shaft motor



Tubular motor

### Accessories

We take care of all details regarding the accessories to offer the highest quality product meeting the needs of our customers.



## Extruded aluminium FINISHES. Alumir C80 and C100

### Standard colours

#### G1



WHITE

#### G2



SILVER



IVORY

#### G3



RAL 6005



RAL 6009



RAL 7011



RAL 7012



RAL 7016



RAL 7022



RAL 7035



TESTA DI MORO



RAL 8007



RAL 8014



RAL 8017



RAL 8019



NEGRO SEMI BRILLO



NEGRO MATE

### Wood like

#### G4



MADERA OSC. LB

#### G5



GOLDEN OAK



WALNUT



SHERWOOD



NOGAL NIGRA



ROBLE BLANCO



PINO NUDOS



NATURAL OAK



SAPELLY CAOBA



ROBLE ROJO



TEKA GRANDIS

### Anodized

#### G8A Silver anod.



G8A Silver anod.



MATE GRATADO



PULIDO REPULIDO

#### G8B Bronze anod.



G8B Bronze anod.



MATE GRATADO



PULIDO REPULIDO

#### G8C Stainless steel anod.



G8C Stainless steel anod.



MATE GRATADO



PULIDO REPULIDO

### Special colours. Top range

#### G6



SPOTTED RED v2



SPOTTED GREEN v2



SPOTTED GREY v2



SPOTTED BROWN v2



H. M. TITANIUM



H. O. SLATE



BRONZE



RAL 9007

#### G9



GREY 900 SABLE



GREY 2900 SABLE



BLACK 100 SABLE



BLACK 2100 SABLE



BLUE 700 SABLE



BROWN 650 SABLE



MARS

+ REST OF COLOURS OF FUTURA CARD

The charts of finishes are for guidance only, because for technical reasons it cannot be guaranteed the accuracy of the printed colours. The anodized materials can show variations of colour scheme due to the nature of the product, always within the current regulations.

## TABLE OF SIZES FOR THE MODELS ALUMIR C

### Light high and general door configuration: dimensions and selection of variables

SPACE OCCUPIED BY THE LINTEL	FRAMING SQUARE (WITHOUT DRAWER)*					ALUMINIUM DRAWER		TWINBOX	
	Ø enr. 270	Ø ENR. 305	Ø ENR. 340	Ø ENR. 375	Ø ENR. 410	MODELO 300	MODELO 400	MODELO 350	MODELO 420
B (MM)	285	320	355	390	425	300	400	350	420
R (MM)	30	30	30	30	30	300	400	350	420
ASSEMBLY MARGIN	FRAMING SQUARE					ALUMINIUM DRAWER		TWINBOX	
C1 (MM)	30					30		30	
C2 (MM)	50					50		50	

Doors between 2 and 4 m light height (H). INFREQUENT RESIDENTIAL AND COMMERCIAL USE. \* Assemblies without drawer, allowed only from H>=2.5 m (regulations).

### Light width and guides: dimensions and selection of variables

GUIDE	39/50 (slight reinforced)	39/75 (reinforced)	90/100 (extra reinforced)
G	39	39	90
J	50	75	100

### Safety: selection of variables

DOOR OPERATION	CONTROL PANEL	APPLIED SAFETY
Pulsation (impulse) Distant or remote control	Control panel JCM / Modelo Verus M8	Photocell + Contact band Radio Sens (+photocell optional)
Maintained contact Worker present Direct sight	Keyboard up - download/ Electric contact lock	Not necessary

### Light high and general door configuration: dimensions and selection of variables

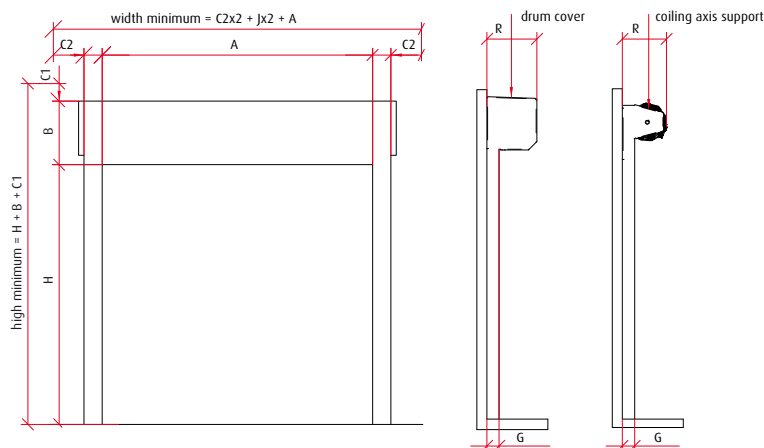
SPACE OCCUPIED BY THE LINTEL		Ø enr. 270	Ø ENR. 305	Ø ENR. 340	Ø ENR. 375	Ø ENR. 410	ALUMINIUM DRAWER		TWINBOX	
							MODEL 300	MODEL 400	MODEL 350	MODEL 420
CONFIGURATIONS	Manual with springs (Drum Ø220)	C80	not applicable	not applicable	2.5m >= H <= 3.2m	3.2m >= H <= 4m	not applicable			
		C100	not applicable	not applicable	2.5m >= H <= 2.8m	2.8m >= H <= 4m	not applicable	not applicable	2m > H <= 4m	not applicable
		C75	not applicable	not applicable	not applicable	2.5m >= H <= 2.8m	2.8m >= H <= 4m			
	Shaft centre pulley motor (Drum Ø220)	C80	not applicable	not applicable	2.5m >= H <= 3.2m	3.2m >= H <= 4m	not applicable	not applicable	2m > H <= 4m	
		C100	not applicable	not applicable	2.5m >= H <= 2.8m	2.8m >= H <= 4m	not applicable		not applicable	2m >= H <= 4m
		C75	not applicable	not applicable	not applicable	2.5m >= H <= 2.8m	2.8m >= H <= 4m			
	Tubular motor (Drum Ø100)	C80	2.5m >= H <= 2.6m	2.6m >= H <= 3.4m	3.4m >= H <= 4m	not applicable	not applicable	2m > H <= 3m	3m > H <= 4m	
		C100	2.5m >= H <= 2.6m	2.6m >= H <= 3.2m	3.2m >= H <= 4m	not applicable	not applicable	2m > H <= 2.7m	2.7m > H <= 4m	2m >= H <= 4m
		C75	not applicable	2.5m >= H <= 2.8m	2.8m >= H <= 4m	not applicable	not applicable	2m > H <= 2.3m	2.3m > H <= 4m	

### Light width and guide: dimensions and selection of variables

GUIDE		39/50 (slight reinforced)	39/75 (reinforced)	90/100 (extra reinforced)
Guide selection by light width (A) or reinforced	C80 SPMV	A <= 2.5m		A < 4.6m*
	C80T/TT	A <= 2.5m		A < 4m*
	C100 SPMV	A <= 2.5m		A < 5.7m**
	C100 T/TT	A <= 2.5m		A < 5m**
	C75	A <= 2.5m		A < 4m***

\*C80 standard or C80 perforated SPMV restricted to 4,6 m light width. C80 T or C80 TT restricted to 4 m.

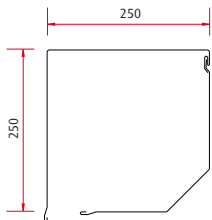
\*\*C100 standard or C100 perforated SPMV restricted to 5,7m light width. C100 T or C100 TT restricted to 5 m. \*\*\*C75 restricted to 4m light width.



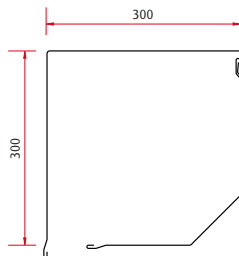


## Drawers options

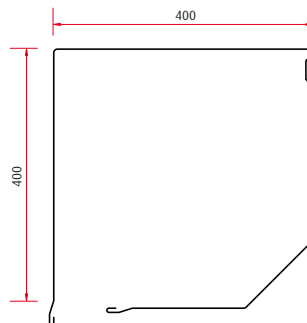
Aluminium 250



Aluminium 300



Aluminium 400



Drawer option with leaning cover.

## OPTION TWINBOX DRAWER WITH GUIDE

**Twinbox is the drawer for aluminium roller shutters** formed only by extrusion profiles, which are linked together by hidden screws.

It is manufactured both for centre shaft motor and tubular motor and has a novel funnel with combined roller and ramp system to guide the slats simultaneously by sliding and rolling, providing a smooth, noiseless and safe operation.

Thanks to its exclusive design, a greater strength is achieved, as well as an easy and quick assembly system that also makes easier maintenance tasks. Twinbox provides a homogeneous finishing through a wide range of options that cover the RAL colours chart, exclusive anodized and wood lacquered. It always includes the Twinbox guide 115 x 105 mm.

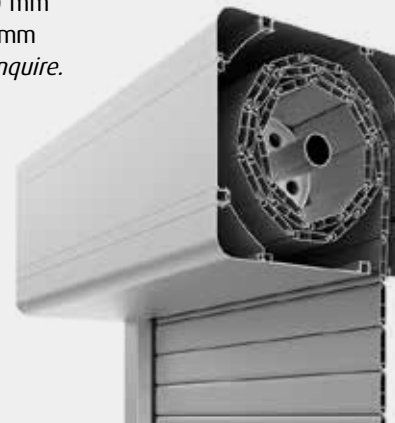
### Maximum dimensions:

**Slat C80:** 4.600 x 4.500 mm

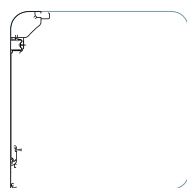
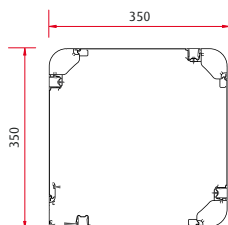
**Slat C100:** 5.000 x 4.500 mm

**Slat C75:** 3.500 x 4.000 mm

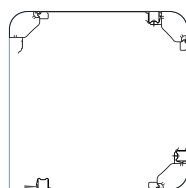
*For other sizes, please enquire.*



TWINBOX 350

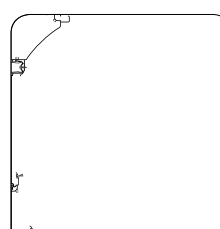
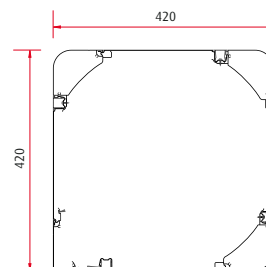


Twinbox 350 1 cap

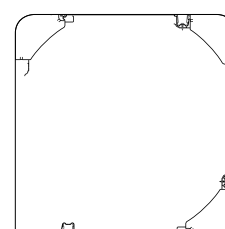


Twinbox 350 3 cap

TWINBOX 420



Twinbox 420 1 cap



Twinbox 420 3 cap

## STEEL ROLLER SHUTTER DOORS

The **steel roller shutter doors and metal grilles** from **Angel Mir** are reliable, innovative and very resistant designs allowing to control the entrance and providing maximum safety of goods and people, and a valued comfort for users without forgetting the aesthetics in the installation, be it a private garage, a commercial premise, a bank or an industrial unit. Different models are available that adapt to the needs of each application. In addition, all rolling doors are certified and comply with current European regulations (EN13241-1).



## Model **ROLLMIR 110**

The best-selling **steel roller shutter door** is the **Rollmir 110** because of its excellent quality/price ratio. Thanks to its exclusive profile of blind blade in galvanized steel, it provides maximum stiffness and meets the highest safety requirements. It can be combined with micro-perforated slats, transparent slats Vision or metal grilles Rollmir Tubular.

Blind slats with an exclusive profile in galvanized steel, 110 mm height and available in four thicknesses 0,6, 0,8, 1 and 1,2 mm according to the dimensions, type of slats or special requirements. Anti-noise taps and anti-tear hooks can be added. On the other hand, the lower slat is reinforced in galvanized steel with 125 mm height and 2.1 mm thickness galvanized or 1.5 mm pre-lacquered.

The operation of the door can be manual (depending on sizes), motorized with possibility of maintained contact, mixed, pulsation or automatic. It has an european cylinder lock with 2 anchoring points in the lower slat.

**Maximum sizes:** up to 10 m. height and 13 m. width.

**Resistance to wind:** until Clase 4 (depending on sizes).

**Option:** pre-lacquered or thermo-lacquered RAL chart colours finishing.

### Finishes

### Option



Galvanized  
Maximum width: 13.500 mm.  
Maximum height: 10.000 mm.  
Max. 80 m<sup>2</sup>



White pre-lacquered  
Maximum width: 10.000 mm.  
Maximum height : 7.000 mm .  
Max. 60 m<sup>2</sup>



Pre-lacquered RAL 7016  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.  
Max. 30 m<sup>2</sup>



Pre-lacquered RAL 9005  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.  
Max. 30 m<sup>2</sup>



Pre-lacquered RAL 8017  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.  
Max. 30 m<sup>2</sup>



Thermo-lacquered more than 180  
colours to choose.

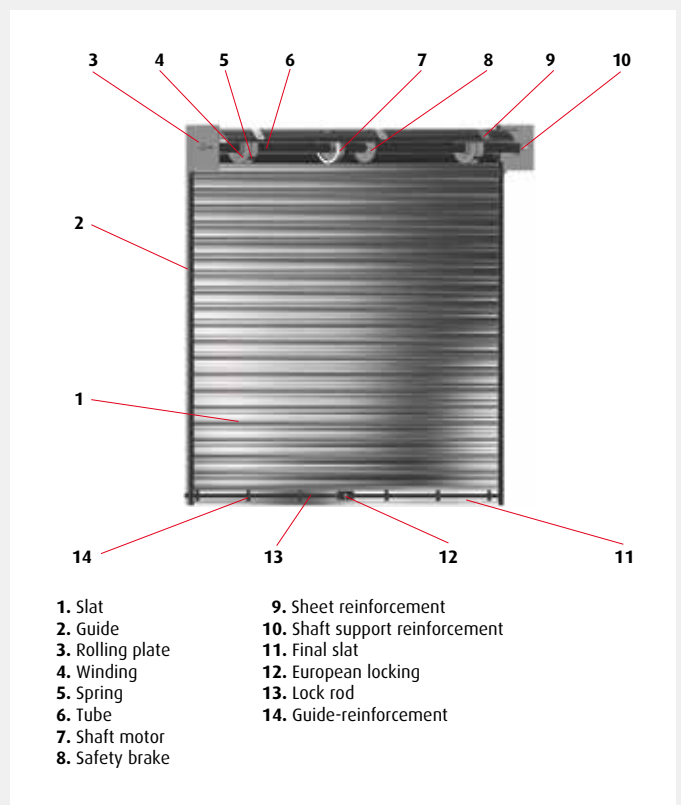
To enquire for other sizes.



Door **Rollmir 110** thermo-lacquered finishing.



Door **Rollmir 110** white pre-lacquered finishing.



Door **Rollmir 110** galvanized and mixed finishing.



# ROLLER SHUTTER DOORS

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ACCESSORIES

ALUMINIUM  
DOORS

**STEEL  
DOORS**

GUIDES,  
MOTORS AND  
ACCESSORIES



Rollmir 110 galvanized roller shutter.



Rollmir 110 pre-lacquered roller shutter.



Rollmir 110 galvanized roller shutter.



Rollmir 110 galvanized roller shutter.

## Model ROLLMIR 47

Due to the small space required, the **steel roller shutter door Rollmir 47** from **Angel Mir®** is the right solution for offices, shops and commercial premises having small entrances.

Sheet manufactured with exclusive galvanized steel profile, slat height 47 mm and thickness 0,6 mm. The lower slat is made in galvanized steel having a slat height of 88 mm and a thickness of 1,5 mm.

The operation of the door can be manual (depending on sizes), with chain, motorized with possibility of maintained contact, mixed, pulsation or automatic. The lock is of round cylinder of 2 anchoring points and includes catches.



**Maximum sizes : 4.000x3.000**

**Maximum surface:** 9 m<sup>2</sup>

**Resistance to wind:** Classe 2

**Option :** thermo-lacquered RAL colours finished.

### Finishes

-  Galvanized  
Maximum width: 4.000 mm.  
Maximum height: 3.000 mm.
-  White pre-lacquered  
Maximum width: 4.000 mm.  
Maximum height: 3.000 mm.

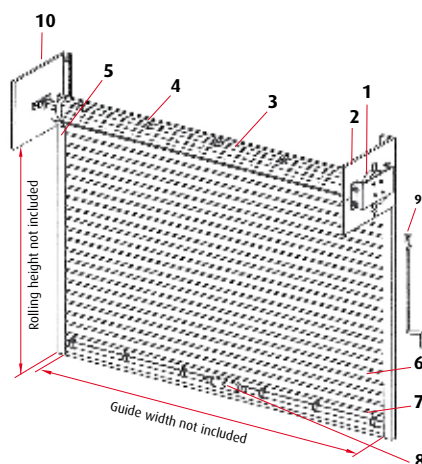
### Option



Thermo-lacquered more than 180 colours to choose.

To enquire for other sizes.

1. Winch or motor
2. Rolling plate
3. Tube
4. Slat reinforcement
5. Guide
6. Slat
7. Final slat
8. Round lock
9. Crank for winch or emergency motor
10. Side safety brake opposite motor



Rollmir 47 thermo-lacquered roller shutter.

## Model **ROLLMIR 110 MICRO**

**Rollmir 110 Micro** from **Angel Mir®** is the model of steel roller shutter door with micro-perforated slat, which provides a better visibility of the show window and air circulation, without losing the safety properties of the Rollmir 110 model. Especially suitable for shops at street level, galleries or commercial premises, it can be combined with Rollmir 110 solid slats.

Micro-perforated slats in galvanized steel with 33% of grille, 110 mm height and available in three thicknesses of 0.6, 0.8 and 1 mm depending on the sizes, type of slats or special requirements. It can incorporate anti-noise taps or anti-tear hooks. On the other hand, the lower slat is reinforced in galvanized steel with 125 mm height and a thickness of 2 mm galvanized or 1.5 mm pre-lacquered.

The operation of the door can be manual (depending on sizes), motorized with possibility of maintained contact, mixed, pulsation or automatic. It has an european cylinder lock with 2 anchoring points in the lower slat.

**Maximum sizes:** 12.000 x 7.000

**Resistance to wind:** until Clase 2.

**Option:** pre-lacquered finishing.

### Finishes



Galvanized  
Maximum width: 10.000 mm.  
Maximum height: 7.000 mm.  
Max. 80 m<sup>2</sup>



Thermo-lacquered more than 180 colours to choose.

To enquire for other sizes.

### Option



White pre-lacquered  
Maximum width: 10.000 mm.  
Maximum height: 7.000 mm.  
Max. 60 m<sup>2</sup>



Pre-lacquered RAL 7016  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.  
Max. 30 m<sup>2</sup>



Pre-lacquered RAL 9005  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.  
Max. 30 m<sup>2</sup>



Door **Rollmir 110** micro-perforated pre-lacquered.



Door **Rollmir 110** micro-perforated.



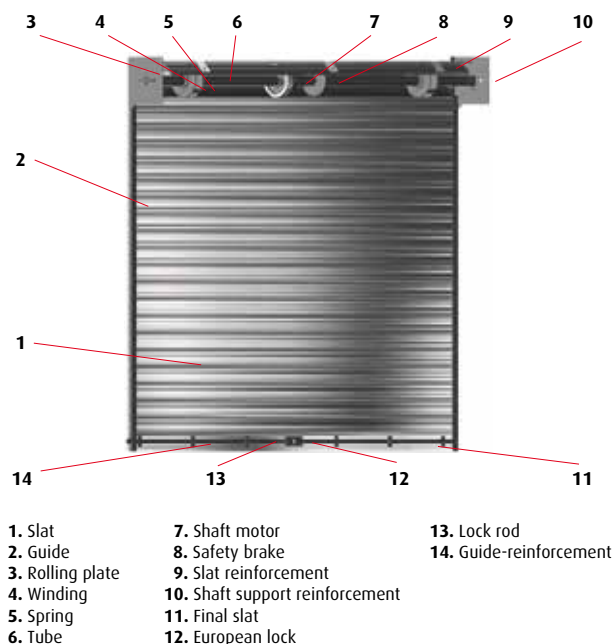
Detail of micro-perforated slat.



Door **Rollmir 110** micro.



**Rollmir 110** Micro interior view.



## Model **ROLLMIR VISION**

**Maximum vision!** With the transparent slats of the steel roller shutter **Rollmir Vision** from **Angel Mir®** the entrance of natural light indoors is helped, maintaining a strict security. It is a perfect door to aesthetically highlight shop windows or showrooms both day and night. Possibility to combine with solid slats of model Rollmir 110.

100% transparent slats with anti-UV treatment, mounted in quincunx and assembled among them with anodized aluminium tubes 16 mm diameter. Three blind galvanized steel slats and a slat height of 110 mm. On the other hand, the lower slat is reinforced with galvanized steel 125 mm height and a thickness of 2 mm galvanized or 1.5 mm pre-lacquered.

The operation of the door can be manual (depending on sizes), motorized with possibility of maintained contact, mixed, pulsation or automatic. It has an european cylinder lock with 2 anchoring points in the lower slat.

**Maximum sizes:** 8.200 x 5.000

**Resistance to fire:** M2

**Resistance to wind:** until Clase 4 depending on sizes and options.

**Option :** pre-lacquered or thermo-lacquered.



Roller Shutter Doors **Rollmir Vision**.



Mixed door **Vision** and **Rollmir 110**.



Door **Rollmir Vision**.

### Finishes



Galvanized  
Maximum width: 8.200 mm.  
Maximum height: 5.000 mm.

### Option



White pre-lacquered  
Maximum width: 8.200 mm.  
Maximum height: 5.000 mm.



Pre-lacquered RAL 7016  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.



Pre-lacquered RAL 9005  
Maximum width: 6.000 mm.  
Maximum height: 5.000 mm.



Pre-lacquered RAL 8017  
Maximum width 6.000 mm.  
Maximum height: 5.000 mm.



Thermo-lacquered more than 180 colours to choose.

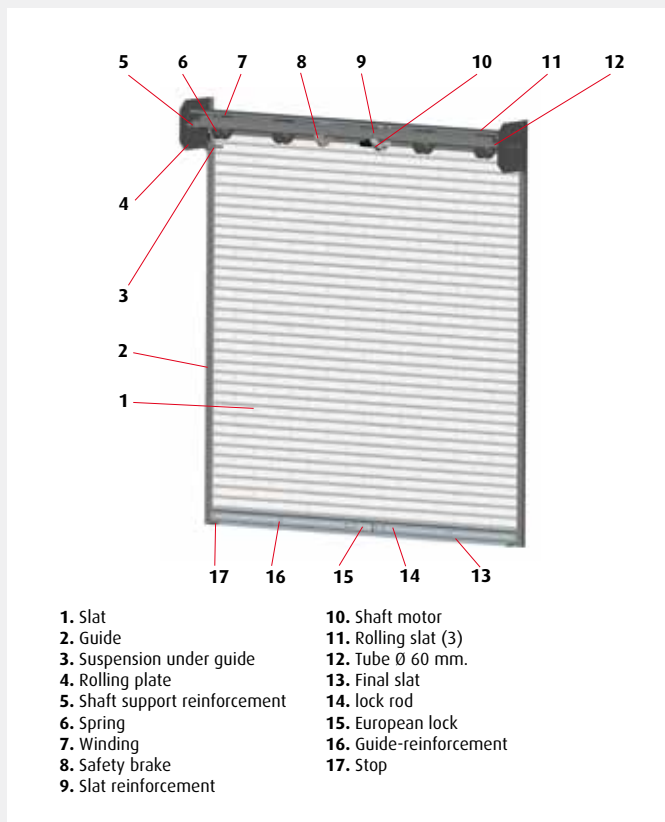
To enquire for other sizes.



Detail transparent slat **Rollmir Vision**.



Mixed rolling door **Vision** y **Rollmir 110** pre-lacquered.





## Model **ROLLMIR PROTECT 1627**

### The most secure steel rolling door against theft!

**Rollmir Protect** from **Angel Mir®** is designed to guarantee maximum anti-theft resistance and to comply with the safety regulation EN-1627 class CR3.

The door slats are manufactured with an exclusive galvanized steel profile of 275 g/m<sup>2</sup>, 1,2 m thickness and 110 height of slat. Includes anti-extraction connectors.

On the other hand, the lower slat is reinforced in galvanized steel 125 mm height, the 50 x 25 mm reinforcing corner in galvanized steel of 2.8 mm and a thickness of 2 mm. The safety guides are in galvanized steel 80x50 mm with a thickness of 3 mm and a welded reinforcement of 10 mm thickness.

The operation of the door can be manual (depending on sizes) or motorized with possibility of maintained contact, mixed, pulsation or automatic. It has a lock with VAK cylinder with 2 anchoring points in the lower slat. Reinforced rods and bars of guides. Possibility of reinforced lock with anchoring to ground.

**Maximum sizes:** 1.330 x 1.610 mm

**Resistance to wind:** Clase 4. Enquiry for Class 5.

### Finishes



Galvanized

### Option



Thermo-lacquered more than 180 colours to choose.



Detail guide **G80**.



Detail of 1,2 mm thickness slat.



Impregnable blockage.



VAK cylinder lock.



Reinforcement in the guides.



Reinforcement with anchoring to the ground.



**Rollmir Protect** roller shutter thermo-lacquered orange RAL colour.

## Model **ROLLMIR BOX**

### The door for storage rooms and warehouses!

The **steel roller shutter door Rollmir Box** from **Angel Mir®** is a reliable and economical model intended for storage rooms and box storage spaces in secure enclosures. The double lock including an external padlock is very easy for both the tenant, ensuring the safety of his belongings, and for the owner who controls the access.

Blind slats manufactured with an exclusive galvanized steel, 110 mm height and available in two thicknesses 0,6 and 0,8 mm according to the dimensions, type of slats or special requirements. Anti-noise taps and anti-tear hooks can be added.

On the other hand, the lower slat is reinforced in galvanized steel with 125 mm height and 2 mm thickness galvanized or 1.5 mm pre-lacquered. Includes 2 reinforced stops in galvanized steel and chromed steel handle.

The door operates manually. The locking consists of two Box locks and blockage with padlocks (2 per bolt).

#### Possible sizes:

1.000x2.000 / 1.500x2.000 / 2.000x2.000 / 2.500x3.000 mm.

**Resistance to wind:** until Clase 3 depending on sizes.

**Option:** pre-lacquered or thermo-lacquered.

#### Finishes

#### Option



Galvanized



White pre-lacquered



Pre-lacquered RAL 7016



Pre-lacquered RAL 9005



Pre-lacquered RAL 8017



Thermo-lacquered more than 180 colours to choose.

To enquire for other sizes.



Doors **Rollmir Box** in storage rooms company.



Door **Rollmir Box** lacquered RAL 8017.



Detail of the chromed steel handle.



Locking with double padlock and lock.

## Model **ROLLMIR TUBULAR**

The roller shutter door of steel tube or rod **Rollmir Tubular** from **Angel Mir®** is ideal for commercial premises, shops and business willing to show their shop window and, at the same time, to ensure an effective protection. It has a shell-like shape and can be combined with solid slats of model Rollmir 110.

Roller shutter of corrugated tubes of 14 mm diameter in galvanized steel joined by special double-reinforced staples in galvanized steel. Three solid rolling slats in galvanized steel 110 mm height. For its part, the lower slat is reinforced in galvanized steel 125 mm height and 2 mm thickness galvanized or 1.5 mm pre-lacquered.

The operation of the door can be manual (depending on sizes) or motorized with possibility of maintained contact, mixed, pulsation or automatic. It has an european cylinder lock with 2 anchoring points with covers integrated in the lower slat.

**Maximum sizes:** 12.100 x 8.000 mm

**Option:** End slat finish in thermo-lacquered.

### Finishes



galvanized

### End slat option



Thermo-lacquered more than 180 colours to choose.



Rod door **Rollmir Tubular**.



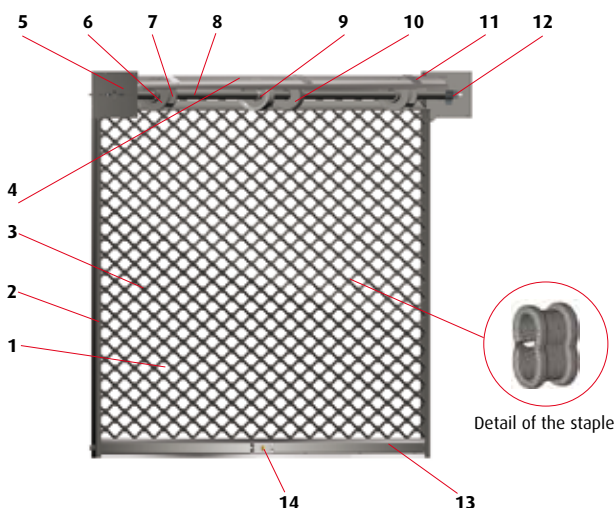
Detail of shell-like rod.



Mixed door **Rollmir Tubular** and **Rollmir 110** galvanized.



Mixed door **Rollmir Tubular** and **Rollmir 110** galvanized.



1. Slat
2. Guide
3. Reinforced staples
4. Rolling slats
5. Rolling plate
6. Winding
7. Spring
8. Tube
9. Shaft motor
10. Safety brake
11. Slat reinforcement
12. Shaft support reinforcement
13. Final slat with 2 mm hidden rod.
14. European lock

Detail of the staple



## Model PLEMIR

### It adapts to all situations!

The **steel scissor door Plemir** from **Angel Mir®** provides a perfect solution for places with reduced space. It is a folding and sliding metal grille easy to install that allows to protect commercial premises (restaurants, stores, shops, bars, etc.) and also take advantage of the window display.

Scissor door of 1 or 2 sheets fixed or sliding on a lower guide that can be permanent, pull-up or removable (maximum 7 m<sup>2</sup> per sheet). U-shaped vertical bars joined together by articulated crossbars. Set of the galvanized steel sheet mm thickness.

The operation of the door is manual. Two-points anchoring lock with option of armoured padlock.

**Maximum sizes:** 10.000 (3.500 per blade) x 3.000 mm.

### Finishes

galvanized



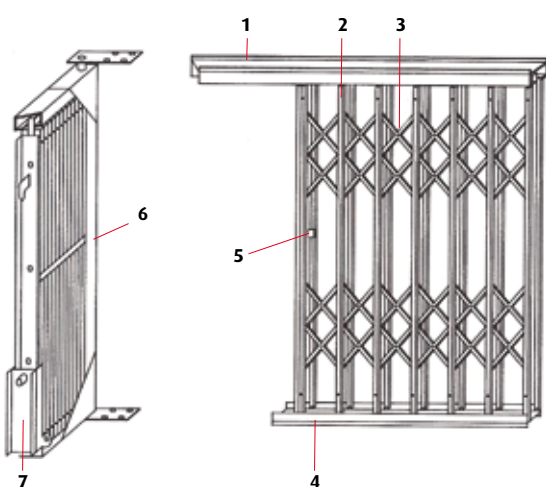
Metal grille **Plemir** in commercial premises.



Scissor door **Plemir** with lacquered finishing.



Detail of the steel scissor door.



- 1. Upper rail
- 2. Thick bar
- 3. Crosshead
- 4. Lower rail

- 5. Lock
- 6. Locking post (optional)
- 7. Pull-up rail (optional)



Metal grille **Plemir**.

# ROLLER SHUTTER DOORS

THE RANGE  
OF DOORS

CARACT.  
BY MODEL

INSULATING  
DOORS

WITHOUT  
INSULATION  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

ALUMINIUM  
DOORS

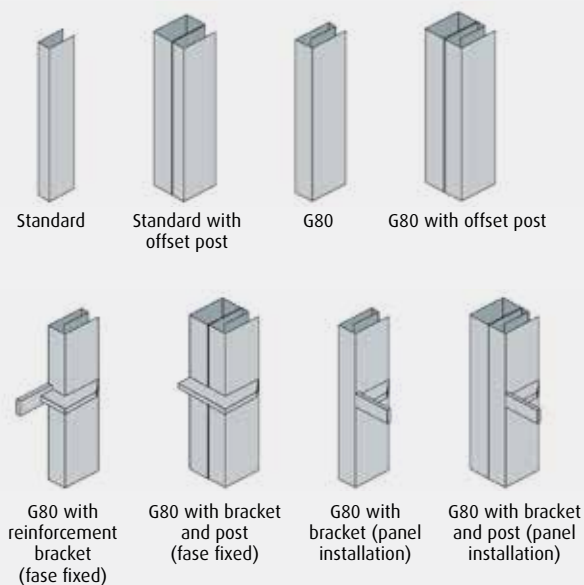
STEEL  
DOORS

GUIDES,  
MOTORS AND  
ACCESSORIES

## GUIDES

Types of guides		COMPATIBLE WITH THE MODELS	RESISTANCE TO WIND CLASSES
	40 x 20 x 40	Rollmir 47	2
Standard steel guide	40 x 30 x 40	Rollmir 110 Rollmir Box Rollmir Tubular	From 2 to 4 except Rollmir Tubular
	60 x 30 x 60	Rollmir 110 Rollmir Box Rollmir Vision Rollmir Tubular	From 2 to 4 except Rollmir Tubular
	80 x 30 x 80	Rollmir 110 Rollmir Vision Rollmir Tubular	From 2 to 4 except Rollmir Tubular
	100 x 30 x 100	Rollmir Vision	1
Steel guide G80	80 x 50 x 80	Rollmir Protect 1627 Rollmir 110	From 2 to 4
Aluminium guide Mirtherm IST	G105: 117 x 52,5	MIRTHERM IST	From 2 to 5
	G135: 130 x 82	MIRTHERM IST	From 2 to 5

Only for Rollmir 110, Rollmir 47, Rollmir Vision  
and Rollmir Tubular models



(1) Width including guides

(2) Drum high not included

Colours are not contractual and must be validated on a RAL card.

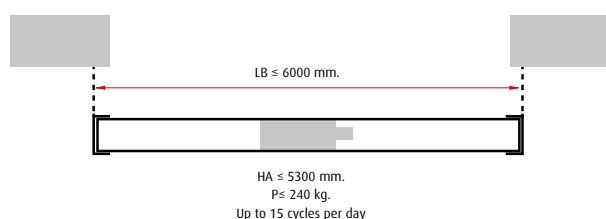
## MOTORIZATIONS

The type of motorization is defined according to the sizes and the number of daily cycles. Please, previously enquire.

### Shaft motor



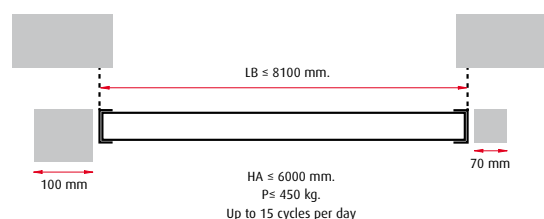
Shaft motor placed at shaft centre with springs.



### Tubular motor



Gear motor placed at the end of the shaft.



## ACCESSORIES

### Card reader

Integrated access control created for the safety and comfort of operators using the metal rolling doors.

- No key reproduction or code change.
- Vandalism of the reader without incident.
- Recovered confidence thanks to the identification of each user.



### Wireless opening Easy 1 & 2

Maintained or mixed contact without additional security.



Switch  
Wireless



Switch  
Numeric



Remote control 2 functions  
maintained contact



Easy 1



Easy 2

### Other accessories



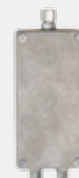
Remote control



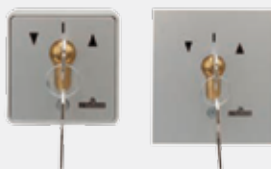
Numeric keyboard



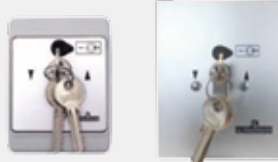
Securinox unlocking box with  
tubular or european cylinder



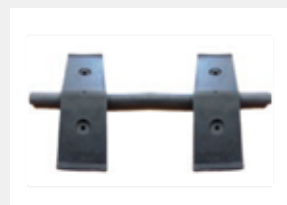
Double unlocking box



Selector with keys  
on wall or to install



Unlocking key box  
on wall or to install



Detector tube



Keyboard with tilting pushbuttons on  
wall or to install



Pushbuttons on wall



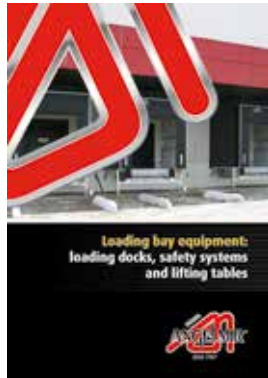
Magnetic field



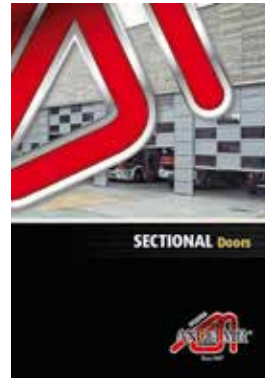
For further information, see our single product catalogues:



General Catalogue  
Industrial doors and loading bay  
equipment



Loading bay equipment:  
loading docks, safety systems and  
lifting tables



Sectional Doors



Speed Doors

## Industrial doors and loading bay equipment



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BARCELONA (Spain)  
**Tel.: (34) 972 640 620**  
**Fax: (34) 972 642 451**

info@angelmir.com  
**www.angelmir.com**

**We are present in more than 50 countries**  
EUROPE, AFRICA, LATIN AMERICA, MIDDLE EAST

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