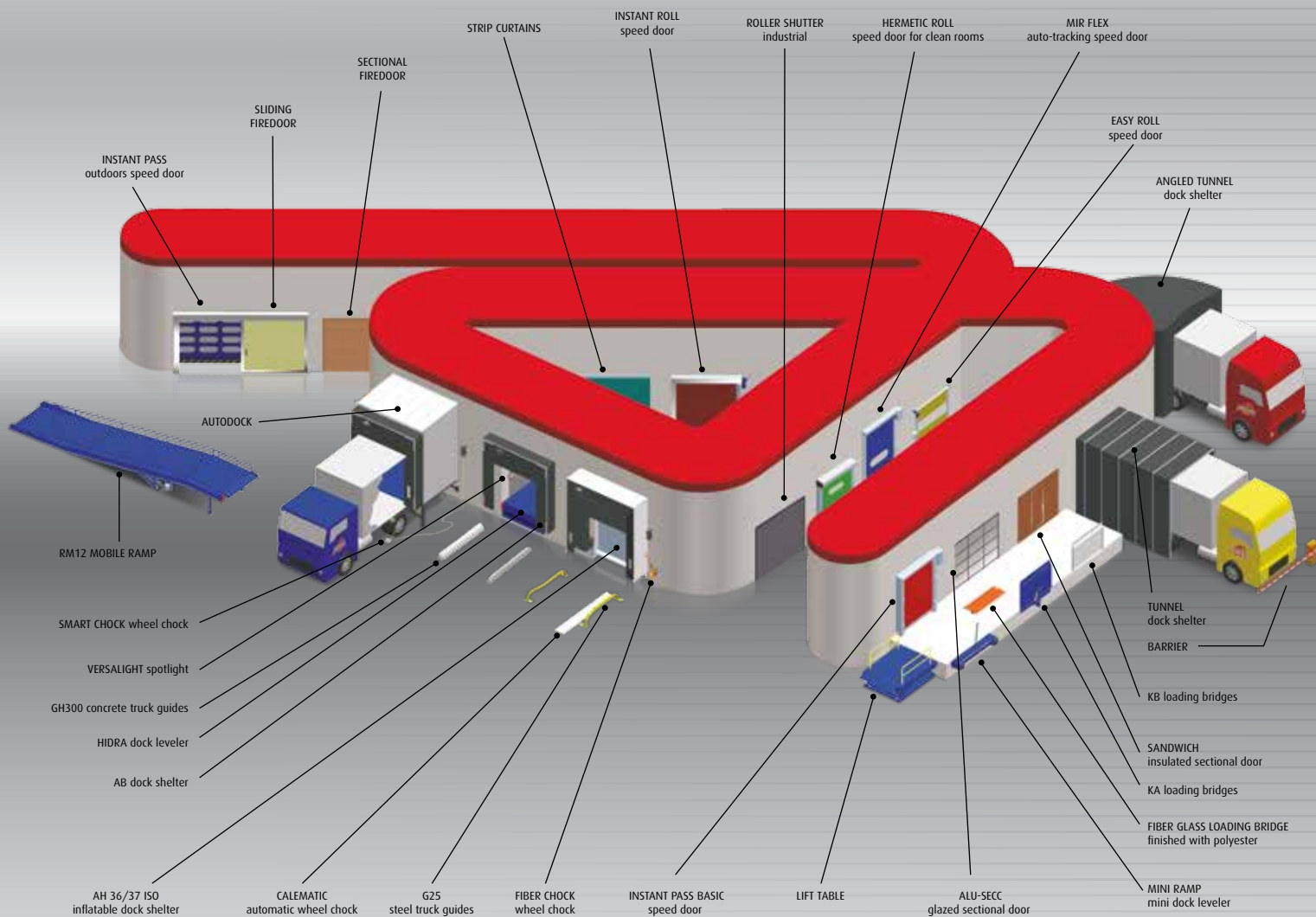




GENERAL CATALOGUE
Industrial doors and loading bay equipment



30 instant-pass®
years on the market



EXPORTING OVER 50 COUNTRIES SINCE 1967

www.angelmir.com

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The passion for the work well done, is the key of the Angel Mir growth.

We are manufacturers with almost 50 years experience in industrial equipment for access management and logistics. We have developed special doors that are references within the industry. Patented systems, with own identity, have been created from our will to meet our customer's demands.

All custom made solutions are developed to resolve technical, operational, secure and aesthetical requirements.

Ángel Mir
President



Angel Mir factories
with over 22.000 m²

www.angelmir.com



Energy efficiency

Some products of Angel Mir have been designed to provide significant energy efficiency and reducing consumption of resources.

With our experience, we support and help our customers to carry out the projects with 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 almost 50 years, Angel Mir has always counted on local and European suppliers that provide the best raw materials, in order to achieve the best performance of its loading bay equipments and durability.

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GRAND PASS

Designed specifically for exceptionally large openings. The door leaf is made of a series of double skin panels made of PVC canvas. The horizontal reinforcements are made of extruded aluminum. The side legs and platform are made of galvanized steel reinforced to withstand any specified wind load. Very large openings can be closed by combining several doors with a removable frame between and can be raised and lowered by a separate mechanism to the motor on the door leaves.

Dimensions and particular features to be determined and advised according to each individual technical project.



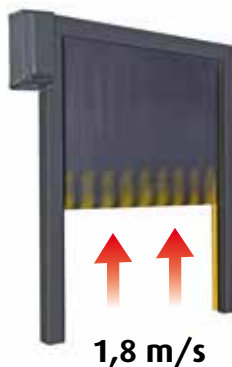
INSTANT PASS

Angel Mir's flagship since 1983, designed to support different weather conditions, windproof due to its reinforcement bars, and rainproof because of its waterproof materials and sealed elements. Curtain PVC 950g/m². Security system based on Safety edge or Photocell screen. The ideal door for industrial areas, warehouses, car dealerships, hangars, auto car wash...

Maximum dimensions: 9,000 x 7,000 mm.

Available in Stainless Steel AISI304 and AISI316. ATEX features.

30 instant-pass®
years on the market



INSTANT PASS PREMIUM The fastest fold up door

This is the premium version of the original Instant Pass, gradually varying its speed up to 1,8 m/s along the opening and closing processes because of its built-in frequency inverter. PVC and polyurethane vertical sealing against air movement when the door remains closed, and against noise when it is working. Control box made of ABS thermoplastic, and the most optimized security system based on a photocell screen.

Maximum dimensions: 5,000 x 5,000 mm.



INSTANT PASS BASIC / OPTION MODEL ECO

Fold Up model with self-supporting structure in galvanized steel. The door leaf, made of PVC canvas is equipped with composite transversal reinforcement tubes, which provides the necessary resistance to withstand outdoor conditions. Adaptability to almost any opening. For dimensions off standard, prices available on request.

Optionally available in Stainless Steel AISI-304 / 316.

Also available optionally, for ATEX applications with certification issued by notified organism.

Maximum dimensions Instant Pass Basic: 6.000 x 6.000 mm.

Maximum dimensions Instant Pass ECO: 5.000 x 6.000 mm.



INSTANT PASS ISO for Cold Room (-25°)

Fold Up speed door specially designed for cold room and humid environments. The INSTANT PASS ISO is manufactured with stainless steel and can be installed in environments where hygiene is important, as for instance the food processing industry. Its architecture and equipment allows for the doors to be cleaned with disinfection products. The curtain has a double skin with a layer of polyurethane foam in between. The side legs are fitted with special brushes to provide a better sealing effect.

Maximum dimensions: 4,000 x 4,000 mm.

Optionally available in stainless steel AISI-216.

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INSTANT ROLL

Designed primarily for indoor use where air or wind pressure is minimal or infrequent. Self supporting powder coated steel framework. The curtain is fitted with horizontal reinforcements to provide resistance to some air movement. Ideal for any building that requires areas to be isolated for energy, health and safety or traffic flow control reasons, i.e. supermarkets, laboratories, manufacturing, factories...

Maximum dimensions: 5,000 x 5,000 mm.

Optionally available in stainless steel AISI-304 / 316 Option: Emergency opening with spring system. **Also available optionally, for ATEX applications with certification issued by notified organism.**



INSTANT ROLL ECO

Roll Up speed door model, for indoor applications only as it support little windload. Self supporting structure, with two side legs powder coated white similar to RAL 9002 and also fitted with brushes for a better sealing effect. PVC curtain of 950 g/m². Optionally the door can be manufactured in stainless steel. Emergency opening with hand chain. Motor 380V/III. Ideal for opening between buildings, supermarkets, shops...

Maximum dimensions: 4,500 x 4,500 mm.

Optionally available in stainless steel AISI-304 / 316.

Also available optionally, for ATEX applications with certification issued by notified organism.



EASY-ROLL

The Easy-Roll fast door is the suitable one for inner holes and to divide different atmospheres with low pressure drafts and reduced access lights (up to 3m. width). It is the ideal one to replace the awkward layered curtains and P.V.C. swing doors. The construction of the outside frame has been simplified and is formed by a couple of white lacquered sheet side guides which bear the aluminum shaft where the curtain is rolled up. This structure system needs a solid fixing.

Maximum dimensions: 3,000 x 3,500 mm.



MIRFLEX Auto Tracking

It is a roller door for average size spaces, ideal for separating different atmospheres and passages in warehouses, store rooms, shops or storage rooms with positive temperatures. The aluminium trunk runners, reinforced for a supporting structure in galvanised steel sheets and pre-lacquered in white, are very small and take up very little space in the light shaft. The lateral bands or the lintel do not require a lot of space. It has adjustable speed from a control panel. Resistant to moderate drafts and the curtain has a flexible reinforcement system that comes from the trunk runners when they receive a strong impact and which ensures that they return to the rails again when the door lifts. A PVC sheet curtain 950 g/m². The system is bidirectional and requires 40mm for the light measurement on each side. **Maximum dimensions:** 3,300 x 3,500 mm.

Optional ATEX applications zone 2 (Explosive Atmospheres), according to the official laboratory certification. Optional: Stainless steel AISI-304/316. **Optional:** emergency opening with spring.



MIRFLEX ECO Auto Tracking

It is a roller door for average size spaces, ideal for separating different atmospheres and passages in warehouses, store rooms or shops. The supporting structures and trunk runners can be anodised aluminium or standard painted (white or grey RAL 7016), are very small and take up very little space in the light shaft. The lateral bands or the lintel do not require a lot of space. Resistant to moderate drafts and the curtain has a flexible reinforcement system that comes from the trunk runners when they receive a strong impact and which ensures that they return to the rails again when the door lifts. A PVC sheet curtain 950 g/m². The system is bidirectional and requires 40mm for the light measurement on each side.

Maximum dimensions: 3,300 x 3,500. **Optional:** Stainless steel AISI-304.



MIRFLEX ZIP Auto Tracking

Rolling speed door framed in aluminum and stainless steel. Curtain driven with a special zip in both sides to resist medium air pressures, and at the same time auto-tracking when the curtain leaves the guides due to the impacts. The ideal door for warehouses, supermarkets, separations between different spaces.

Maximum dimensions: 4,500 x 4,500 mm.



HERMETIC ROLL for Clean Room

Rolling speed door designed for pressurized environments (clean rooms) and to be dust-tight. Special side guides to support pressure differences. Curtain made of PVC very flexible longitudinally and very rigid in the opposite direction, avoiding the necessity of having reinforcement bars and obtaining a more optimized door. Vision panels available.

Maximum dimensions: 3,000 x 3,500 mm.



INSTANT PROTECT

Rolling speed door specially designed to separate robotized cells or accesses to machines. Resistant to air movements and mild impacts. Structure made for demanding environments, curtain made of PVC very flexible longitudinally and very rigid in the opposite direction. Special vision panels available, for welding areas for example. Security system based on a photocell screen.

Maximum dimensions: 3,500 x 3,500 mm.

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SANDWICH

The sandwich sectional doors are the ideal equipment to save energy and to have a perfect locking to keep the air conditioning inside warehouses. Thickness: 40mm. Sheet thickness: 0.5mm. Available width: 500 mm and 610 mm. The boards are manufactured with two galvanized steel sheets and a pre-lacquering highly resistant to rusting. In the space between them, we inject high density polyurethane foam in order to obtain a high level of thermal and acoustic insulation, as well as a great mechanical resistance. The boards can be manufactured with a different thickness: from 40 to 80mm according to the insulation needs. The 80mm thickness boards are addressed to sectional doors for freezers. The water/air tightness between boards is obtained by elastic polyurethane joints. **Maximum dimensions:** 9,000 x 8,000 mm.



ALU-SECC

Sectional doors design and functionality. Door leaf made of panels built with aluminum profiles. Standard glasses with compact polycarbonate, and optional combination of sandwich panels and cellular polycarbonate. Glasses sealed with rubbers. High transparency and brightness.

Maximum dimensions: 9,000 x 8,000 mm.



ALU-MIX

Sectional door manufactured with standard sandwich panels and with aluminum profile panels. The standard material used is polycarbonate. It is possible to achieve a configuration where both sandwich panels and aluminum glazed panels are combined for better visibility and design.

Maximum dimensions: 9,000 x 8,000 mm.



EI-SECC HIDRA SECTIONAL FIREDOOR (60'/90'/120')

Fire proof sectional door in three different versions. Different elevations depending on the available space. Engineered with an electro hydraulic engine, and in case of fire, it slides down by force of gravity down to the floor. Intumescent sealing, maze and other materials that work together to avoid the flame-passing, smoke and gases during the required time: 60 minutes, 90 minutes and 120 minutes.

Ideal for theatres, lifts, parkings, conveyor belts, logistic warehouses... Big range of colors and optional in stainless steel.

Maximum dimensions: 6,000 x 5,000 mm.



FIRE RETARDANT SLIDING DOOR, rated from EI-60' to EI-180'

Fire sliding doors made of several panels, suspended from a rail. All doors are equipped with a counterweight system to provide an automatic closing in case of fire alarm. Certified according to EN 1634-1 and UNE-23-802-79.

Optionally available in stainless steel AISI-304 / 316.

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MIRTHERM THB

NEW

With the desire to keep improving and delivering the best products, Angel Mir has worldwide patented the new Mirtherm; the first roll-up, thermal, speed and silent door. It is the only fully insulated and soundless door in the world, creating a completely new concept of roll-ups models. This is possible thanks to its special slats injected with high density polyurethane foam in the centre. Traditionally, slats contact each other with steel or aluminium parts; with the Mirtherm we obtain thermal bridge break as the contact is made with last generation ABS engineering plastics. These features make the Mirtherm an ideal door for countries with extreme climates, both high and low temperatures. In order to maximize the natural light and reduce electricity consumption, the slats can be transparent or incorporate windows and/or grilles. One of the main features of the Mirtherm is its quietness. Blades move smoothly between the guides thanks to the engineering plastic used in the hinge points and in the friction areas.

This rolling door is **designed for heavy industrial use**, complying with European Standards and adding on numerous security systems:

- Movement and anti-crush system: Photo-cell screen.
- Irreversible motor: for manual operation shall be operated by crank or chain.
- Parachute: in motor.

Also, customers can select their finishing touch: guides (galvanized steel or aluminium), leaves (optional laths with acrylic material windows), motor (can be protected with a plastic cover) and door (different colours available).

Maximum dimensions: 5.000 x 5.000 mm.



ALUMIR SF

Alumir SF is manufactured with a single blade of aluminum extrusion that provides lightness and functionality and a minimum insulation. It is a roller shutter of high quality, resistant to impacts and also the perfect locking for limited locations. Its finishing is beige, anodized or painted. It allows as well the option to add methacrylate bands for having windows. **Optional:** micro-perforated slat (Alumir SF-MP) or die-cut slat (Alumir SF-T).

ALUMIR DF

Roller shutters for being used either inward or outward that offers notable insulation. As the blades that make up this shutter are double and reinforced with extruded aluminum, so they provide more insulation than Alumir SF. The locking of the rolling doors Alumir DF is reliable, efficient, and secure. As well, they have a modern design that allows the inclusion of spyholes and to have simultaneously several finishing.

MIRTHERM IST

Designed for a general industrial use, Mirtherm is also manufactured without a breaking system of thermal bridge. Perfect for limited holes, it is high efficiency and steady door. It operates very quietly thanks to the materials used in the places where there is friction against the guides allows the blade to move very smoothly between them. Mirtherm has no elements liable to frequent wear, such as cables or springs, it is virtually maintenance-free. The standard slats are made with galvanized steel but they are available in painted aluminum.



RAL 9016
White



RAL 9006
Grey



RAL 7016
Grey



RAL 5010
Blue



RAL 3000
Red



Detail of guide sealing.



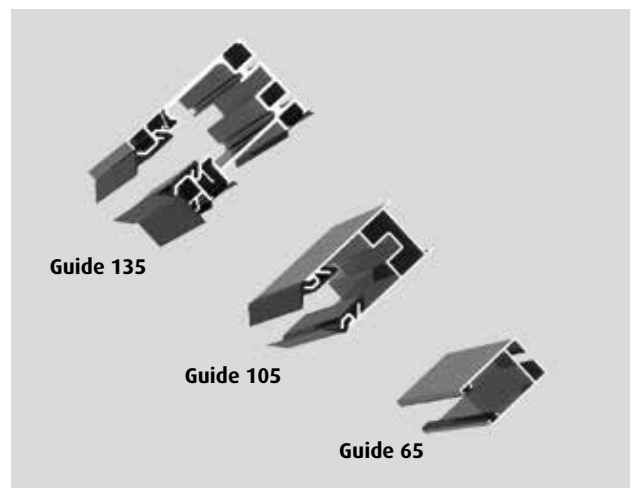
Hidden wiring.



Bottom seal and Omega strut.



View of light barrier.





HIDRA dock leveler. Hydraulic system & swing lip

The Hidra model is equipped with an hydraulic system that allows the automatic control of all the movements. Structure designed to support a dynamic load of 6 Tn which corresponds to a static load of 9 Tn. It allows a warping of ± 100 mm. to adapt to unlevelings caused by use. The upper sheet of the non-sliding, teared, surface plate has a thickness of 6-6 mm. Loading beams or rectangular outlines manufactured with a high resistant sheet. The sheet of the non-sliding, teared, surface edge has a thickness of 13-15 mm. **Optionally available in stainless steel AISI-304 / hot deep galvanized / Mixed galvanized-stainless steel.**

Hidra N: New 450mm extended lip for a better connection truck-dock leveler / Two cylinders to have a better stability / Frontal hydraulic group for an easier and safer maintenance / IPN profile beams to make sure the platform capacity / Self cleaning hinges / Polyester powder coated in High temperatures for a better protection.



TELESCO dock leveler. Hydraulic system & telescopic lip

The Telesco model stands out from its telescopic edge, ideal in situations where there is a need of a higher thermal insulation. It allows the closing of the sectional door at the front of the platform and it remains inside the warehouse avoiding temperature loss, dirt entry, dust, animals, etc. Structure designed to support a dynamic load of 6 Tn which corresponds to a static load of 9 Tn. It allows a warping of ± 100 mm. to adapt to unlevelings caused by its use. The upper sheet of the non-sliding, teared, surface plate has a thickness of 6-8 mm. Loading beams or rectangular outlines manufactured with a high resistant sheet. The sheet of the non-sliding, teared, surface edge has a thickness of 13-15 mm. **Optionally available in stainless steel AISI-304 / hot deep galvanized / Mixed galvanized-stainless steel.**



DOCKLIFT

Docklift is a combined system, comprised of a lifting table and a levelling ramp, for use in a loading dock. It allows for the collective or independent use of each separate element, offering great flexibility when loading or unloading goods. Working as a levelling ramp, it compensates the difference in height between the loading dock and the vehicle. Working as a lifting table, it can be used as a platform to lift up and lower down maintenance vehicles in areas with different surface levels or decks; or to lift and lower vehicles onto heights impossible to reach with the levelling ramp. Thus, you can load this equipment with forklifts or pallet jacks (either electric or manual), flexibly adjusting its capacities to your multiple needs and circumstances.



LIFT TABLE for loading bays

Used in docks for loading and unloading of vehicles. The loading platform compensates the level difference between the vehicle and the static loading dock. Mainly designed for outdoors use in extremely difficult environmental conditions.

Capacity: up to 10,000 kg.

Lifting Career: 1600-2000 mm.

Option: loading flap.

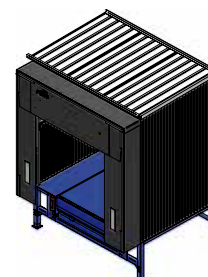
Option: rail guards.



Self-supporting bench B2 model
without hatch and with handrails (Optional hatch)



Self-supporting bench B2 ECO model
with dock box



INDUSTRIAL DOORS

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AB Dock shelter

Avoids the ingress of smokes, emanations and air drafts. Aves energy and is adaptable to all models of vehicles. Made of dual woven impregnated in PVC. This equipment is the ideal complement for your loading dock.



ASS Dock shelter

Without metallic framing, neither hinges, it makes an almost indestructible dock shelter. Sides made of 100 mm. flexible foam covered with PVC fabric. Self-adjustment Superior platform, specially designed for high-traffic docks.



AC Adjustable shelter

It is the unavoidable complement for cold application. Avoids the ingress of smokes, emanations and air drafts whilst saving energy and providing a high level of tightness. Made of foam covered with reinforced PVC.



AH ECO Inflatable shelter

It has the same characteristics of AH ISO model but without side rigid walls. The top and side cushions, manufactured from waterproof polyamide fabric coated with polyurethane, are extremely resistant to wear.

Dimensions: 3,400 wide by 3,900 high.



AH ISO Inflatable shelter

It is the most adaptable, effective and lasting for sealing between the truck and the loading dock. With technology of inflatable cushions which allows to adapt to vehicles of different sizes achieving an effective seal avoiding to keep the temperature on both sides. Keeps out dust, insects, gases. Side walls are made in Sandwich panel with anti blow angle at the bottom part. Front edge of polyester fabric impregnated with PVC of 3 mm.

Dimensions: 3,600 width by 3,700 height.



ISOPERFECT PLUS model includes the new sealing cushion AH 4BAGS

Isoperfect Plus includes AH 4BAGS at below. This inflatable dock shelter seals completely all around the truck with high insulation. It also represents a significant reduction in energy costs and greatly saving energy costs.

Detail of fourth cushion.

Bumpers (protects from accidental bumps)



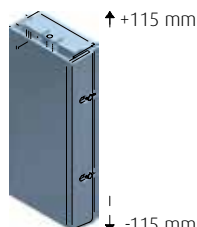
TM 500.150

500 x 135 x 120 mm.



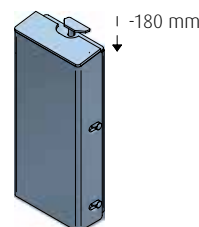
TM 500.300

500 x 300 x 120 mm.



TM 500 M mobile

450 x 250 x 130



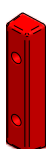
TM 500 P (Isoperfect) retractile with pedal

450 x 250 x 130 mm.



TC 400 C (rubber)

405 x 85 x 60 mm.



TC 400 P (polyurethane)

405 x 85 x 60 mm.



TC 450 (rubber)

450 x 250 x 105 mm.



TC 450 (metal deck)

450 x 250 x 105 mm.

SPEED
DOORSSECTIONAL
DOORSFIRE
DOORSROLLER
SHUTTERSDOCK
LEVELERSDOCK SHELTERS
& BUMPERSSAFETY
SYSTEMSOTHER
SOLUTIONS**SMART CHOCK**

The Smart Chock integrates signaling lights and also permits the operation of the door with an aluminum chock, equipped with an optical sensor that detects the wheel of the truck. This product provides an optimal security during the operation of loading and unloading.

**CALEMATIC Automatic wheel chock**

Easy to use, and designed to make sure the security on truck loading/unloading, this security system keeps the vehicle fixed when the dock leveler is working, and once this process is finished, its wheel chocks descend to set the vehicle free.

**FIBERGLASS CHOCK Wireless Fiber / Basic Fiber**

Wireless Fiber: manual chock with positioning sensor and vehicle control by light. Lightweight and durable. Wireless. Made in fiberglass reinforced with orange gel-coat coating. Handle made in fiber. Electronic system for wireless data transmission, powered by high capacity battery. Battery charger integrated into the stand-out. Light green-red to inform about the situation on both sides of the door. Optional: Interconnection with ramp, inflatable shelter or sectional door.

Basic Fiber: manual chock made in fiberglass with orange reinforced gel-coat coating. Handle made in fiber.

**SUPER CHOCK Premium / Basic**

The unsurpassed restraining power of the Super Chock comes from the combination of the chock's teeth which lock into the solid ground plate grids.

Super Chock Premium: it is the highest level of safety and includes the restraint mechanism, a complete communication system, and control and detection systems that allow full integration with other door and dock leveller systems. It is stronger, secures 100% of vehicles and designed for winter. Easily set by a counter-balanced arm.

Super Chock Basic: This model offers safety at a low price and it is an ideal safety application for any facility with loading docks. It can be used universally with all vehicles and comprises a 35 cm tall hardened steel chock, surface restraining ground plate, wall mounted base and flexible pole. Manually set by a flexible handle.

**POLY CHOCK Premium / Basic**

Poly Chock Premium: polyurethane chock for blocking the truck when it is in the loading and unloading area. It is made of corrosion-resistant material. Its extreme hardness makes it indestructible. It is very economical and light and incorporates a theft-proof security chain and a wall support.

Poly Chock Basic: polyurethane chock for blocking the truck when it is in the loading and unloading area. It is made of corrosion-resistant material. Its extreme hardness makes it indestructible. It is very economical and light and incorporates a theft-proof security chain and a wall support.

**VERSALIGHT Spotlight**

The Versalight illuminates entirely the inside of a truck. It generates twice as much light than conventional lighting systems. It is delivered with a resistant and multidirectional, flexible hose and can also be integrated with the Smart Chock and Safety Signal product. **Use:** 0.21

VERSALIGHT Mini

The new model LED (standard) lighting technology has smaller size but it not has a ventilator. **Use:** 0.15 A

**SECURITY SUPPORT for trailer standing**

Security system to hold the trailer without need to have the tractor truck, avoiding the overloading and breaking of the integrated holders of the trailer. Designed for outdoors, 2 drive speed (slow and fast) and a tilting support with rubber protectors.

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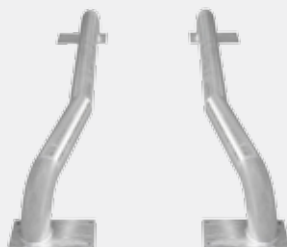
The truck wheel guides allows the truck driver to easily couple the trailer with the dock shelter or other facilities.



1.



2.



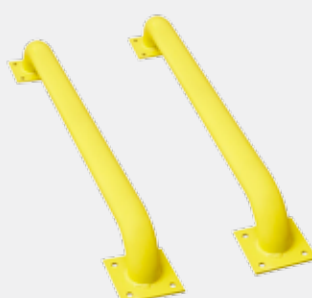
3.

G-25 Model

Cemented or screwed to the floor.

Length: 2,500 mm.

1. G-25 in steel painted yellow and black for cemented in version.
2. G-25 in steel painted yellow set in cement.
3. G-25 in galvanized steel to screw in.



G-15 Model

Straight. Cemented in or screwed into the floor.

Length: 1,500 mm.



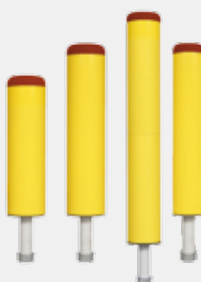
GH-3000 (cement) Model

Straight. Fixed by means of spokes in the pavement.

Length: 3,000 mm.

Weight: 450 Kg/u.

* **Optional:** painted yellow and black.



Flexible shockproof post

VRMIR Ø120 mm.

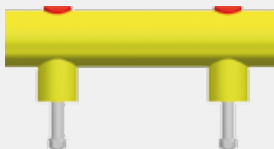
Height: 433 / 530 / 800 mm.

VRMIR Ø100 mm.

Height: 433 / 530 mm.

VRMIR Ø70 mm.

Height: 266 mm.



Flexible guide shock resistant

HRMIR Model

125 x 500 x 70 mm.

150 x 1,000 x 100 mm.

175 x 1,500/2,000 x 120 mm.

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Mobile ramp RM-12

Ramps with an easy mobility for facilities without a loading bay and for those places where there is no possibility to perform the same job as in a conventional loading bay (rented warehouses, casual jobs or places with no electrical supply). Ideal for back loadings and containers. They have side protections to prevent loading vehicles from falling if there is a lack of control. Transitable upper platform with non-sliding galvanized Tramex. Vertical movement performed by two hydraulic pistons activated by a manual pump (automatic option).

Capacity: 6.000 kg. (dynamic).

Other load capacities: 10 tons, 12 tons.

Total lenght: 12,000 mm.

Widht: 2,000 mm. or 2,500 mm.



Mobile ramp with PVC cover.



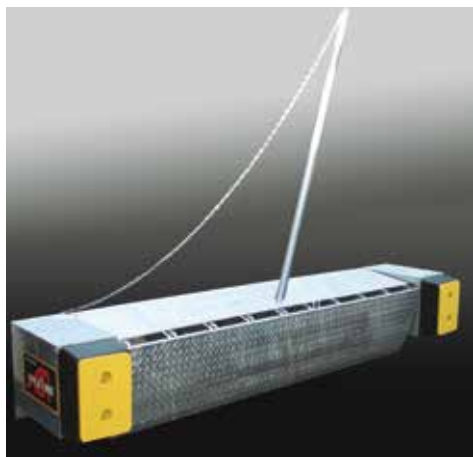
Permanent ramp with self supporting bay.



Angled ramp with self supporting bay and Hydra dock leveler.



Mobile ramp for loading and unloading trains.



MINI-RAMP dock leveller

Without civil engineering, to fit directly to the building. Made of two hinged lips and compensation by gas cylinder. The platform is made of tear plate.

Capacity: 4 and 6 tons.



KA LOADING BRIDGE

Manual bridging platform in steel with tear plate and reinforced with tubes underneath the platform, available in fix model or sliding on a rail. Fitted with compensation springs to provide a smoother operation. The platform is equipped with a security system and side protections to prevent eventual falling.

Different dimensions: TBC.



PFV Model

FIBER GLASS LOADING BRIDGE finished with polyester.

Completely manufactured with fiber glass and polyester composite. Light and safe, non-sliding surface in case of humidity or aggressive chemical products, and extraordinary mechanical resistance. Designed to be moved manually or with a fork lift, it has two galvanized steel chocks to limit the sliding on both supports.

Colors: Green, Blue, Orange.



PFB Model
(with lateral handrail)



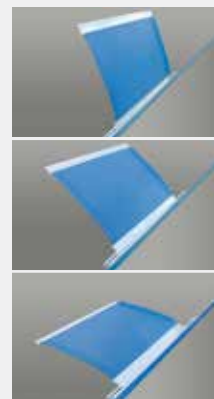
PFB-V (with guides)

NEW

Our new hinging loading bridge is ideal to overcome tiny gaps between platforms and vehicles and to facilitate the loading/unloading and the passage of light machinery. At the edge of the platform there is a guide which allows the lateral movement of the bridge to the desired location.

It can be easily flipped up or down, since it incorporates a lever on the side which allows its safe and effortless movement. Moreover, it features an anti-fall security system to ensure that the gateway does not fall down when it is in the upright position.

Capacity: 4 tons.



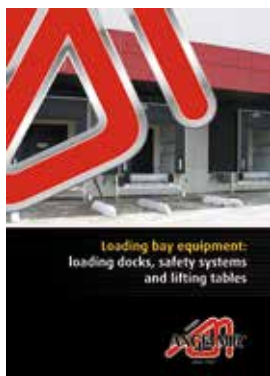
Customers who rely on **Angel Mir®**:



For further information, please consult our detailed product catalogues:



General Catalogue
Industrial doors and loading bay equipment



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



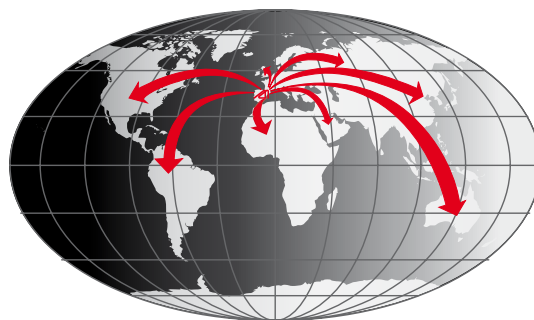
Sectional Doors



Speed Doors

Industrial doors and loading bay equipment

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



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

info@angelmir.com
www.angelmir.com

Distributor: