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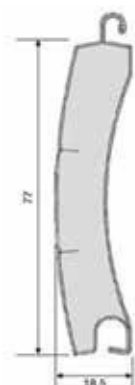
# AUTOMATIC SHUTTER SYSTEMS





## POLYURETHANE FILLED ALUMINUM SHUTTER

White/White
Metallic gray/Silver metallic
Dark gray/Dark grey
Dark beige/Dark beige
Light beige/Light beige
Cream/Ivory
Brown/Brown
Black/Black
Moss green/Moss green
Dark wood/Dark wood



FPA 77	Thickness (mm)	Weight per meter (weight per meter) (kg/m)	Weight per sq. meter (weight per sq. meter) (kg/m)
	18,5	0,552	7,170

- 77 mm surface width polyurethane filled aluminum profile produced by roll forming method.
- With its aesthetic surface structure, they are suitable for use in medium and large sized residences and workplaces.
- They are lamellas that provide security, heat, sound and wind resistant isolated environment in residences and workplaces.
- Limited to the color options indicated on the side.
- Engine options according to product size, intended use or customer demand;
  - Power Plant - Tube - Chain Transmission - Box(Compact)
- Control systems according to the area of use or according to customer demand;
  - Remote Control - Button - Switched Switch - Photocell



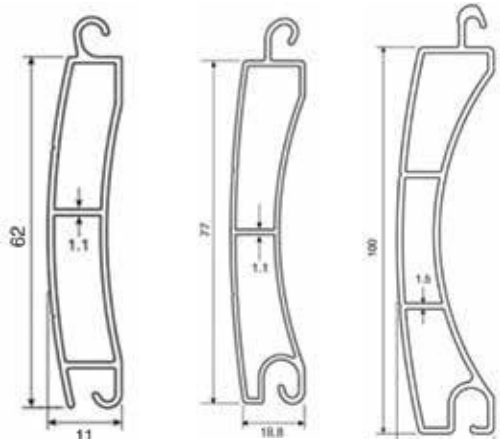




# EXTRUDED ALUMINUM SHUTTER

Product	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m)
FEA 62	11,0	0,460	7,420
FEA 77	18,8	0,550	7,145
FEA 100	25	1,150	11,5

- 62, 77, 100 mm surface width extruded pressed aluminum profile.
- 62-77 mm With its aesthetic surface structure, it is suitable for use in medium-sized residences and workplaces.
- 62-77 mm These lamellas provide security, heat, sound and wind resistant isolated environment in residences and workplaces.
- 100 mm With its aesthetic surface structure, it is suitable for use in large and industrial sized workplaces.
- 100 mm These lamellas provide security, heat, sound and wind resistant isolated environment in industrial workplaces.
- Baked electrostatic powder paint application is available in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant - Tube    - Chain Transmission    - Box (Compact)
- Control systems according to the area of use or according to customer demand;
  - Remote Control    - Button    - Switched Switch    - Photocell





# EXTRUDED ALUMINUM SHUTTER WITH WINDOW



Product	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m)
FEA 62 P	11,0	0,340	4,124
FEA 77 P	16,0	0,450	5,846
FEA 100 P	25	0,950	9,5

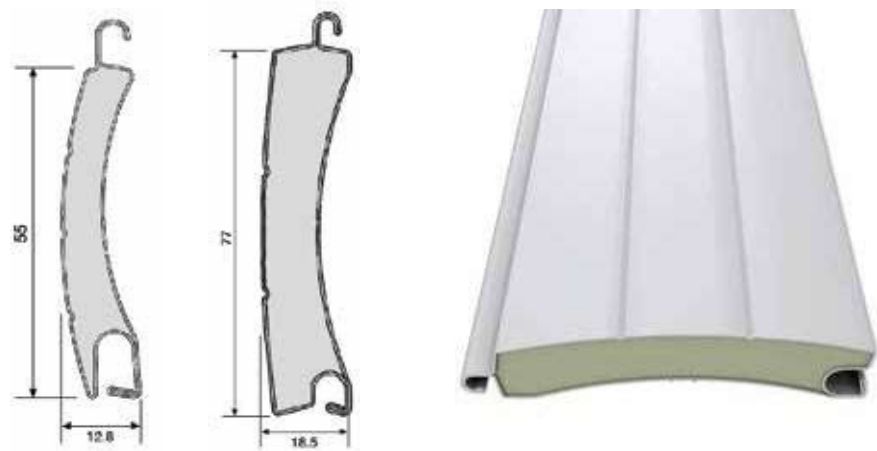
- 62, 77, 100 mm surface width extruded pressed aluminum profile with windows.
- They are products suitable for use with 62-77 mm windows, aesthetic surface structure and polycarbonate glazing upon request.
- 62-77 mm lamellas that provide security, sound and wind resistant isolated environment in residences and workplaces.
- 100 mm windowed products with aesthetic surface structure and polycarbonate glazing upon request.
- 100 mm lamellas that provide security, sound and wind resistant isolated environment in industrial workplaces.
- Baked electrostatic powder paint application is available in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant - Tube      - Chain Transmission - Box (Compact)
- Control systems according to the area of use or according to customer demand;
  - Remote Control      - Button      - Switched Switch      - Photocell







# POLYURETHANE FILLED GALVANIZED STEEL SHUTTER



Product	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m)
FPC 55	12,8	0,488	8,879
FPC 77	18,5	0,780	10,141

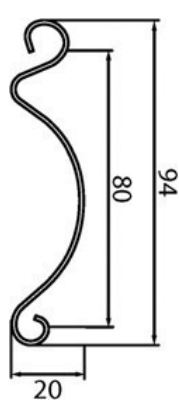
- 55 - 77 mm surface width polyurethane filled galvanized steel profile produced by roll forming method.
- With its aesthetic surface structure, they are suitable for use in medium-sized houses.
- High security, heat, sound and wind resistant lamellas that provide an isolated environment in residences and workplaces.
- Slats produced in standard colors (White, Grey) are limited to the available color options.
- Engine options according to product size, intended use or customer demand;
  - Power Plant - Tube
- Control systems according to the area of use or according to customer demand;
  - Remote Control - Button - Switched Switch - Photocell





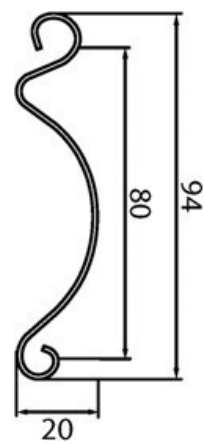


# GALVANIZED STEEL SH



	Thickness (mm)	Weight per meter (weight per meter) (kg/m)	Weight per sq. meter (weight per sq. meter) (kg/m)
FGC 80	0,70	0,80	10,7
	0,80	0,95	11,5
	1,00	1,20	14,5
	1,20	1,45	17,5

- 80 mm surface width galvanized steel profile produced by roll forming method.
- Thanks to its curved form, it offers high strength and a soft-lined appearance.
- It is resistant to wind, impact or explosive substances in outdoor areas.
- Baked electrostatic powder paint is applied in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant- Tube    - Chain Transmission    - Box(Compact)
- Control systems according to the area of use or customer demand;
  - Remote Control    - Button    - Switched Switch    - Photocell

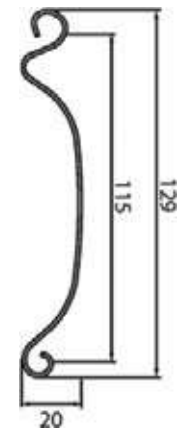


	Thickness (mm)	Weight per meter (weight per meter) (kg/m)	Weight per sq. meter (weight per sq. meter) (kg/m)
FGC 80D	0,80	0,68	9,8
	1,00	0,90	10,1

- 80 mm surface width galvanized steel profile produced by roll forming method.
- Thanks to its curved form, it offers high strength and a soft-lined appearance.
- Transparent appearance and safety thanks to micro perforations in exterior or interior spaces.
- Baked electrostatic powder paint is applied in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant - Tube    - Chain Transmission    - Box(Compact)
- Control systems according to the area of use or customer demand;
  - Remote Control    - Button    - Switched Switch    - Photocell

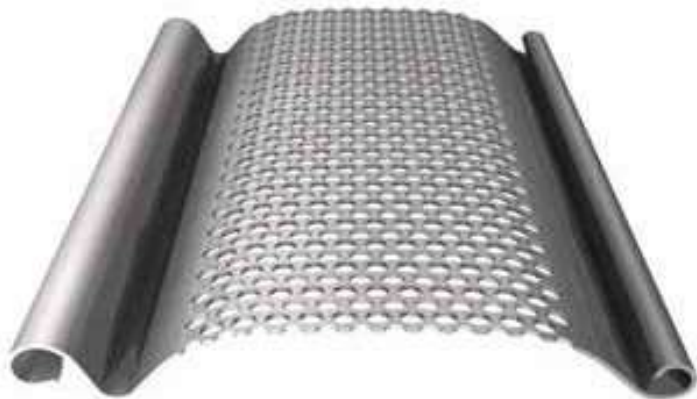
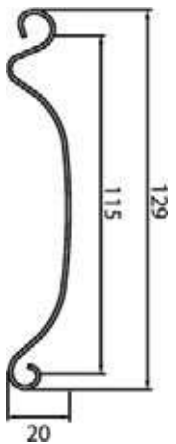






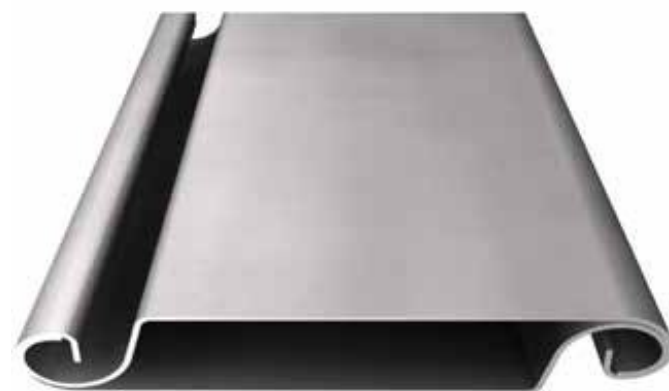
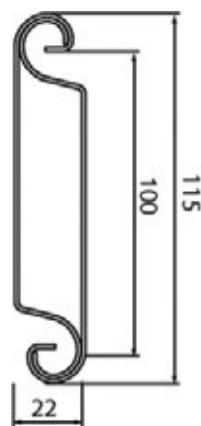
FGC 115	Thickness (mm)	Weight per meter (weight per meter) (kg/m)	Weight per sq. meter (weight per sq. meter) (kg/m)
	0,70	1,08	9,9
	0,80	1,24	11,3
	1,00	1,54	14,1
	1,20	1,79	16,1

- 120 mm surface width galvanized steel profile produced by roll forming method.
- Thanks to its flat and slightly curved form, it offers high strength and a soft-lined appearance.
- It is resistant to wind, impact or explosive substances in industrial areas.
- Baked electrostatic powder paint is applied in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant- Tube    - Chain Transmission    - Box(Compact)
- Control systems according to the area of use or according to customer demand;
  - Remote Control    - Button                      - Switched Switch                      - Photocell



FGC 115D	Thickness meter(thickness) (mm)	Weight per meter (weight per meter) (kg/m)	Weight per square (weight per sq. meter) (kg/m)
	0,80	0,93	7,7
	1,00	1,16	9,6

- 120 mm surface width galvanized steel profile produced by roll forming method.
- Thanks to its flat and slightly curved form, it offers high strength and a soft-lined appearance.
- Transparent appearance and safety thanks to micro perforations in exterior or interior spaces.
- Baked electrostatic powder paint is applied in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant- Tube    - Chain Transmission    - Box(Compact)
- Control systems according to the area of use or customer demand;
  - Remote Control    - Button                      - Switched Switch                      - Photocell



FGC 100C	Thickness meter(thickness) (mm)	Weight per meter (weight per meter) (kg/m)	Weight per square (weight per sq. meter) (kg/m)
	0,60+0,60	1,71	17,1
	0,70+0,70	1,99	19,9
	0,80+0,80	2,28	22,8
	1,00+1,00	2,85	28,5

- 100 mm surface width double wall galvanized steel profile produced by roll forming method.
- It has a flat and slightly curved form with rockwool filling between its double layers.
- It provides high resistance against fire, wind, impact or explosive materials.
- Baked electrostatic powder paint is applied in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Tube - Chain Transmission - Box(Compact)
- Control systems according to the area of use or according to customer demand;
  - Remote Control - Button - Switched Switch - Photocell



## ACCESSORIES



Chain Drive  
Industrial Motor



Central Engine



Tubular Motor for  
Shutter and Roller  
Shutter



Box motor



Remote Control



Buy  
er



Battery  
Photocell



External Manual  
Box



Tapa



Profile  
Hanger



Pipe  
Head



Lamellar Flow  
Wheel



Bracel  
et



Side Flag



Reducer Hook





# AUTOMATIC SHUTTER SYSTEMS



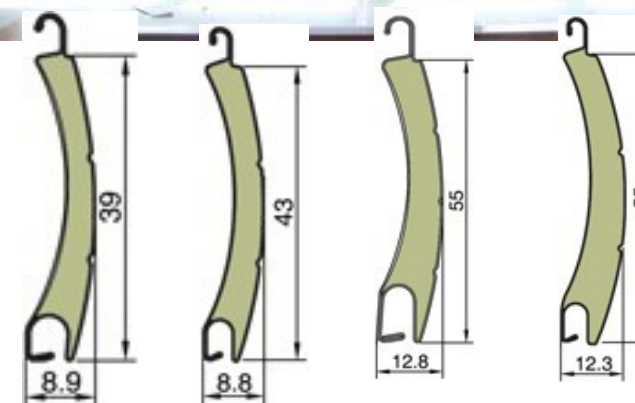
***"Decorative  
appearance, effective light control, sound  
and heat insulation"***

## MONOBLOCK BOXED ROLLER SH



Model	A (mm)	B (mm)	C (mm)	D (mm)	White
FMB 190	154,5	190	190	190	Beech
FMB 210	194,5	210	230	210	Red pine
					Golden Oak
					Gnarled Oak

- PVC boxes and struts compatible with projects that do not protrude to the exterior of the building are used.
- It is applied with 39/43/55 mm surface width polyurethane filled aluminum profiles.
- It provides a harmonious look with PVC or aluminum doors and windows in residential buildings.
- Standard color options and other color applications with special coating are also available.
- Manual (cord) or motorized options are used according to the size of the product and the customer's request.
- Optionally, it can also be applied as scissors (45° opening from the bottom to the front).
- Motor and control systems according to the intended use or customer demand
  - Tube Engine      - Cord      - Remote Control      - Button



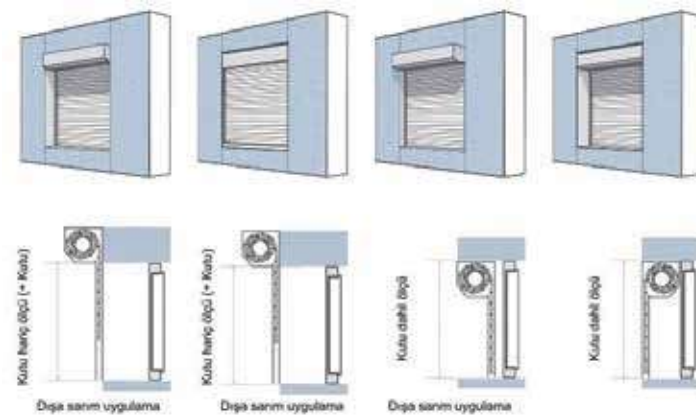
Box	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m ) <sup>2</sup>
FPA 39	8,9	0,102	2,621
FPA 43	8,8	0,112	2,614
FPA 55	12,8	0,192	3,490
FPA 55/ECO	12,3	0,152	2,777

- 39,43,55 mm surface width polyurethane filled aluminum profile produced by roll forming method.
- It is used for windows and small-sized areas with its aesthetic appearance and surface structure.
- They are lamellas that provide aesthetic appearance, heat, sound and wind resistant isolated environment in houses.
- Oven electrostatic powder paint is applied in standard and "Ral" chart colors.
- Optionally, it can also be applied as scissors (45° opening from the bottom to the front).
- Manual (cord) or motorized options are used according to the customer's request.
- Motor and control systems according to the intended use or according to the customer's request
  - Tube Engine      - Manual (Cord)      - Remote Control      - Button



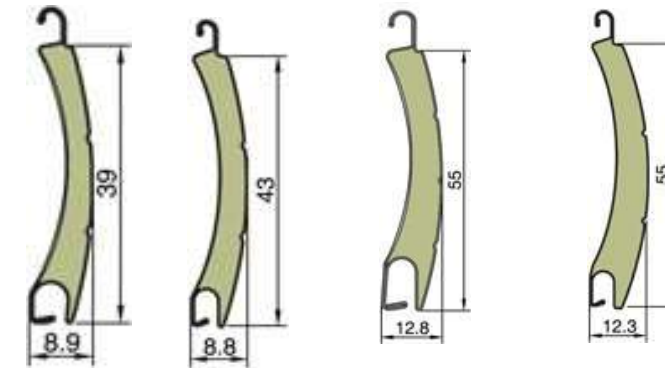


## OUTBOARD ROLLER SHUTT



Model	A (mm)	B (mm)	C (mm)	D (mm)	White
FDK 165	165	165	120	120	Beech
FDK 205	205	205	150	150	Red pine
FDK 250	250	250	180	180	Golden Oak
					Gnarled Oak
					Gnarled

- Aluminum boxes and struts compatible with the projects applied to the building exterior are used.
- It is applied with 39/43/55 mm surface width polyurethane filled aluminum profiles.
- It provides a harmonious appearance with aluminum doors and windows in workplaces and residences.
- Baked electrostatic powder paint is applied in standard and "Ral" chart colors.
- Manual or motorized options are applied according to the shutter size or customer's request.
- Optionally, it can also be applied as scissors (45° opening from the bottom to the front).
- Motor and control systems according to the intended use or customer demand
  - Tube Engine      - Manual (Cord)      - Remote Control      - Button



Box	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m ) <sup>2</sup>
FPA 39	8,9	0,102	2,621
FPA 43	8,8	0,112	2,614
FPA 55	12,8	0,192	3,490
FPA 55/ECO	12,3	0,152	2,777

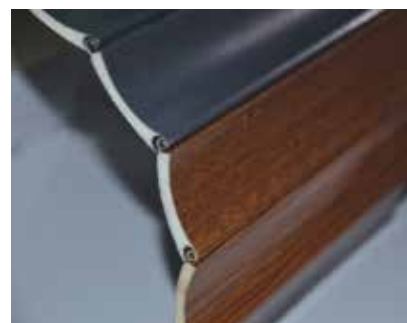
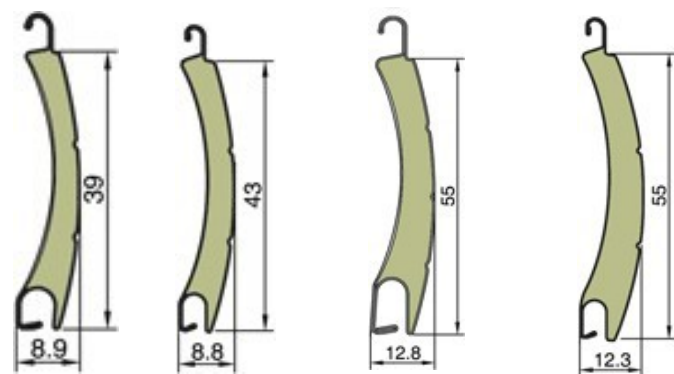
- 39,43,55 mm surface width polyurethane filled aluminum profile produced by roll forming method.
- It is used for windows and small-sized areas with its aesthetic appearance and surface structure.
- They are lamellas that provide aesthetic appearance, heat, sound, wind resistant isolated environment in houses.
- Oven electrostatic powder paint is applied in standard and "Ral" chart colors.
- Optionally, it can also be applied as scissors (45° opening from the bottom to the front).
- Manual (cord) or motorized options are used according to the customer's request.
- Motor and control systems according to the intended use or according to the customer's request
  - Tube Engine      - Manual (Cord)      - Remote Control      - Button







## DETAIL (HIDDEN BOXED) SH



Box	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m) <sup>2</sup>
FPA 39	8,9	0,102	2,621
FPA 43	8,8	0,112	2,614
FPA 55	12,8	0,192	3,490
FPA 55/ECO	12,3	0,152	2,777

- It is a louver application made in a louver winding slot or reinforced concrete box or a slot made of polystyrene rigid foam formed during the construction phase under or in front of the upper lateral concrete beam outside the joinery.
- 39,43,55 mm surface width polyurethane filled aluminum profiles produced by roll forming are used.
- It is used for windows and small-sized areas with its aesthetic appearance and surface structure.
- They are lamellas that provide aesthetic appearance, heat, sound, wind resistant isolated environment in houses.
- Oven electrostatic powder paint is applied in standard and "Ral" chart colors.
- Optionally, it can also be applied as scissors (45° opening from the bottom to the front).
- Manual (cord) or motorized options are used according to the size of the product and the customer's request.
- Motor and control systems according to the intended use or according to the customer's request
  - Tube Engine      - Manual (Cord)      - Remote Control      - Button

## ACCESSORIES



Tapa



Profile Hanger



Buyer



Control Units



Buyer



Reel



Scissors



Pipe Head, Bearing



Button



Engine

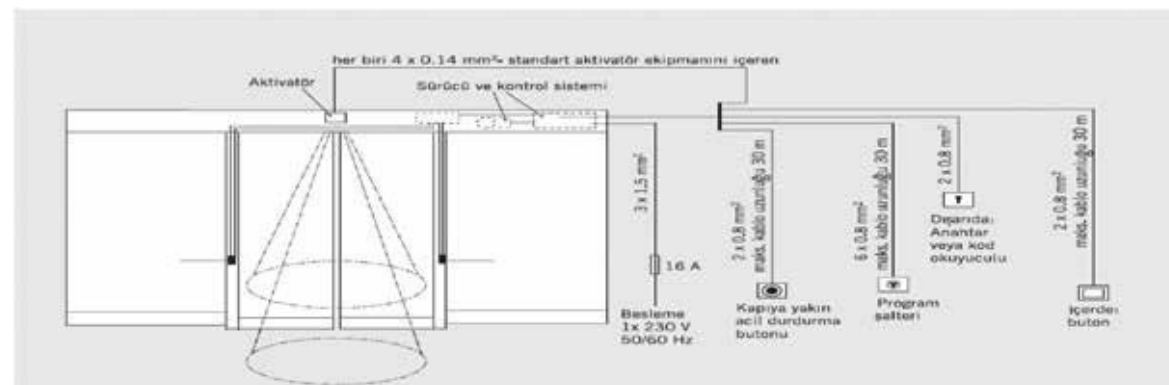




# AUTOMATIC DOOR SYSTEMS



## SLIDING PHOTOCELL DOORS



FFK	Door Opening (mm)	Maximum Wing Weight	Maximum Opening Speed
Single Wing	700-3000	1x100 kg	10-50 cm/sec
Double Wing	800-3000	2x85 kg	10-50 cm/sec

- It is a reliable and long-lasting investment. Seamless adaptation to your personal needs.
- It provides silent, smooth and seamless passage flow with high performance in areas with heavy human traffic.
- You can safely use it in your industrial facilities, warehouses, warehouses, residences and workplaces.
- Baked electrostatic powder paint application is available in "Ral" chart colors.
- Types of wings according to the area of use or according to the customer's request;
  - 1 Movable- 1 Fixed + 1 Movable- 2 Movable- 2 Fixed + 2 Movable
- Control systems according to the area of use or according to customer demand;
  - Radar - Hand Sensor - Button/Control - Switched Switch - Photocell





# MANEUVERABLE (UNPROFILED)

FMK	Door Opening (mm)	Maximum Wing wWeight	Maximum Opening Speed
Single Wing	700-3000	1x100 kg	10-50 cm/sec
Double Wing	800-3000	2x85 kg	10-50 cm/sec

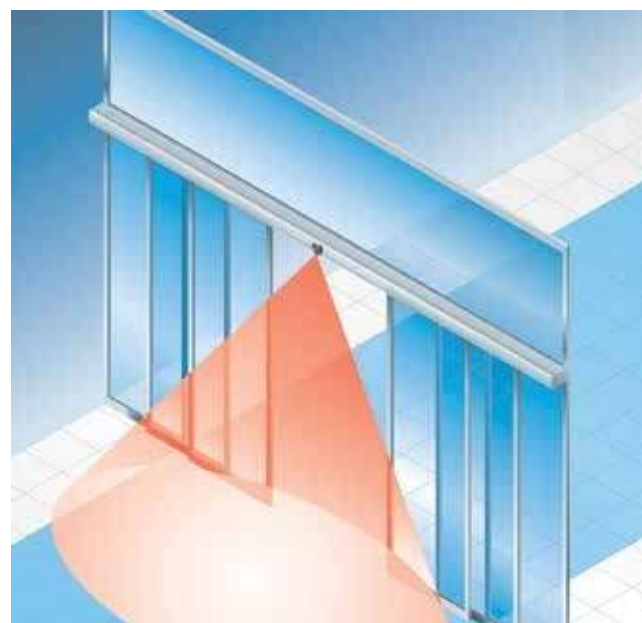
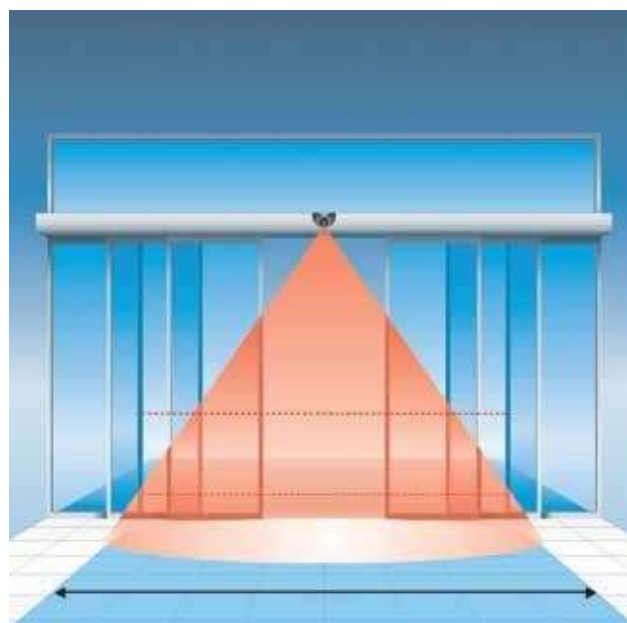
- The Manet point holder system adds more aesthetics, light and dimension to your scissors.
- It provides silent, smooth and seamless passage flow with high performance in areas with heavy human traffic.
- Glass can be transparent, semi-transparent or tinted to provide aesthetic solutions to your architectural plans.
- The combination of manet stainless steel holders with 8-10 mm tempered glass provides the desired transparency.
- Types of wings according to the area of use or according to the customer's demand;
  - 1 Movable- 1 Fixed + 1 Movable- 2 Movable- 2 Fixed + 2 Movable
- Control systems according to the area of use or according to customer demand;
  - Radar - Hand Sensor - Button/Control - Switched Switch - Photocell







## TELESCOPIC SLIDING DOORS



FTK	Door Opening (mm)	Maximum Wing Weight	Transition Height (mm)
Single Wing	800-2000	2x60 kg	2100-2500
Double Wing	1400-3000	4x50 kg	2100-2500

- It provides savings and easy passage in narrow passage areas consisting of wings sliding on each other.
- It provides the opportunity to use the exterior and interior entrances of your spaces in the widest opening.
- Insulation offers many design alternatives to meet your needs for functionality and aesthetics.
- Continuous closing force control ensures maximum operational safety for users.
- Wing types according to the area of use or according to the customer's demand;
  - 1 Fixed + 1 Movable- 2 Fixed + 4 Movable
- Control systems according to the area of use or according to the customer's request;
  - Radar - Hand Sensor - Button/Control - Switched Switch - Photocell





## ROTARY DOORS



- It provides aesthetic, functional, climatic comfort and energy saving in areas such as hotels, business centers and shopping malls.
- It provides seamless passage flow with quiet, smooth and high performance in heavy passage traffic.
- In case of panic, it provides a quick and safe escape by folding the wings.
- Tempered and laminated glass can be used on the wings and metal or glass panels can be used on the side walls.
- Types of wings according to the area of use or according to the customer's request;
  - 2 Winged      - 3 Winged      - 4 Wings
- Control systems according to the area of use or according to customer demand;
  - Radar      - Hand Sensor      - Button/Control      - Switched Switch      - Photocell







*"Hygienic and aesthetic"*

# HERMETIC DOORS



FHK	Door Opening (mm)	Maximum Wing Weight	Maximum Opening Speed
Single Wing	875-1750	1x100 kg	2100-2500
Double Wing	1750-3500	2x90 kg	2100-2500

- Intensively used in environments requiring sterile or semi-sterile hygiene; doors with anti-bacterial MDF-lam, compact laminate or stainless surface.
- It is preferred due to its insulation, sealing and hygiene properties in areas such as operating rooms etc.
- It features half-opening, opening-closing when encountering obstacles and press-closing for sealing.
- A viewing window can be applied according to the area of use and the customer's request.
- Types of wings according to the area of use or according to the customer's demand;
  - 1 Movable- 1 Fixed + 1 Movable- 2 Movable- 2 Fixed + 2 Movable
- Control systems according to the area of use or according to the customer's request;
  - Radar - Hand Sensor- Button - Control - Encrypted Pass



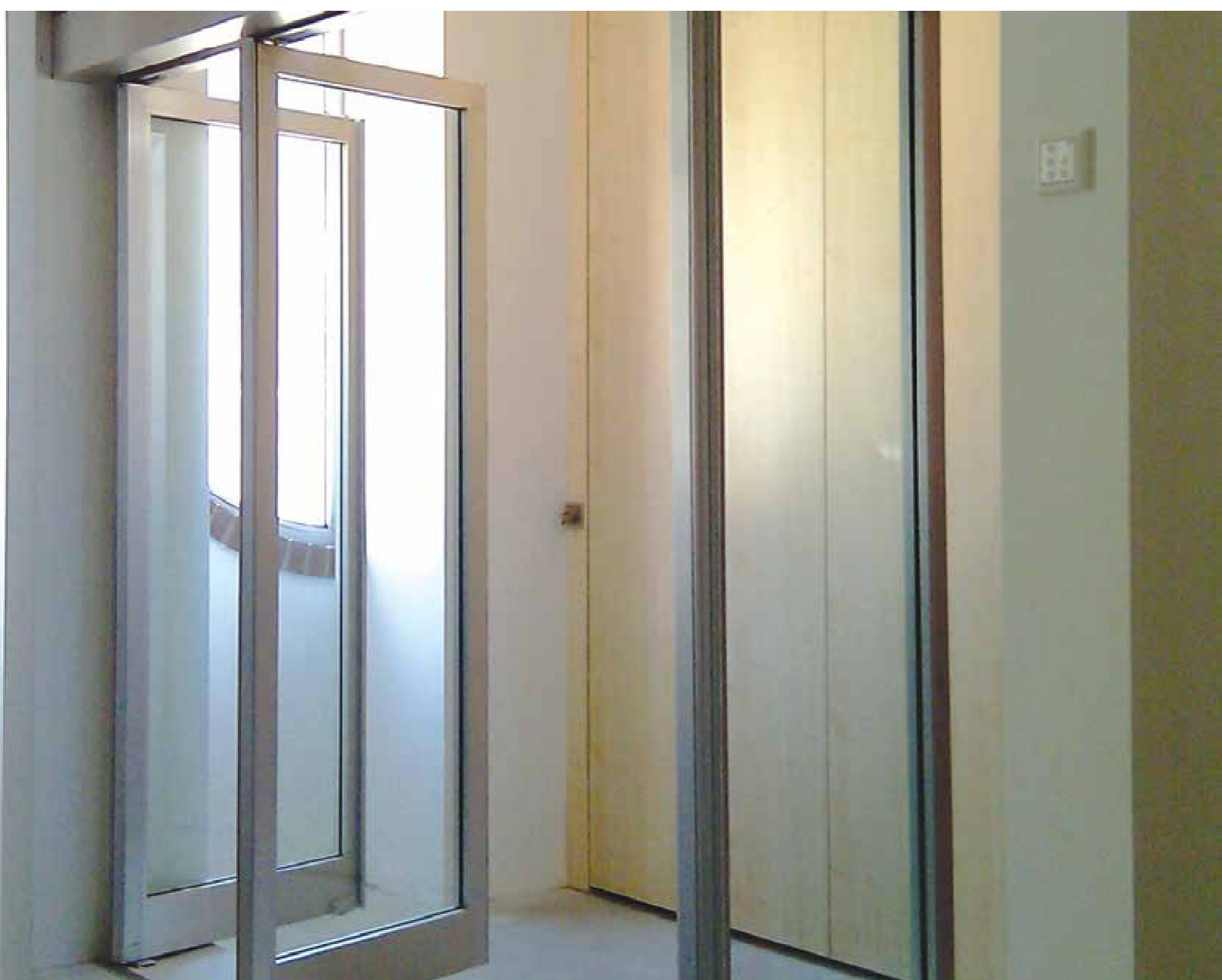


## 90° CIRCULAR OPENING DOORS

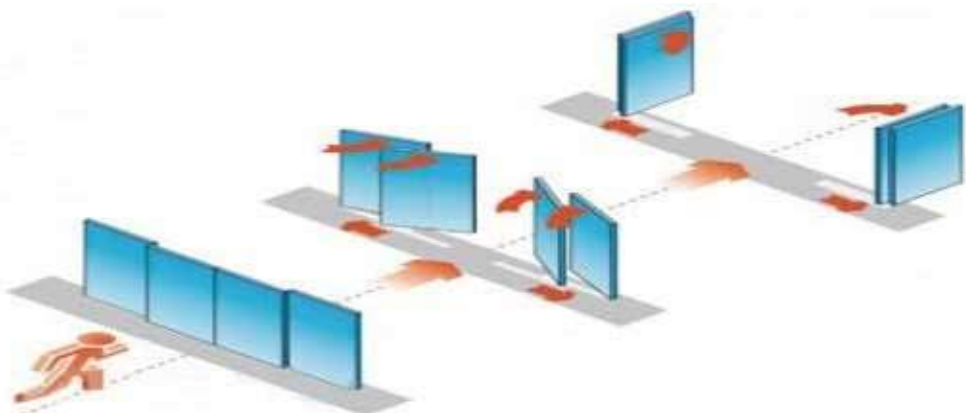
- Used in standard room or 90° building entrance doors, in sterile areas requiring critical hygiene safety.
- It offers a stylish design with its silent unit, compact structure and stainless steel body.
- Mounting on the door leaf and frame allows opening according to the push-pull direction.
- Motion detectors and infrared security sensors can be integrated in the sensor sliding arm.
- Types of wings according to the area of use or according to the customer's demand;
  - Single Wing - Double Wing
- Control systems according to the area of use or according to customer demand;
  - Automatic Operation - Semi-automatic Operation - Low Energy Operation - Pushbutton/Control - Card Access







## PANIC OPENING (BREAKOUT PHOTOCELL DOORS)



*"Safe exit in case of danger!"*

FPK	Door Opening Opening (mm)	Maximum Sash Weight	Maximum Speed
	1000-2000	2000x5000 kg	2000-2500

- It provides the opportunity to use the exterior and interior entrances of your spaces to benefit from the widest opening.
- A special solution is the folding sliding door systems, where both the sliding wings and the fixed wings can be opened outwards without unlocking and without applying too much force.
- The system can be used safely and without difficulty in emergency situations.
- Types of wings according to the area of use or according to the customer's request;
  - 1 Movable- 1 Semi-Fixed + 1 Movable- 2 Movable- 2 Fixed + 2 Movable
- Control systems according to the area of use or according to customer demand;
  - Radar
  - Hand Sensor
  - Button/Control
  - Outline Switch
  - Photocell



"Width and depth to  
entrance spaces"

## CURVILINEAR (CIRCULAR) SLIDING



FEK	Door Opening (mm)	Maximum Wing Weight	Transition Height (mm)
Single Wing	700-2000	1x120 kg	2100-2600
Double Wing	900-3000	2x100 kg	2100-2600

- It is used in inclined semicircular-full-circular configurations, oval and double compartment.
- Full circular door system solutions work as a windbreak and minimize heat loss.
- It also allows the pedestrian traffic flow to be directed as desired and the density to be controlled.
- It adapts to your projects and offers harmony and contrast with the facade of your buildings and spaces.
- Microprocessor controlled system guarantees safe and secure entrance and exit areas.
- Types of wings according to the area of use or according to the customer's request;
  - 1 Movable - 2 Movable
- Control systems according to the area of use or according to customer demand;
  - Radar - Hand Sensor - Button - Control - Encrypted Pass

## ACCESSORIES



Card reader



Program Switch  
with key



Manual Program  
Switch



Photocell



Bottom  
Guide



Radar



Active 8 radar



Manual  
Lock



Fingerprint  
Access  
Device



Encrypted  
Access  
Device



Encrypted Access  
Device



Hand  
Sensor



Remote Control



Electronic Lock






# INDUSTRIAL DOOR SYSTEMS

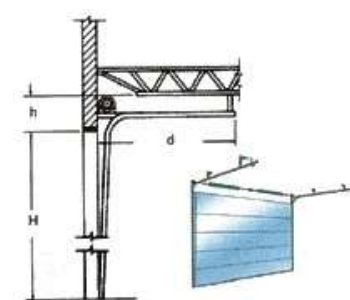




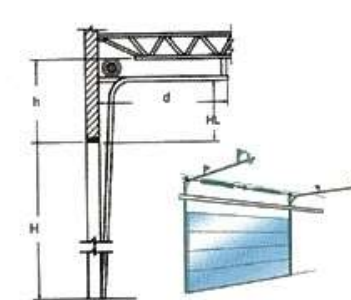
## SEXUAL DOOR SYSTEMS

Product	Thickness (mm)	Panel Height (mm)	Weight per square meter (kg/m <sup>2</sup> )	
FPA 40	40	500-610	11,100	
FPA 42	42	500-610	11,700	
FPC 42	42	500-610	10,7	

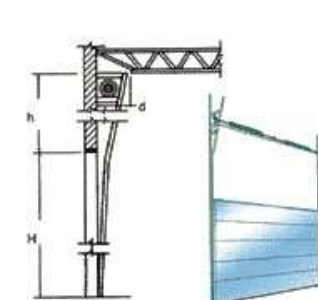
- It consists of hot dipped galvanized steel, polyurethane insulated sandwich panels with special rib form.
- Up to 7500 mm width and 5500 mm height, it can be used safely in warehouse, factory and other door projects.
- It is a durable, easily applicable and long-lasting system with suitable bearing options, heat insulation and heat insulation.
- Faster traffic flow, protection against external factors and savings in heating and cooling costs.
- Pneumatic safety system (a system that stops in contact with an object and allows it to rise up) is available.
- Engine options according to product size, intended use or customer demand;
  - Single Phase Industrial Chain      - Three-phase Industrial Chain      - Push-Pull Housing Type
- Types of wings according to the area of use or according to the customer's request;
  - Radar      - Remote Control      - Button      - Photocell      - Switched Switch
- Control systems according to the area of use or according to customer demand;
  - Spring Refraction - Finger Compression      - Rope Breakage



Standard Bearing



High Bearing



Guillotine Bearing





## ROLLING DOOR SYSTEMS



Product	Thickness (mm)	Meter Weight (kg/m)	Weight per square meter (kg/m <sup>2</sup> )
FEA 77	18,8	0,550	7,145
FEA 100	25	1,150	11,5

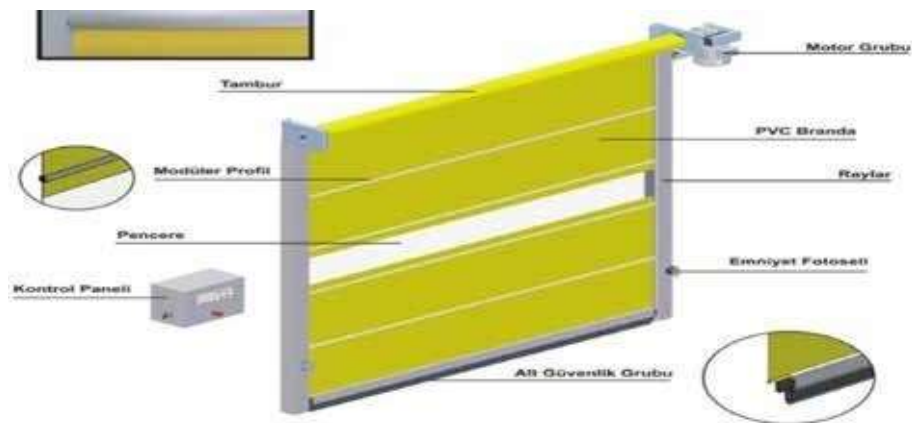
- 77,100 mm surface width extruded pressed aluminum profile.
- 77,100 mm surface width windowed perforated extruded pressed aluminum profile.
- 77 mm With its aesthetic surface structure, it is suitable for use in medium-sized garages and workplaces.
- 77 mm These are lamellas that provide security, heat, sound and wind resistant isolated environment in residences and workplaces.
- 100 mm With its aesthetic surface structure, it is suitable for use in large and industrial sized workplaces.
- 100 mm These lamellas provide security, heat, sound and wind resistant isolated environment in industrial workplaces.
- Baked electrostatic powder paint is applied in "Ral" chart colors.
- Engine options according to product size, intended use or customer demand;
  - Power Plant    - Tube                      - Chain Transmission                      - Box (Compact)
- Control systems according to the area of use or according to customer demand;
  - Remote Control                      - Button                      - Switched Switch - Photocell







## SPIRAL FAST PVC CANVAS DOOR SYSTEMS



FSP	Maximum Wing Spacing (mm)	Opening Speed (m/sec)	Closing Daughter (m/sec)
	1000-4000	0,70-1,8/1,30-2,2	0,60-0,70

- With its superior design, they are high-tech doors that can be used in every structure where entrance-exit traffic is intense.
- Functional door solutions that prevent loss of time and energy in environments requiring fast passage and ensure work safety (gas, food, dust, protection of the conditioned area).
- Different models are available for indoor and outdoor use and Polyester curtains in different colors are used in the main body.
- The system can be used safely and without difficulty in emergency situations.
- Control systems according to the area of use or according to customer demand;
  - Radar - Mass Detector - Button/Control - Drawstring Switch - Hand Sensor

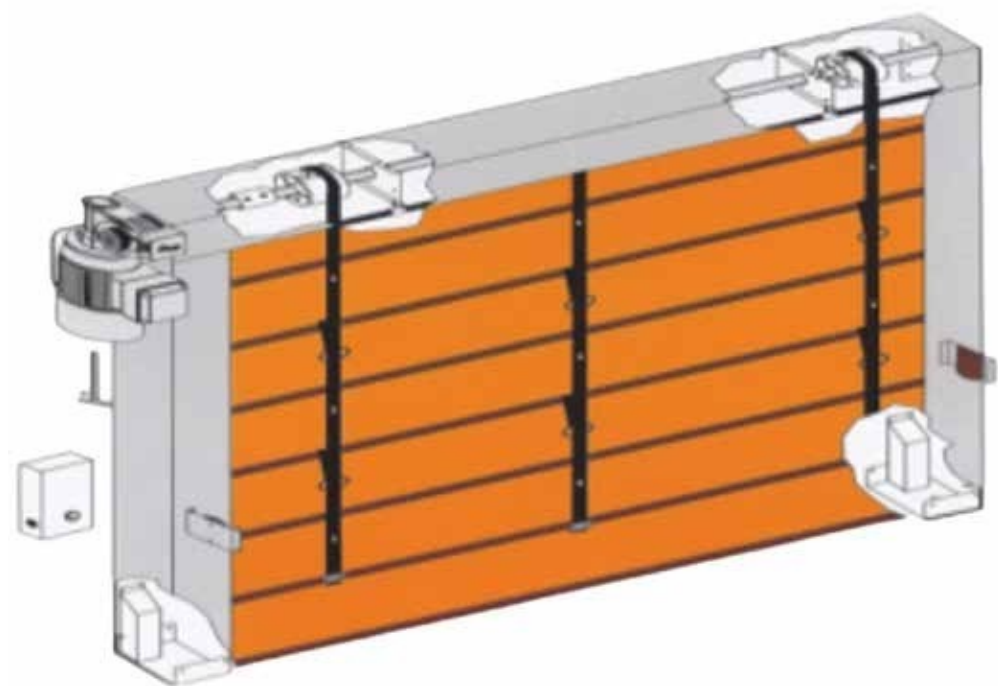




## FOLDING FAST PVC CANVA DOOR SYSTEM

FKP	Maximum Wing Spacing (mm)	Opening Speed (m/sec)	Closing Daughter (m/sec)
	1000-5000	0,70-1,8/1,30-2,2	0,60-0,70

- It provides high speed, minimum energy loss and maximum insulation for your indoor and outdoor doors.
- The advantage of the frequency of operation and the very fast opening and closing of the door is the biggest factor in its preference.
- Preferred places of use are loading and unloading areas, compartments with frequent circulation.
- The tarpaulin is collected by winding directly on the drum system designed along the width of the door.
- The system can be used safely and without difficulty in emergency situations.
- Control systems according to the area of use or according to customer demand;
  - Radar
  - Mass Detector
  - Button/Control
  - Drawstring Switch
  - Hand Sensor







## FOLDING AND SLIDING GLAZING SYSTEMS





## FOLDS GLAZING SYSTEMS



FKC	Wing Width (mm)	Wing Height (mm)	Wing Weight (kg)
	45-65	1100-3000	20-25

- It offers architectural aesthetics, comfortable, peaceful and safe balcony enjoyment in accordance with the rules of contemporary urban life,
- Factors such as wind, dust, rain, noise that will prevent you from using your balconies, which are a place of respite and rest in city life, allow you to use them in all conditions thanks to glazing.
- It is manufactured using glass wings consisting of 6 mm-8 mm-10 mm thick tempered glass.
- The windows can be rolled up to the right/left or in both directions.
- Turning the corners, they can gather in the appropriate area, which is converted into a total parking lot.
- All windows can be opened to the interior in the style of a window sash, allowing for easy cleaning.
- Baked electrostatic powder paint application in "Ral" chart colors is available for profiles.







**WINDOW GLAZING SYSTEMS**



**SLIDING GLAZING SYSTEMS**







## FIREDOOR SYSTEMS





## FIRE DOORS

FYK	Wing Spacing (mm)	Wall Thickness (mm)	Wing Height (mm)
Single Wing	900-1400	60-120	2000-3000
Double Wing	1200-3000	60-120	2000-3000

- In case of possible fire, it allows emergency evacuation of the scene.
- Fire doors are produced as epoxy polyester powder oven painted on dkp or galvanized sheet metal.
- Although it is locked from the outside, it can be easily opened from the inside thanks to the panic handle, providing fast and smooth passage.
- Provides isolation in case of fire with cold and hot smoke wick; prevents the passage of heat, water and smoke.
- Fire doors, which also have decorative designs, complement the visuality of stylishly designed spaces.
- It can be used safely in places where people are in crowded masses such as schools, hospitals, shopping malls and cinemas.





## STEEL SARMAL FIRE SHUTTER SYSTEM



FYK	Pass Range (mm)	Transition Height (mm)	Resistance Time (sec)
	1000-12000	1500-7000	3600-14400

- In case of fire, they close immediately and separate the two spaces.
- It is produced specially for fire in galvanized steel or stainless steel.
- Steel rolling doors are especially preferred in chemical, paint and industrial plants with high fire sensitivity.
- When the ambient temperature reaches 74 °C, which is the fire starting temperature, it prevents the spread of heat, flame, and smoke by closing with the help of fusible link (melting solder) or motor. It works integrated with the fire alarm system.
- It can also be used as a service gate for daily traffic.







## BARRIER SYSTEMS





## ARM BARRIER



FKB	Pass Range (mm)	Arm Length (mm)	On-Off Speed (sec)
	3000-8000	3000-5000	3 sec - 8 sec

- Site, Plaza, Parking Lot etc. It is a barrier system used to provide vehicle controlled entry at entrance-exit points and to prevent the entry of foreign vehicles.
- It is used in automation of parking lot systems with its integration infrastructure to different systems.
- It is one of the most preferred products for the organization of parking areas due to traffic density.
- They have an aesthetic appearance and are products of international standards and quality with their stainless steel outer cabin and powerful engine, which are not affected by hot or cold weather conditions.
- It is easy to use, easy to assemble and safe with its robust structure.
- Control systems according to the area of use or according to customer demand;
  - Photocell - Button/U. Control - Card/Passcode Access - Main Switch - Flasher Lamp



*"Only those you allow  
can pass!"*





## MANTAR BARRIER



FMB	Pass Range (mm)	Working Pressure (Bar)	On-Off Speed (sec)
	1000-12000	20-100	4 sec - 6 sec

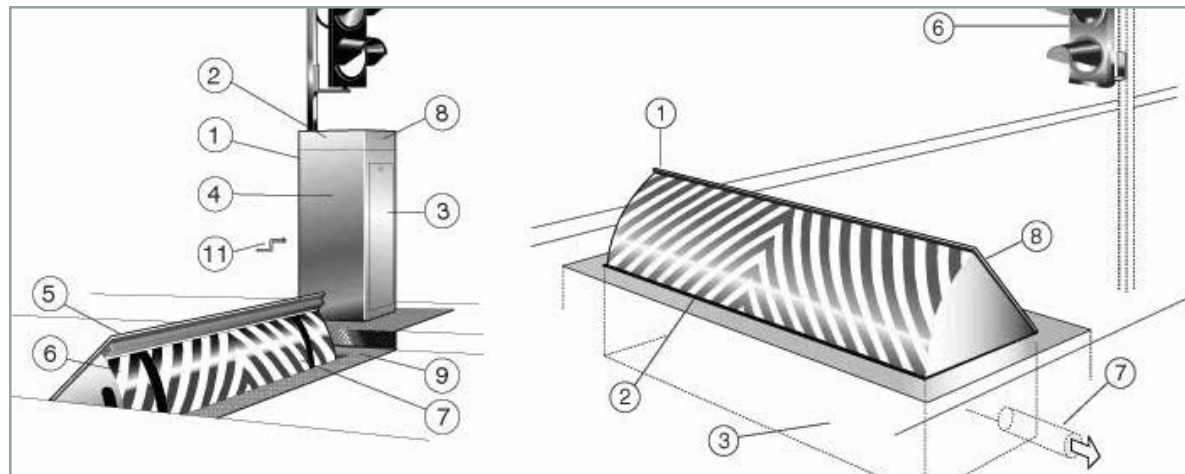
- They are systems that do not obstruct the passage of people and provide very good resistance against vehicle collisions in places where parking problems are frequently experienced.
- They are hydraulic or pneumatic cylinder systems with 2-16 barriers coming out of the ground, which are used in places requiring intense security, main entrance gates of buildings and facilities, shopping malls, embassies and consulates, bank directorates, ports, refineries, prisons, as well as in pedestrianization projects of public institutions, streets and streets closed to vehicle traffic.
- It is easy to use, easy to assemble and safe with its robust structure.
- Barrier types according to the area of use or according to the customer's demand;
  - Hydraulic - Pneumatic      - Electromechanics      - Manual Interlocking Medicine
- Control systems according to the area of use or according to customer demand;
  - Photocell - Button/U.Control      - Card/Passcode Access      - Ogs/Plate Recognition System
  - Mass Detector







## ROADBLOCKER (ROAD BLOCKER) BARR



FR	Pass Range (mm)	Working Pressure (mm)	On-Off Speed (sec)
	2000-6000	20-100	4 sec - 10 sec

- Roadblocker, also known as road blocker, is an electronically controlled hydraulic system that varies in size according to the width and safety level of the road, can weigh close to 5, 10, or 15 tons, and closes the road where the system is installed to vehicle passage and provides control depending on the user's request.
- It is one of the effective solutions to prevent all kinds of assassinations and bomb attacks at points such as business centers, plazas, shopping malls, military bases, critical official institutions, consulates with high security needs.
- Thanks to its hydraulic system, its uptime is 100% and it can work without any problems even in the busiest places.
- It is compatible with all kinds of access control systems thanks to its microprocessor control panel.
- It is easy to use, easy to assemble and safe with its robust structure.





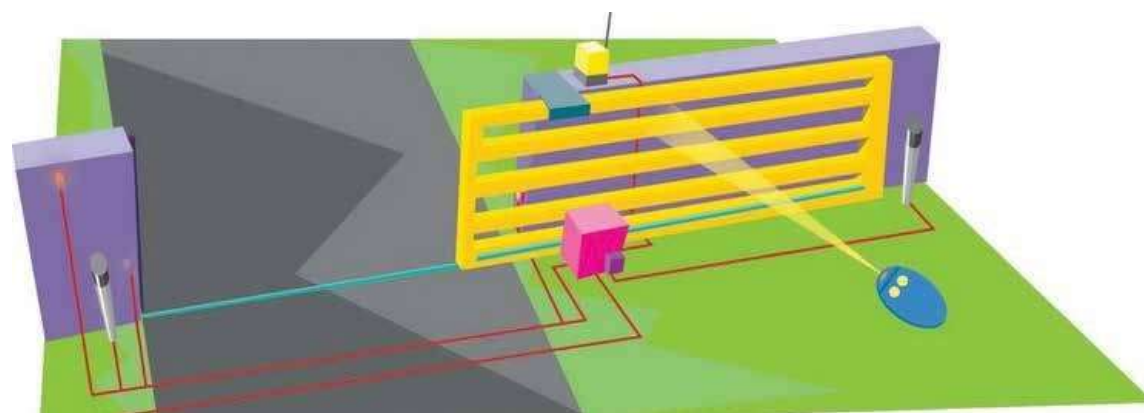


# GARDEN GATE SYSTEMS

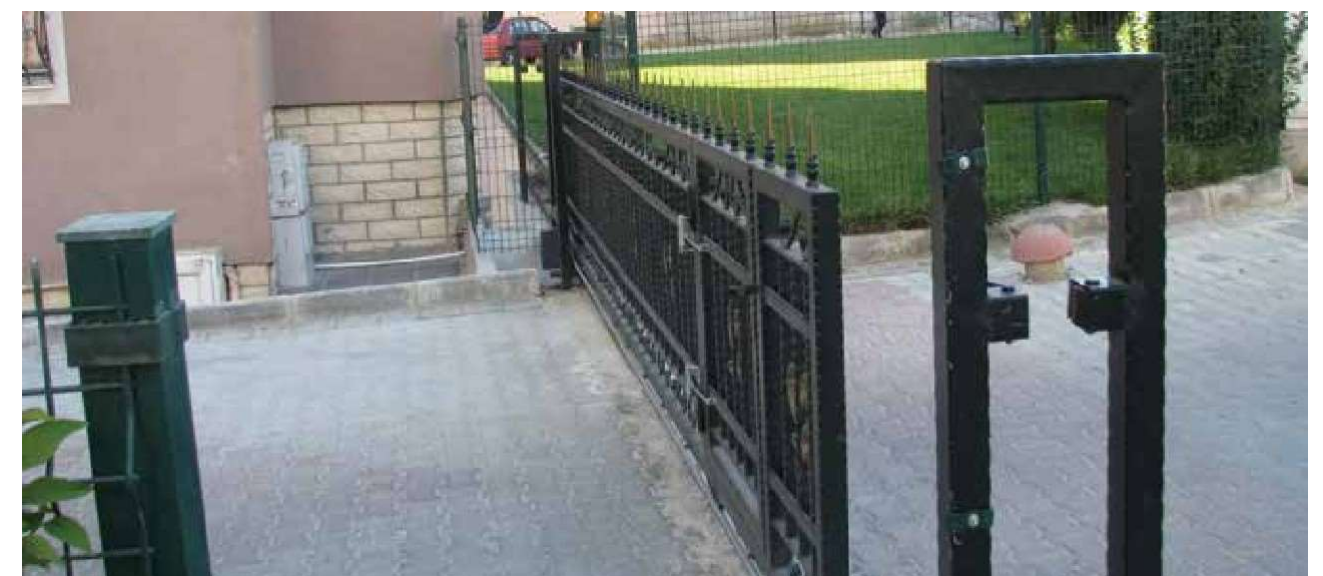




## SIDE SLIP GARDEN GATE SYSTEMS



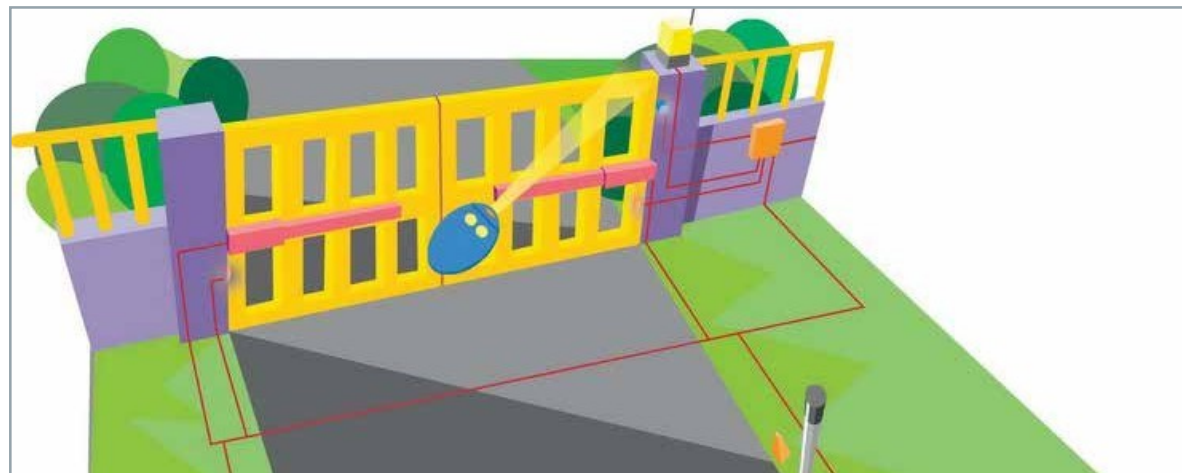
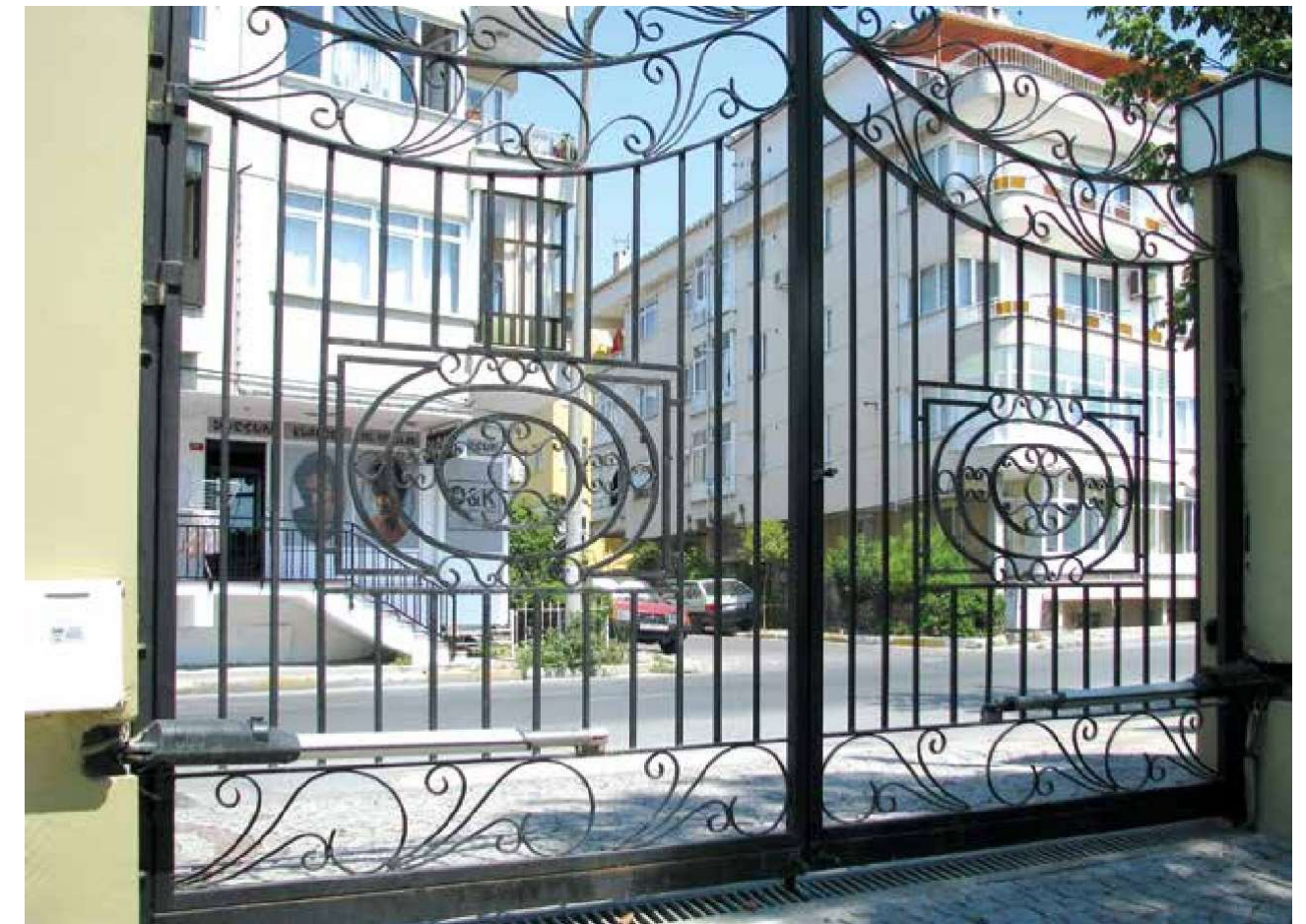
- Automatic sliding garden gates are suitable solutions for villa, apartment, site and industrial facility entrances and exits. Sliding type garden gates minimize time loss with their fast opening feature.
- All motorized sliding gate and wrought iron gate motors have an overheating and overload protection system that extends the service life of the motor and improves operating comfort.
- With automatic side opening door motors, in case of power outages, the sliding door can be opened and closed manually with a key or door movement without a motor, without strain on the rack gears.
- From 300 kg. to 3.000 kg. weight doors, a wide range of applications is possible.
- Control systems according to the area of use or according to customer demand;
  - Button    - Remote Control    - Card/Passcode Access    - Main Switch    - Flasher Lamp



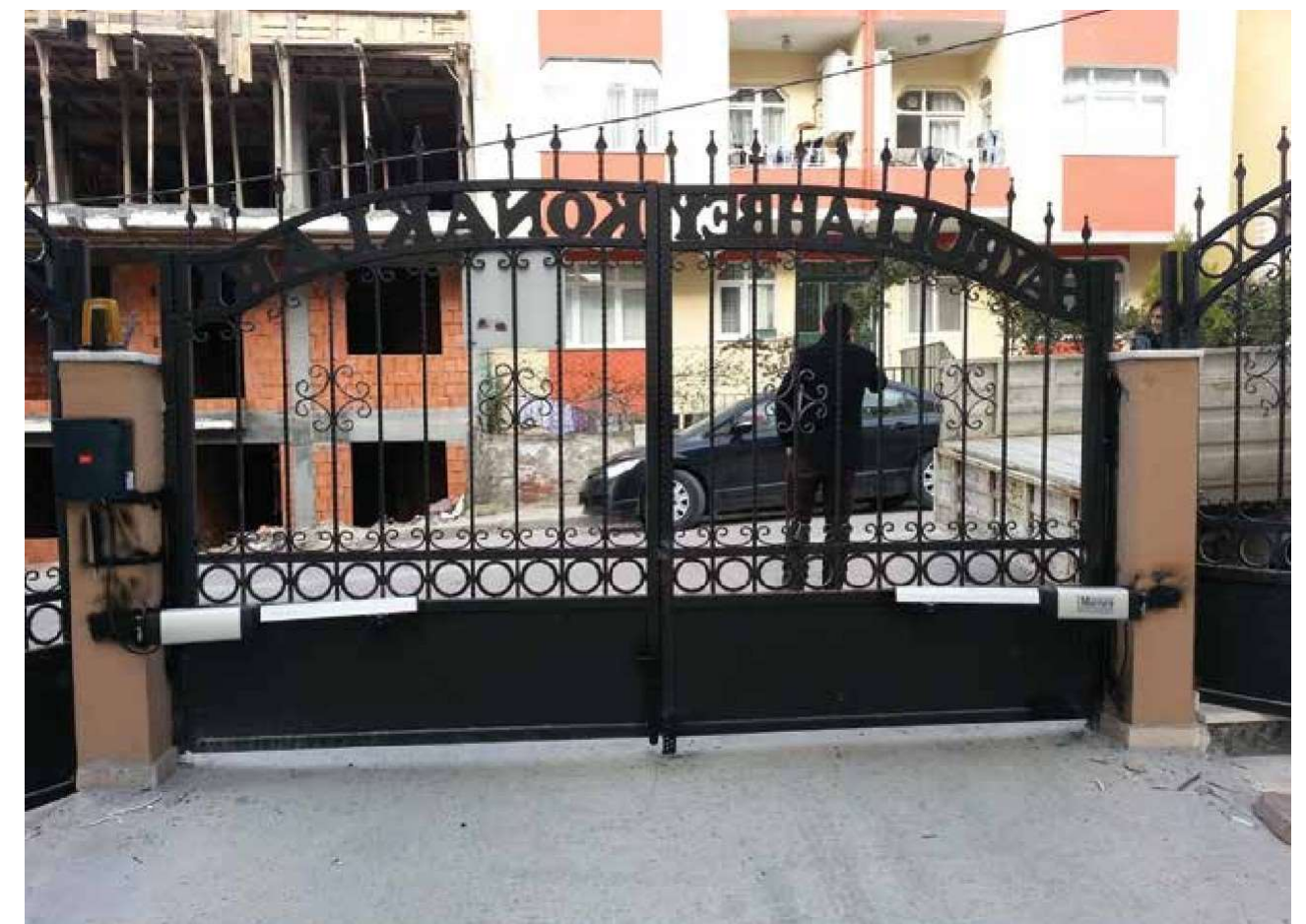




## CIRCULAR OPENING WINGED GARDEN GATE SYSTEMS



- It is a solution produced to control vehicle entrances and exits where security is prioritized. It is the most economical, most robust and safest system due to vehicle safety and limited parking spaces.
- It is an automation system that enables the automatic opening of 90° garden gates located at the entrances of workplaces, factories, apartments, sites, cooperatives, summer houses or villas.
- Circular opening garden gate motors vary according to door leaf weights.
- With a structure that is not affected by weather conditions, all components with electrohydraulic unit are in one unit.
- In case of power failure or malfunction, manual operation of the doors is possible.
- Wing systems according to the area of use or according to the customer's request;
  - Single Wing      - Double Wing
- Control systems according to the area of use or according to the customer's request;
  - Button      - Remote Control      - Card/Passcode Access      - Mass Detector      - Flasher Lamp







# PVC DOOR AND WINDOW SYSTEMS





## PVC DOOR AND WINDOW SYSTEMS



- Providing high insulation in all climatic conditions, PVC meets all kinds of needs thanks to its special panels. It offers different options for door and window design applications with its double wing and double opening features.
- It has ideal solutions that meet all the demands of the consumer with its rich detail profiles, quality accessories, inward and outward opening doors with and without thresholds, monolithic weldless arch applications.
- Since the glass area in doors and windows is larger than the profile, heat loss and gain is due to the glass.
- Therefore, it is an important factor that it is not only double glazing but also Şişecam patented heat glass.
- For extremely hot and sun-exposed facades, comfort glass with light refracting properties and a much higher level of insulation than normal thermal glass should be used.
- For cold regions and facades, Isıcam Sinerji Series should be preferred.







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