

INDUSTRIAL SECTIONAL DOORS

logistic
solutions



DATA SHEETS

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TYPE

KPSIN

Standard sectional doors for civil and industrial buildings. It is used with minimum opening height (h) equal to 450 or 530 mm according to the dimensions.

KPSIS

Sectional door for industrial buildings. Allows maximum free span from the floor to the ceiling.

KPSIV

Full vertical lift sliding sectional door. Ideal for large openings and/or mainly industrial applications.

KPSIR

Sectional door for lowered opening (h).

It is used for civil or industrial buildings.

KPS/SPEC

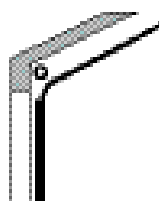
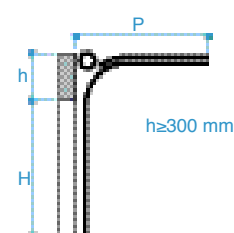
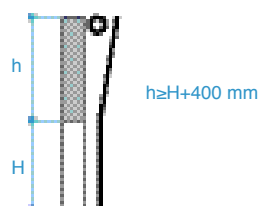
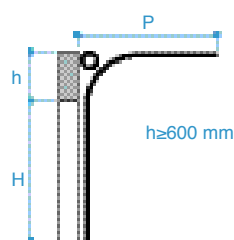
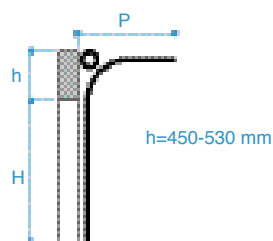
Sectional door for special applications.

Where the door must slide according to the slope of the roof, obliged by particular construction details.

SUMMARY TABLE FOR THE DIFFERENT TYPES

FIG 1

Manual door



Motorised door or with winch

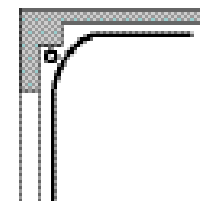
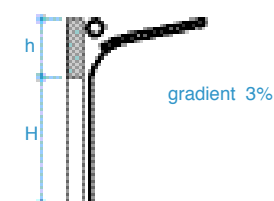
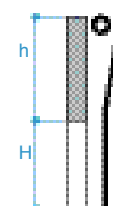
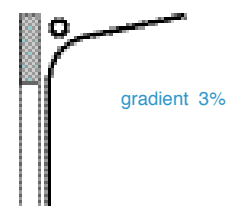
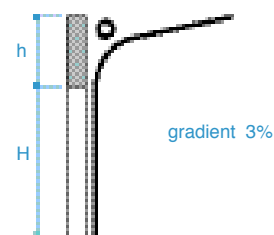
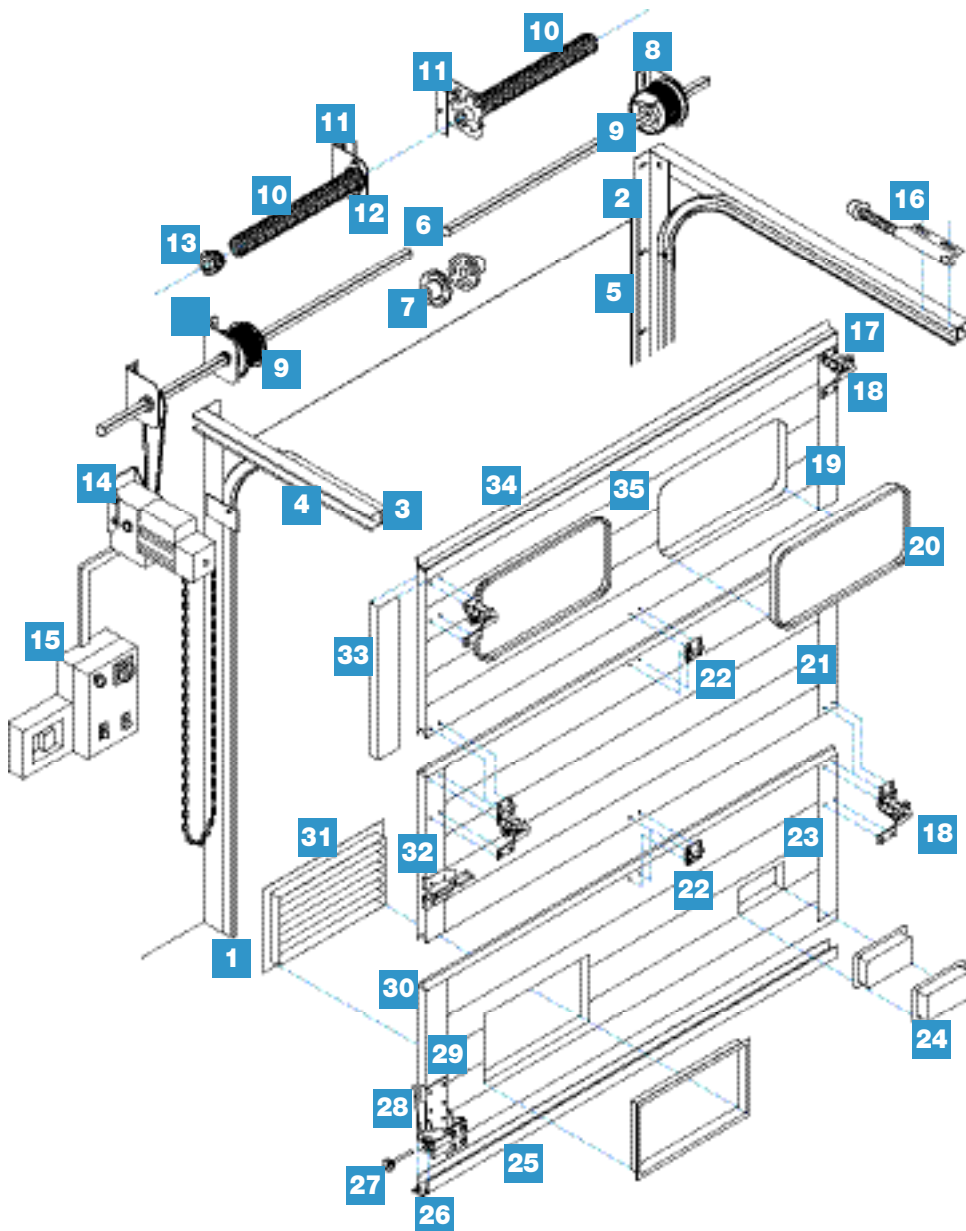


FIG 2



KEY

- 1** VERTICAL GUIDE
- 2** VERTICAL ANGULAR
- 3** HORIZONTAL GUIDE WITH CURVE
- 4** HORIZONTAL REINFORCEMENT
- 5** LATERAL GASKET
- 6** FULL OR HOLLOW MILLED SHAFTS
- 7** MILLED SHAFTS COUPLING JOINT
- 8** MILLED SHAFT SUPPORT BRACKET
- 9** DRUM
- 10** TWO-BLADED SPRING
- 11** SPRING ANTI-BREAKAGE DEVICE
- 12** FIXED CONE
- 13** LOADING CONE
- 14** MOTORISATION
- 15** CONTROL BOARD
- 16** SHOCK ABSORBER DEVICE
- 17** SHORT ROD WHEEL
- 18** WHEELS SUPPORT (BRACKET + BRIDGE)
- 19** UPPER PANEL
- 20** INSPECTION WINDOW
- 21** INTERMEDIATE PANEL
- 22** HINGE
- 23** BASE PANEL
- 24** LIFTING HANDLE
- 25** LOWER GASKET SUPPORT SECTION
- 26** LOWER GASKET
- 27** SHORT ROD WHEEL
- 28** LIFTING CABLE
- 29** ROPES SAFETY CATCH
- 30** BASE LATERAL BOX
- 31** AIRING GRID
- 32** CHAIN
- 33** LATERAL BOX
- 34** UPPER GASKET
- 35** UPPER GASKET SUPPORT SECTION

INTRODUCTION

LAYOUT OF THE MAXIMUM NUMBER OF PANELLING

See Fig. 5.

PANELS COMBINATION LAYOUT

FIG 3



EXAMPLE OF DOOR WITH 4 PANELS

FIG 4

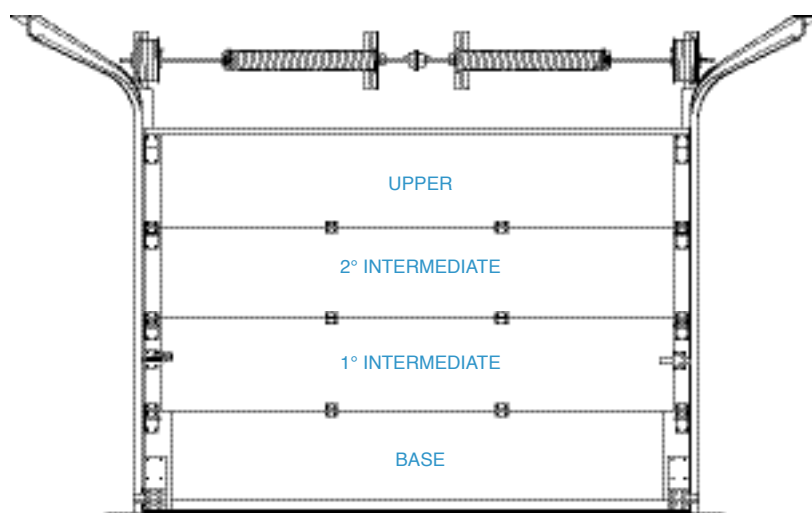


FIG 5

										H door (mm)
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	Upper					3120
h panel	610	610	610	610	610					
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	Upper				3400
h panel	610	610	610	500	500	500				
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	Upper				3730
h panel	610	610	610	610	610	610				
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	Upper			4120
h panel	610	610	610	610	610	500	500			
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	Upper			4340
h panel	610	610	610	610	610	610	610			
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	6° Intermediate	Upper		4510
h panel	610	610	610	610	500	500	500	500		
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	6° Intermediate	Upper		4840
h panel	610	610	610	610	610	610	610	500		
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	6° Intermediate	Upper		4950
h panel	610	610	610	610	610	610	610	610		
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	6° Intermediate	7° Intermediate	Upper	5230
h panel	610	610	610	610	610	610	500	500	500	
Position	Base	1° Intermediate	2° Intermediate	3° Intermediate	4° Intermediate	5° Intermediate	6° Intermediate	7° Intermediate	Upper	5560
h panel	610	610	610	610	610	610	610	610	610	

KPSIN - STANDARD SLIDING SECTIONAL DOOR

The door is supplied with H up to 5560 mm and width L up to 7500 mm. Further details regarding the features and clearance of large doors will be supplied directly by our technical dept. Doors with widths equal or larger than 5250 mm are supplied with reinforcement against wind.

The door must be mounted with the suitable adaptations regarding tightness of the hooks of the horizontal parts at the ceiling, even with opening (h) greater than that indicated in the table. To determine the door clearance with winch or motorisation, consult the Motorisation Accessories chapter (see page. 20).

Further details regarding the effective upper minimum space (h) and any feasibility of doors with height greater than width will be supplied directly by our Technical Dept. The special version is available for sloped ceilings.

Doors with height less than 3400 mm can be equipped with a drive motor, more precisely: D600 motors for surfaces up to 7 m² and D1000 motors for surfaces no bigger than 15 m². All doors are equipped with "spring safety catch" and "cables safety catch" devices (see page 19).

ATTENTION

Ceiling mounting of the spring holder shaft must always be signalled.

NOTE

The choice of the number of hooks on the ceiling depends on the depth P and the weight of the door in the most demanding position.

FIG 6

DOOR DIMENSIONS (L x H)	OPENING (h)	LATERAL SPACES (LEFT - RIGHT)	SPACE IN DEPTH (P)
See graphics (Fig. 9)	450 mm	120 mm	H+600 mm
See graphics (Fig. 9)	530 mm	120 mm	H+600 mm

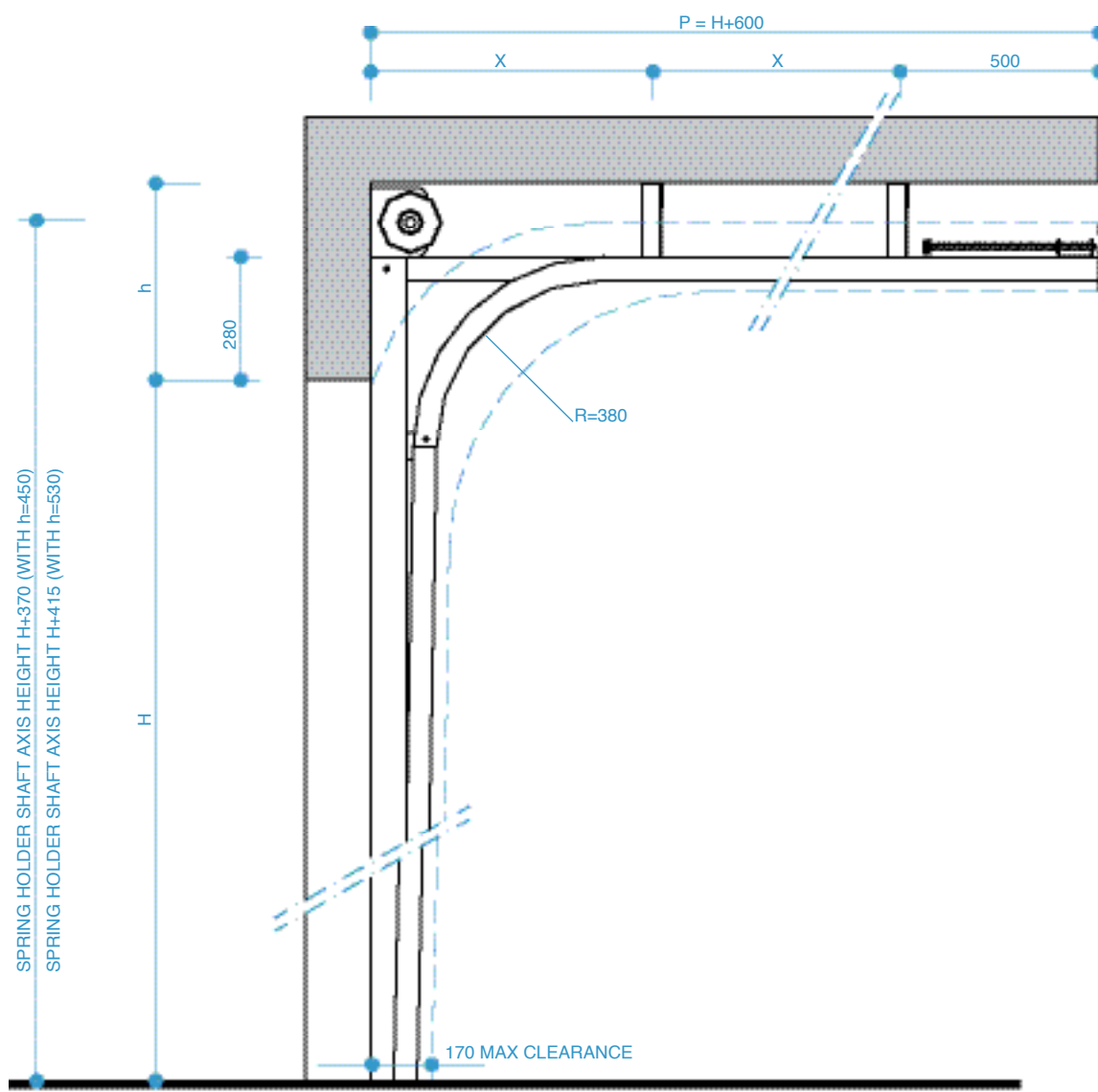


FIG 7

DEPTH P mm	WEIGHT* Kg	N°. of HOOKS	HOOK POSITIONS X mm
≈2500	≈200	1LEFT+1RIGHT	P-500
2510÷4000	201÷500	2LEFT+2RIGHT	(P-500):2 Intermediate hooks
>4010	>501	3LEFT+3RIGHT	(P-500):3 Intermediate hooks

* Indicative weight at $m^2=15$ Kg

FIG 8

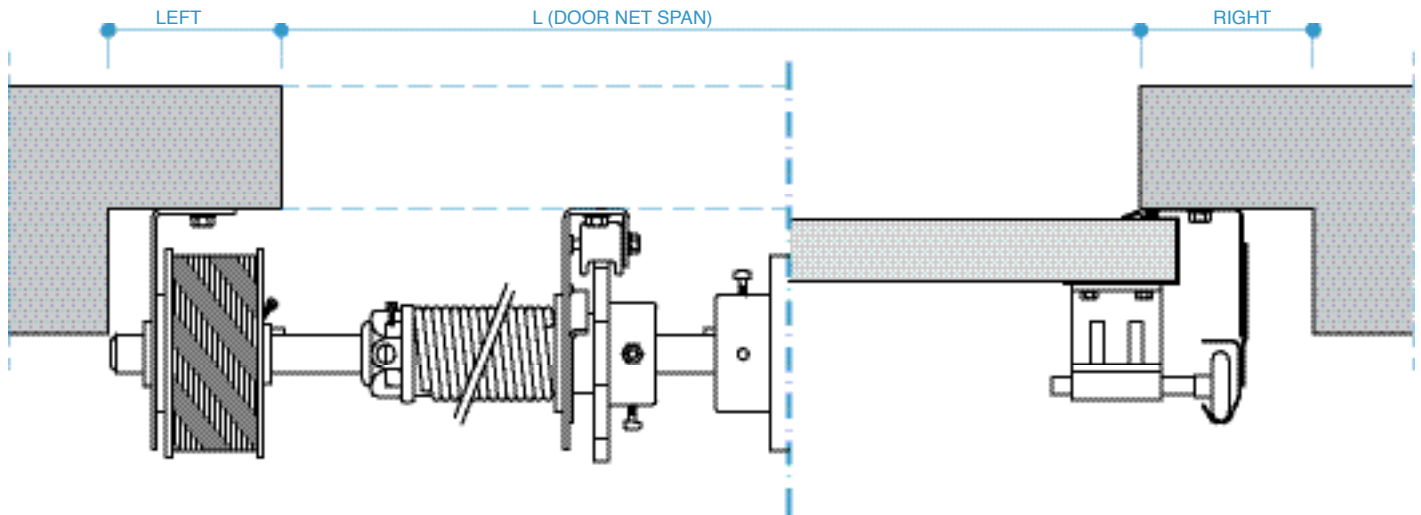
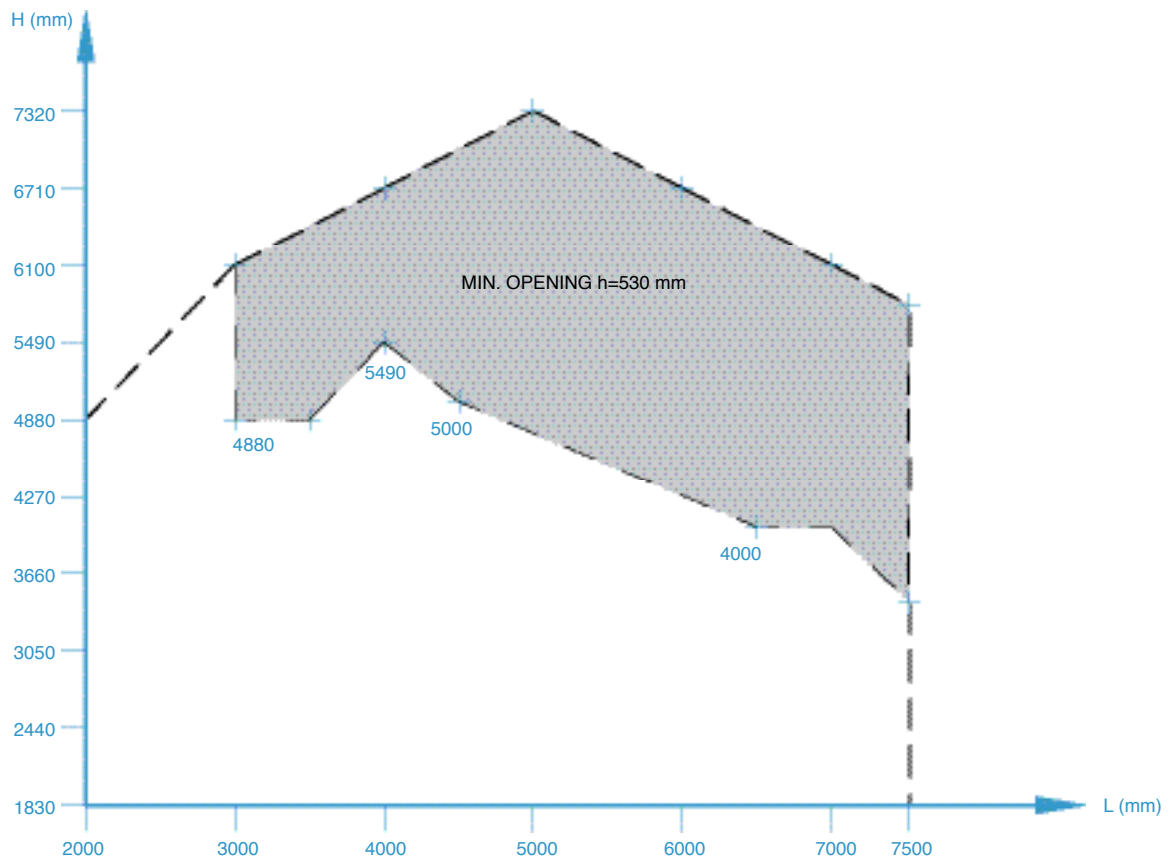


FIG 9



KPSIS - HIGH OPENING SECTIONAL DOOR

Allows the maximum span between the floor and the ceiling. Refer to the Special Versions chapter (see page 16) for cases of route passage technical clearance. The door is supplied with H up to 5560 mm and with L requested according to the feasibility diagram, described in more detail on the next page.

Further details regarding the features and clearance of large doors will be supplied directly by the Technical Dept.

Doors with widths equal or larger than 5250 mm are supplied with reinforcements against wind.

To determine the door clearance with winch or motorisation, consult the Motorisation Accessories chapter.

All doors are equipped with "spring safety catch" and "cables safety catch" devices (see page 19).

NOTE

The choice of the number of hooks on the ceiling depends on the depth P and the weight of the door in the most demanding position.

The only weight intended is that present inside the horizontal guides, which can be determined in the following way: Tot. weight x (H-HL/H).

FIG 10

HEIGHT (H)	HIGH-LIFT (HL)	LATERAL SPACES (LEFT - RIGHT)	SPACE IN DEPTH (P)
up to 5560 mm	h-350 mm	120 mm	H-HL+400 mm

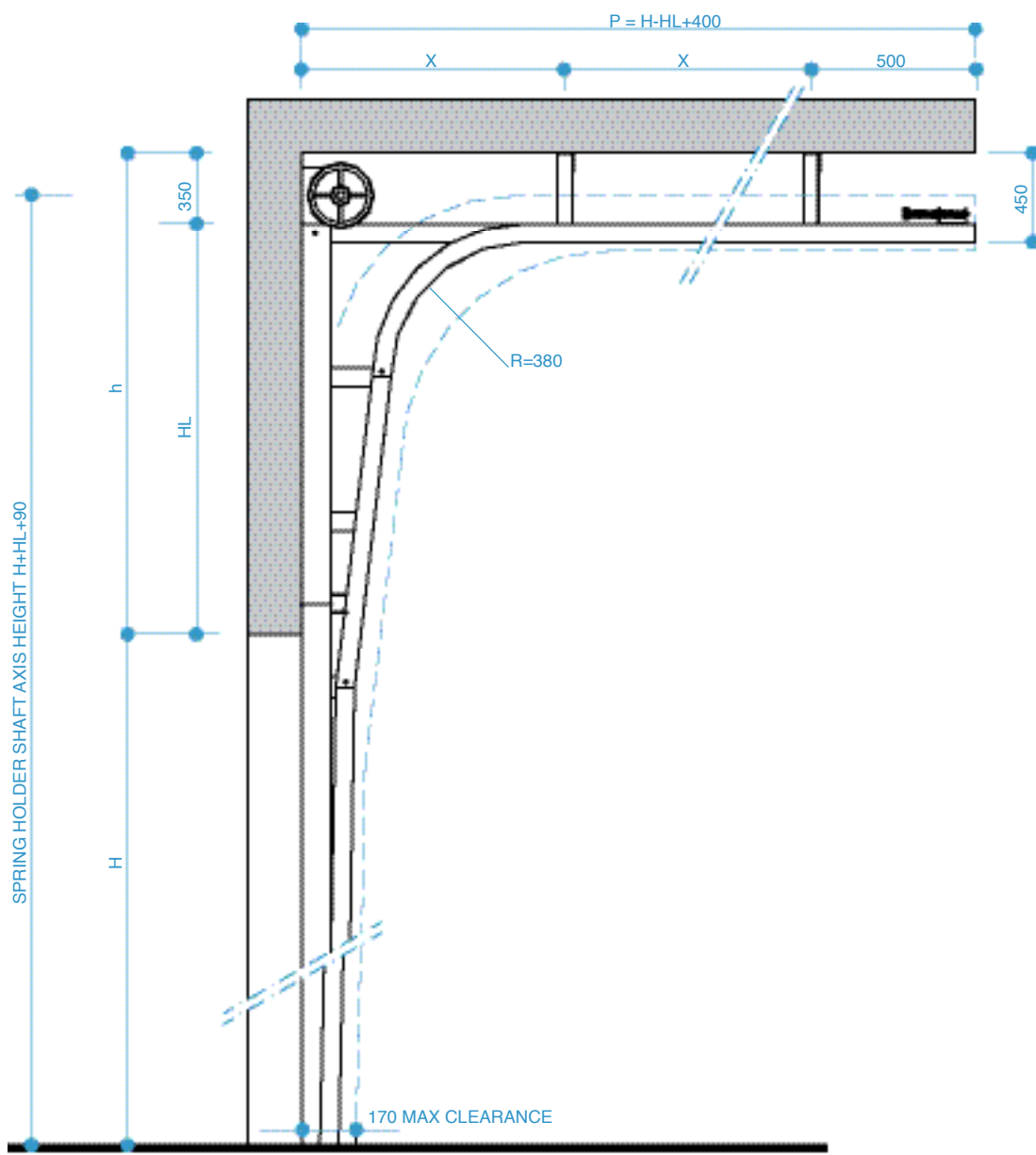


FIG 11

DEPTH P mm	WEIGHT * Kg	N°. of HOOKS	HOOK POSITIONS X mm
≈2500	≈200	1LEFT+1RIGHT	P-500
2510÷4000	201÷500	2LEFT+2RIGHT	(P-500):2 Intermediate hooks
>4010	>501	3LEFT+3RIGHT	(P-500):3 Intermediate hooks

* Indicative weight at $m^2=15$ Kg

FIG 12

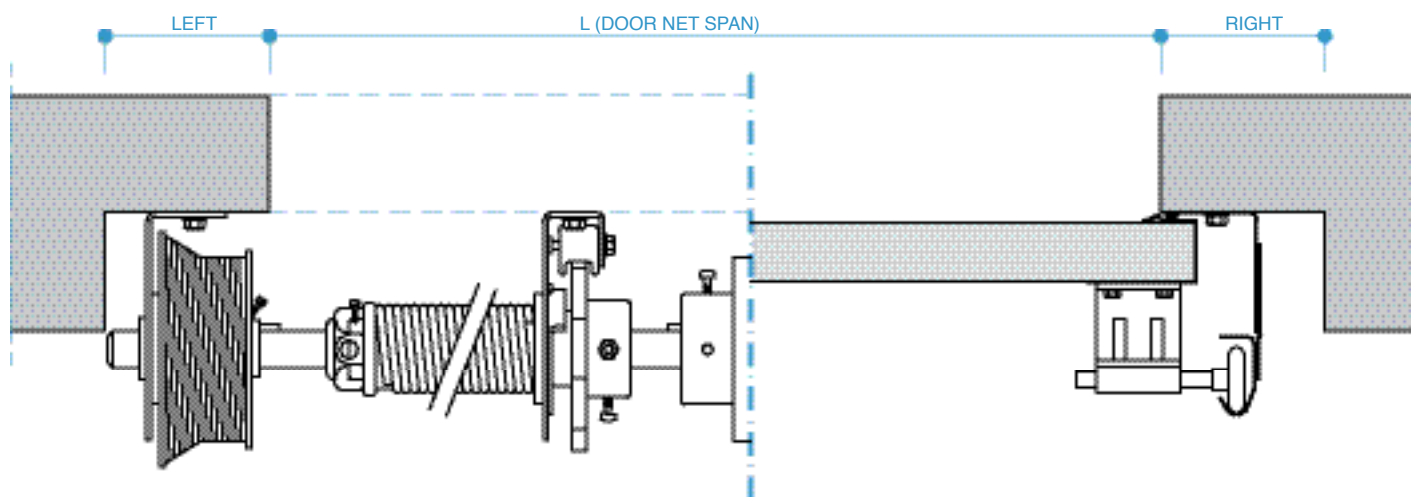
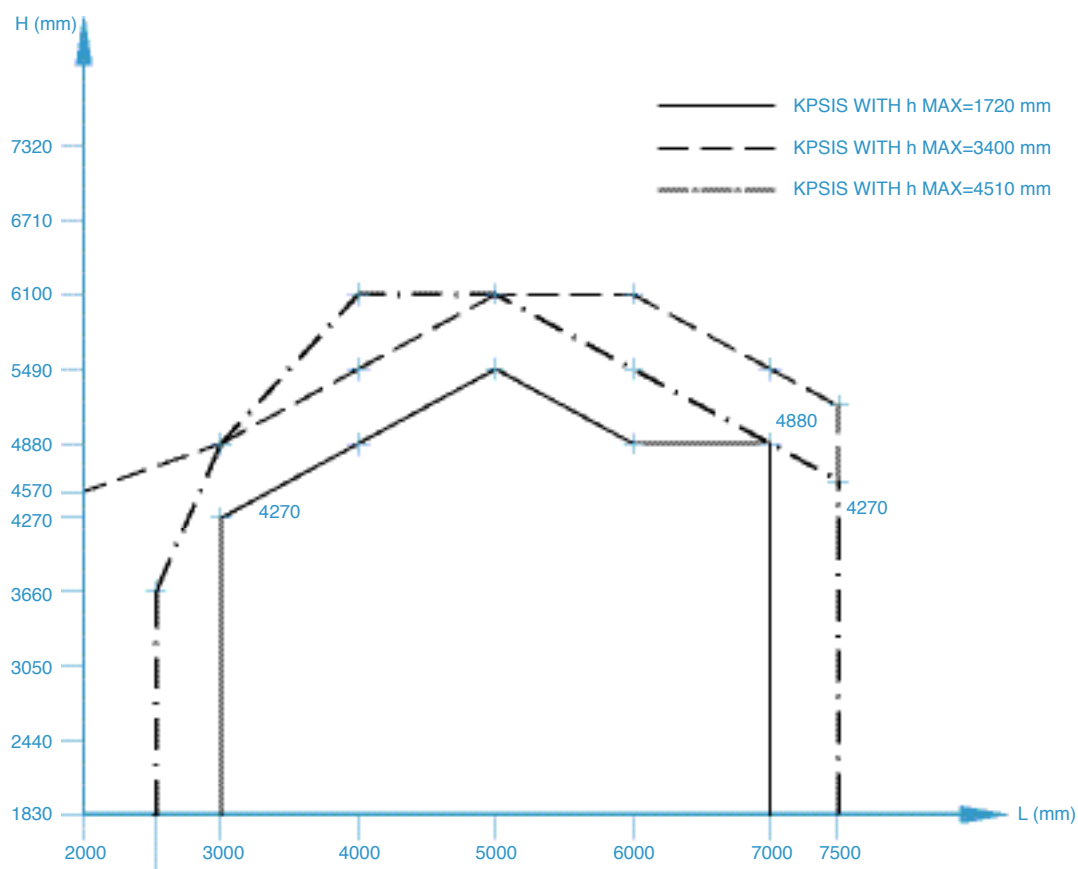


FIG 13



KPSIV – FULL VERTICAL LIFT SECTIONAL DOOR

Suitable for large openings, allowing the installation of bridge cranes behind the door itself, whose characteristic is not to occupy depth space. The door is supplied with H up to 5560 mm and with L requested according to the feasibility diagram, specified in detail on the following page. Further details regarding the features and details of feasibility of large doors will be supplied directly by our Technical Dept. Doors with widths equal to or larger than 5250 mm are supplied with reinforcements against wind.

All doors are equipped with “spring safety catch” and “cables safety catch” devices (see page 19).

To determine the door clearance with winch or motorisation, consult the Motorisation Accessories chapter.

IMPORTANT

For doors whose dimensions lie within the portion of the graphics shown on page 13 (fig. 16), contact the Technical Dept.

FIG 14

HEIGHT (H)	OPENING (h)	LATERAL SPACES (LEFT - RIGHT)
fino a 5560 mm	H+400 mm	120 mm

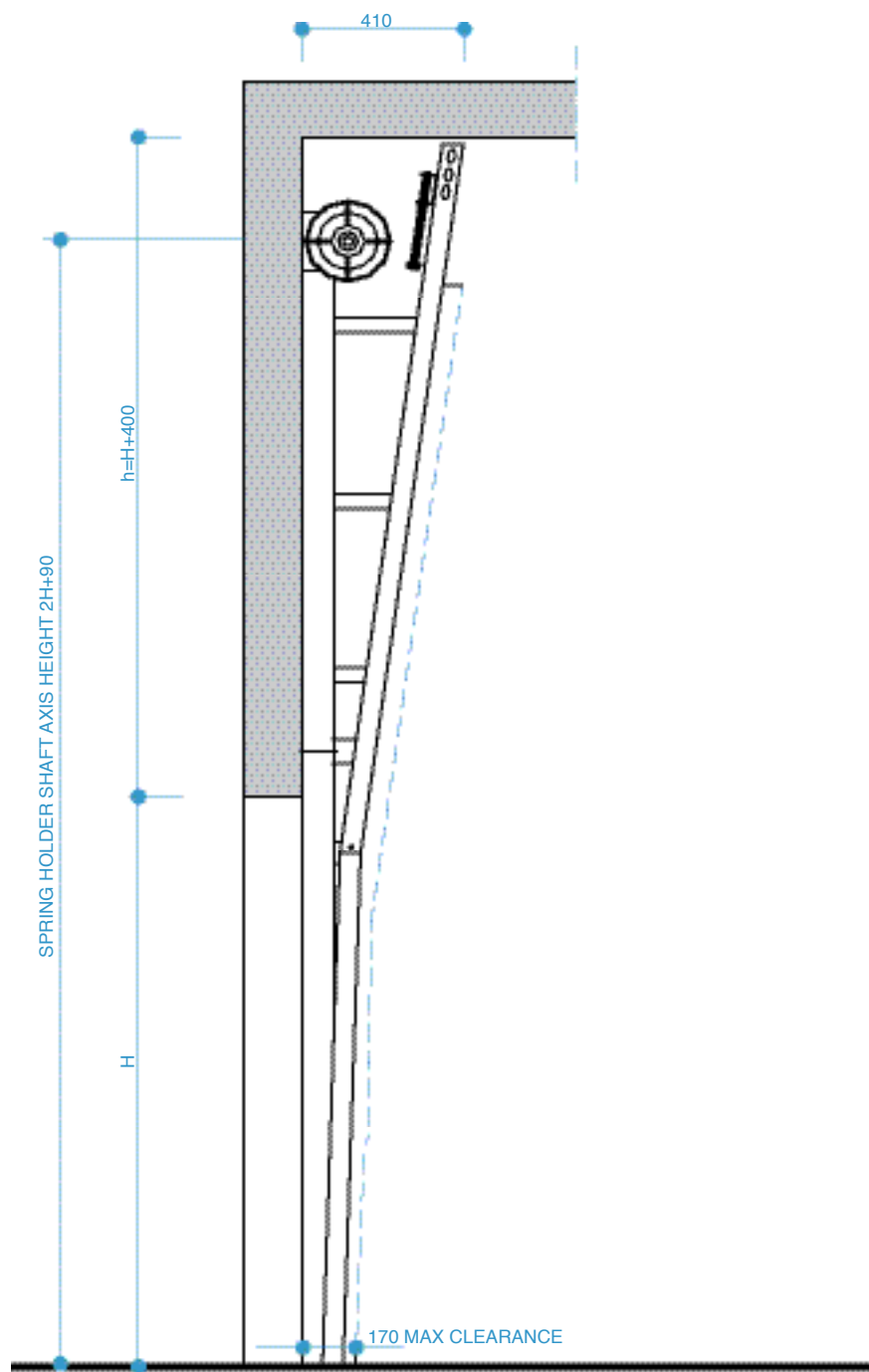


FIG 15

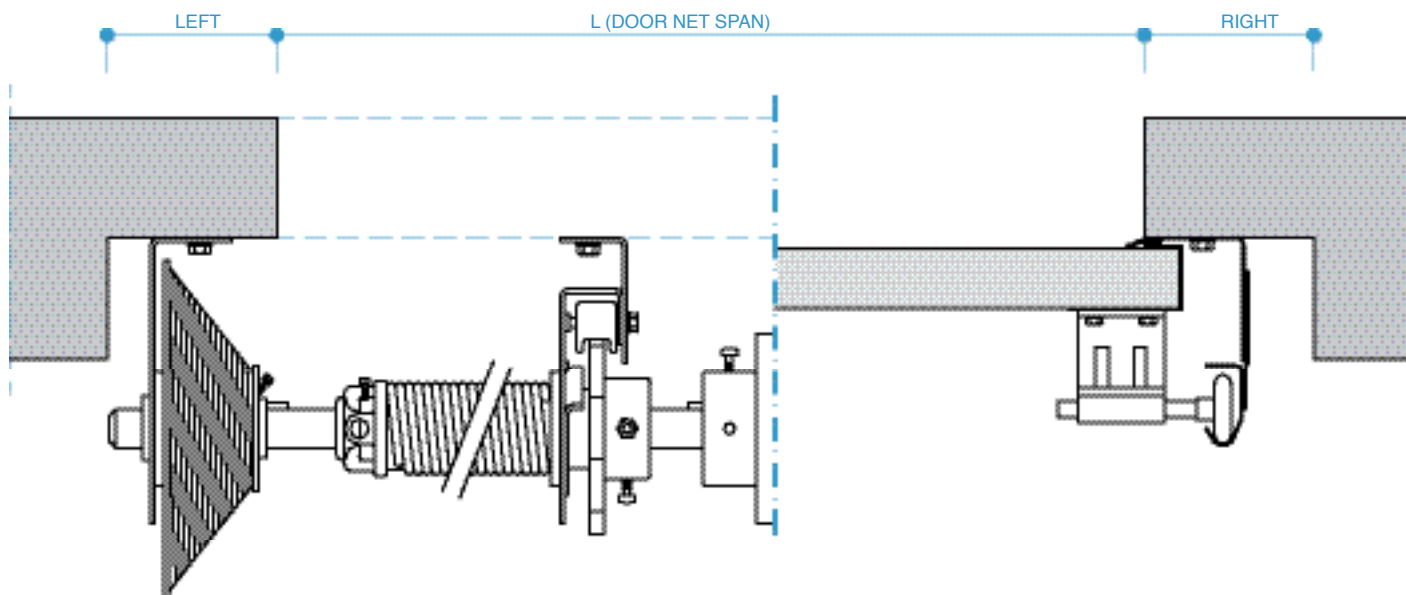
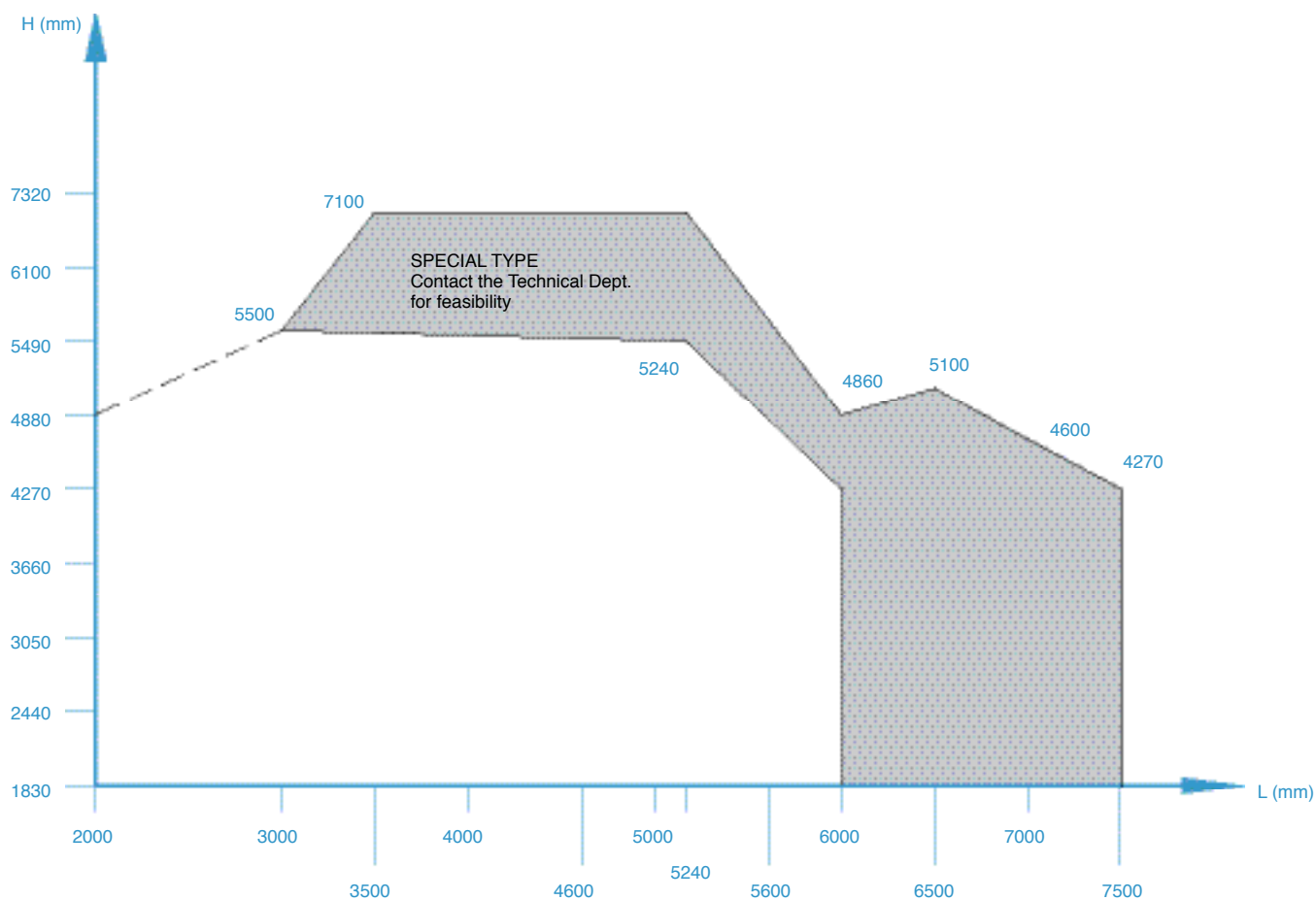


FIG 16



KPSIR – REDUCED OPENING SECTIONAL DOOR

To use this door the minimum opening (h) must be at least $h=300$ mm. The door is supplied with height (H) up to 5500 mm and with L requested according to the feasibility diagram, specified in detail on the following page. Doors with widths equal to or larger than 5250 mm are supplied with reinforcements against wind.

The Special Version is available for cases with sloped ceiling (up to a maximum gradient of 5%).

To determine the door clearance with winch or motorisation, consult the Motorisation Accessories chapter.

Doors with height less than 3400 mm can be equipped with a drive motor, more precisely:

A) D600 motor for surfaces up to 7 m²;

B) D1000 motor for surfaces up to 15 m².

All doors are equipped with “spring safety catch” and “cables safety catch” devices (see page 19).

NOTE

Ceiling mounting of the spring holder shaft must always be signalled.

FIG 17

HEIGHT (H)	OPENING (h)	LATERAL SPACES (LEFT - RIGHT)	SPACE IN DEPTH (P)	PASSAGE NET SPAN (Hn)
See fig. 20	300 mm minimum	120 mm	H+600 mm	H-150 mm

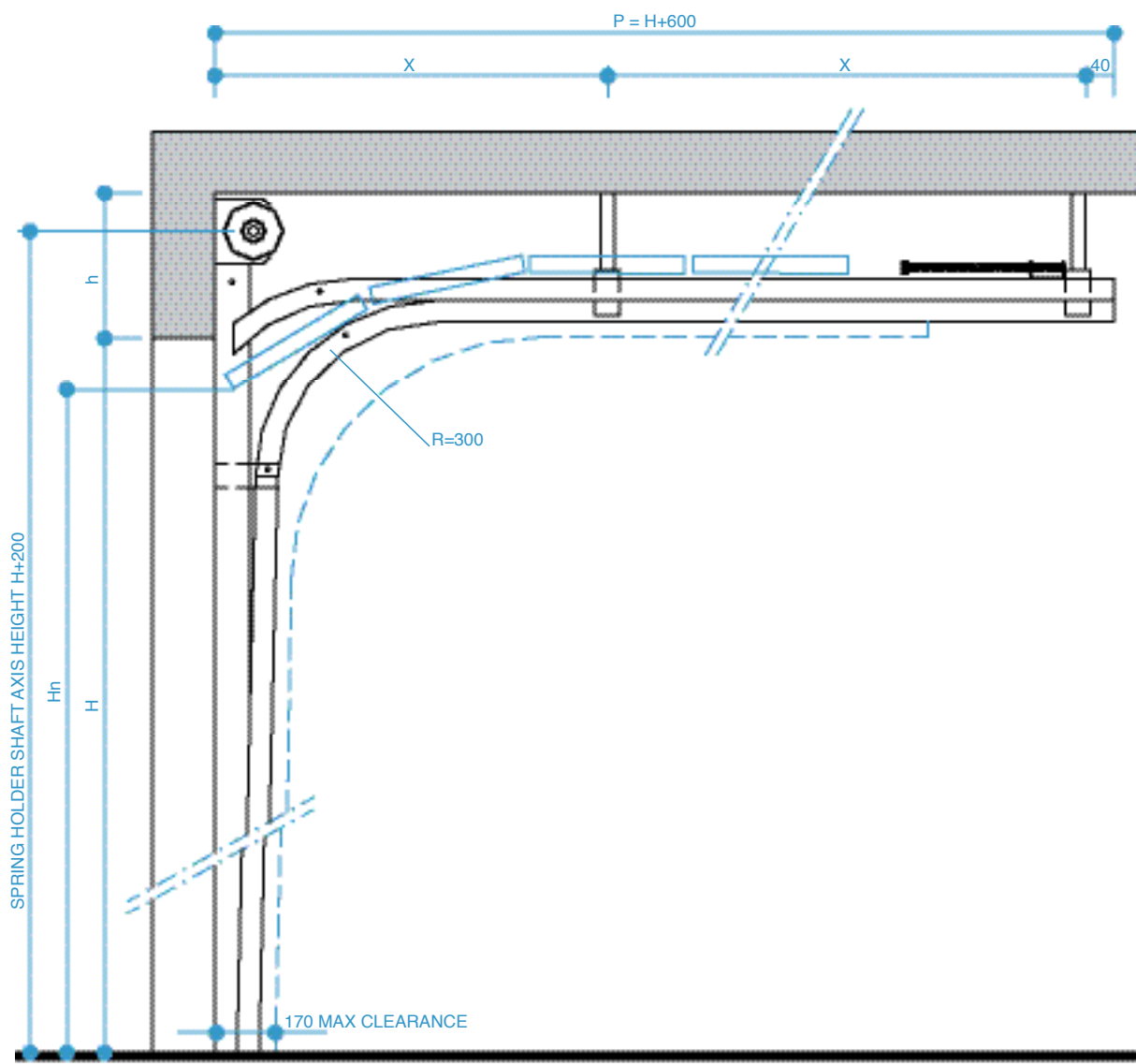


FIG 18

HEIGHT H mm	N°. of HOOKS	HOOK POSITIONS X mm
≤2780	2LEFT+2RIGHT	≤1500
2790÷4070	3LEFT+3RIGHT	≤1500 intermediate hooks
≥4070	3LEFT+3RIGHT	as per KPSIN

FIG 19

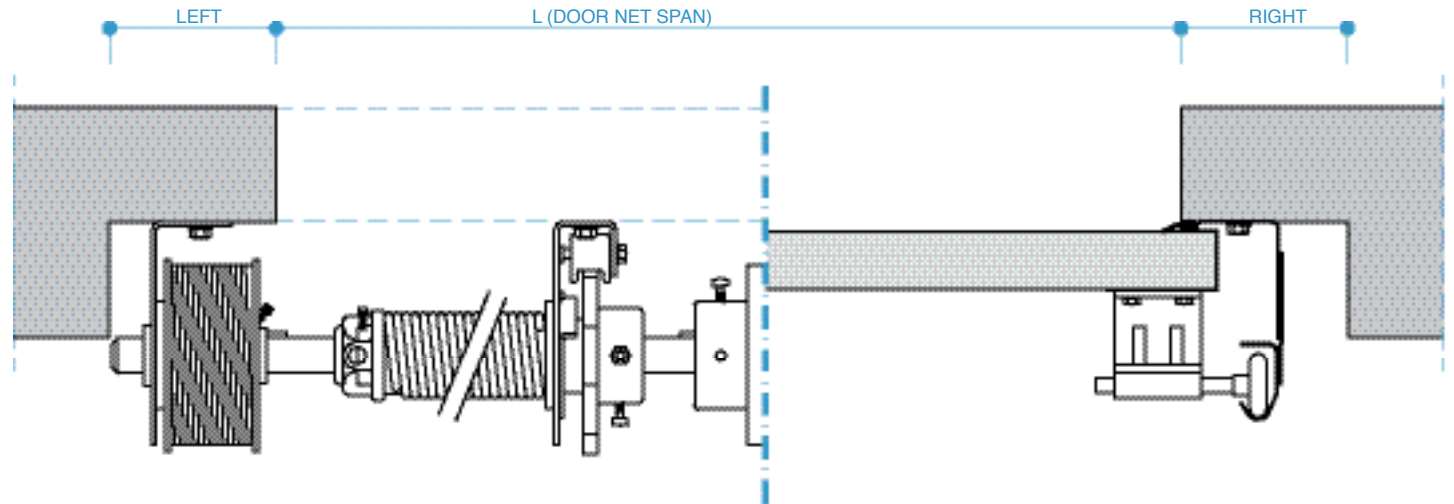
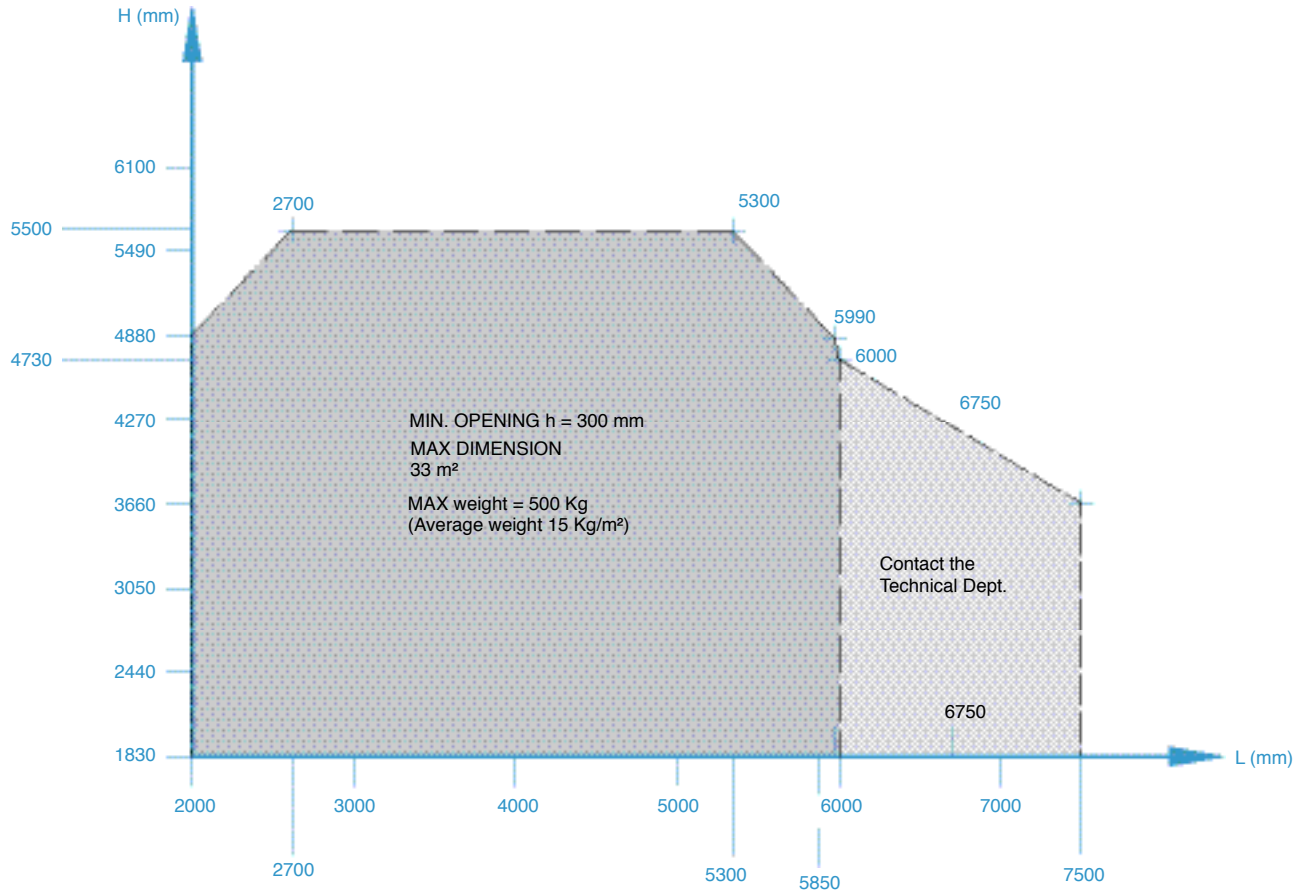


FIG 20



KPS/SPEC – SPECIAL VERSION SECTIONAL DOORS

The door can be installed in particular situations such as the inclination of the ceiling or in the presence of obstacles such as beams, overhead cranes, trusses and piping.

In order to adopt the most suitable solution a detailed inspection of the place where the door is to be positioned must be carried out.

Using the KPSIS the solution given in the first two drawings is possible, while the solution described in the third drawing is used for the KPSIN

With this solution it is possible to avoid the obstacle by reducing clearance to a minimum.

With modification of the standard position of the spring holder shaft and the horizontal guides, the door must be installed in the presence of an overhead crane.

The special doors can also be installed in the presence of a sloped ceiling.

The solutions indicated must be previously checked by our Technical Dept. on the basis of a precise inspection of the status of the places.

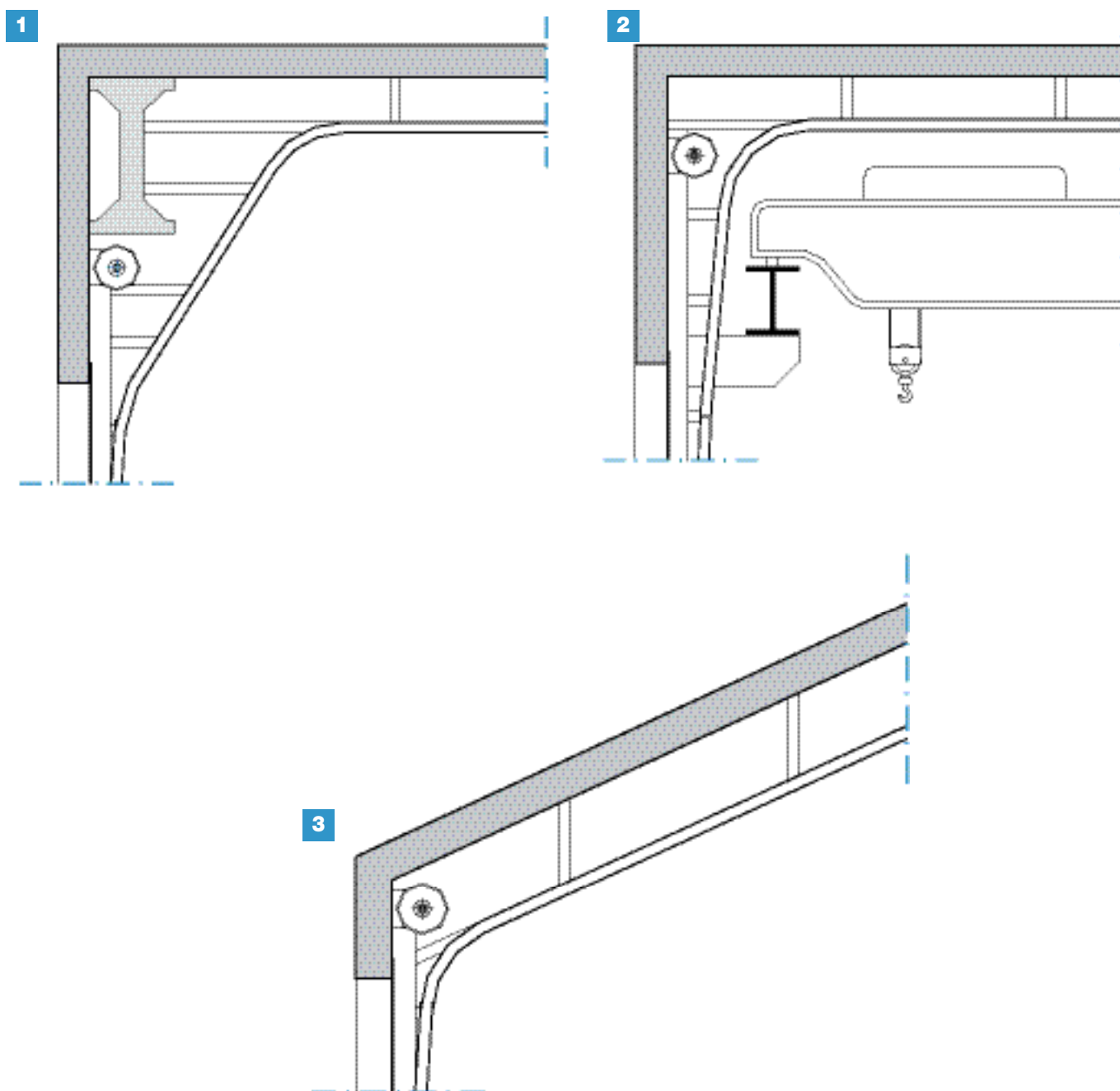
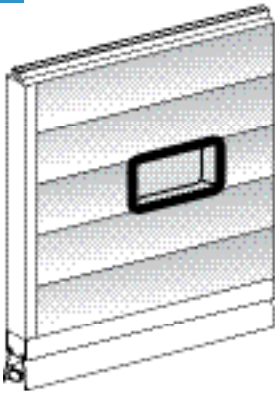
FIG 21

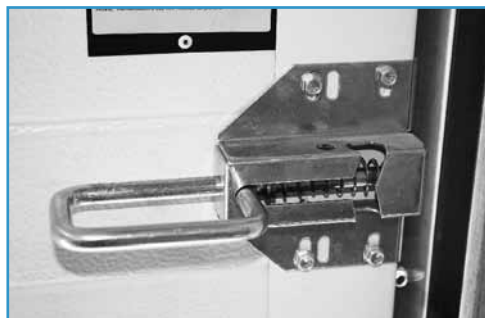
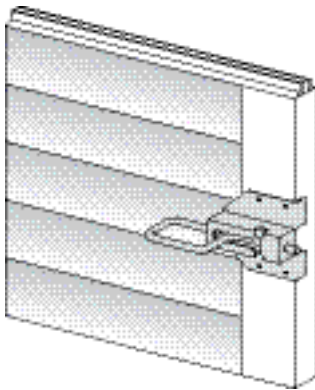
FIG 22



LIFTING HANDLE

Rectangular int./ext. recessed lifting handle inserted into the door base panel with grooved panels.

FIG 23



LOCKABLE CHAIN

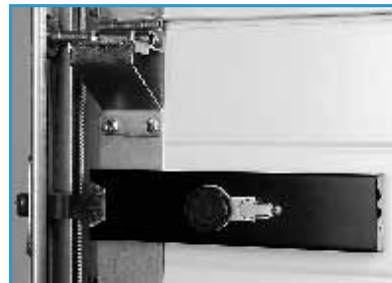
Internal manoeuvre manual latch.

The industrial type doors are always supplied with a chain for indoor closure.

FIG 24



EXTERNAL VIEW

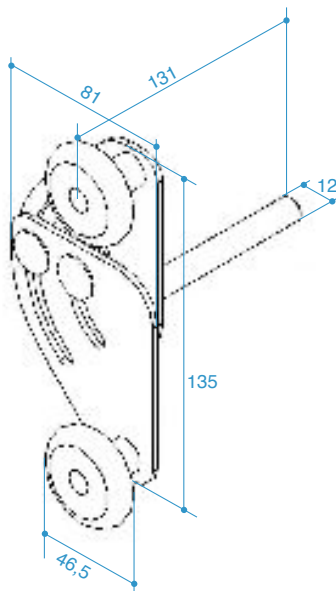


INTERNAL VIEW

INDOOR/OUTDOOR LOCK

A lock can be supplied on request that allows a double manoeuvre both from inside and outside.

FIG 25



TANDEM WHEELS SUPPORT

It is supplied on request for doors with width up to 3000 mm and height up to 3500 mm.

SINGLE WHEEL SUPPORT

For doors up to L=6000 mm.

DOUBLE WHEEL SUPPORT

The double wheel support is mounted on doors with width L>6000.

REINFORCEMENT AGAINST WIND

It is mounted on doors with panels that have a width equal to or greater than 5250 mm and on all doors equipped with pedestrian door.

UPPER WHEELS SUPPORT FOR KPSIN, KPSIS, KPSIV

UPPER WHEELS SUPPORT FOR KPSIR

FIG 26

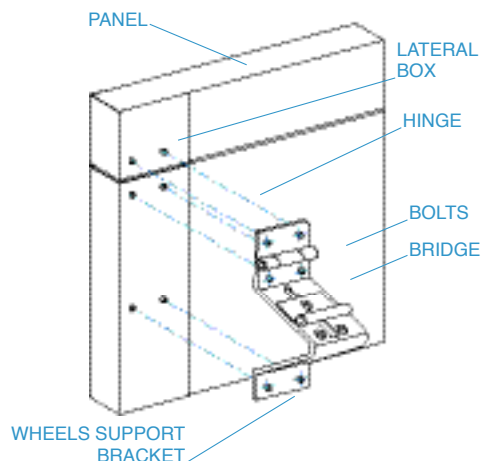


FIG 27

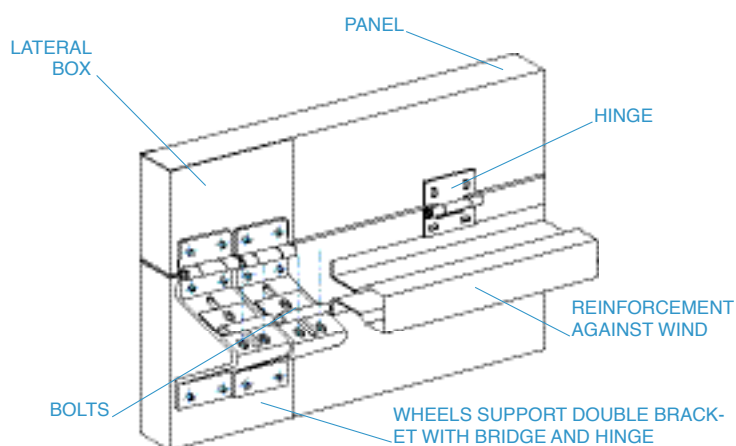


FIG 28

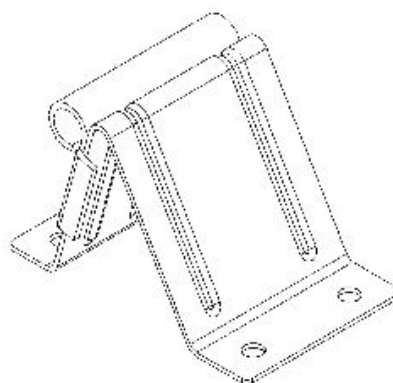


FIG 29

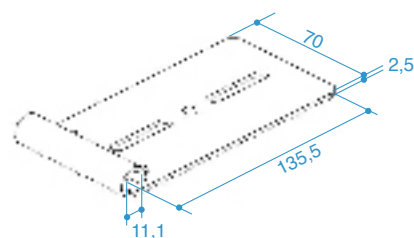
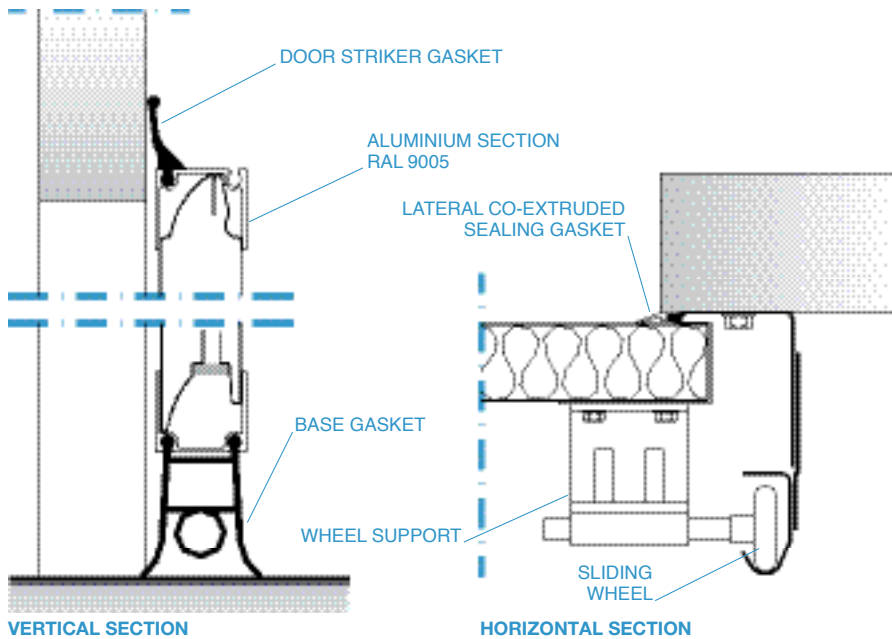
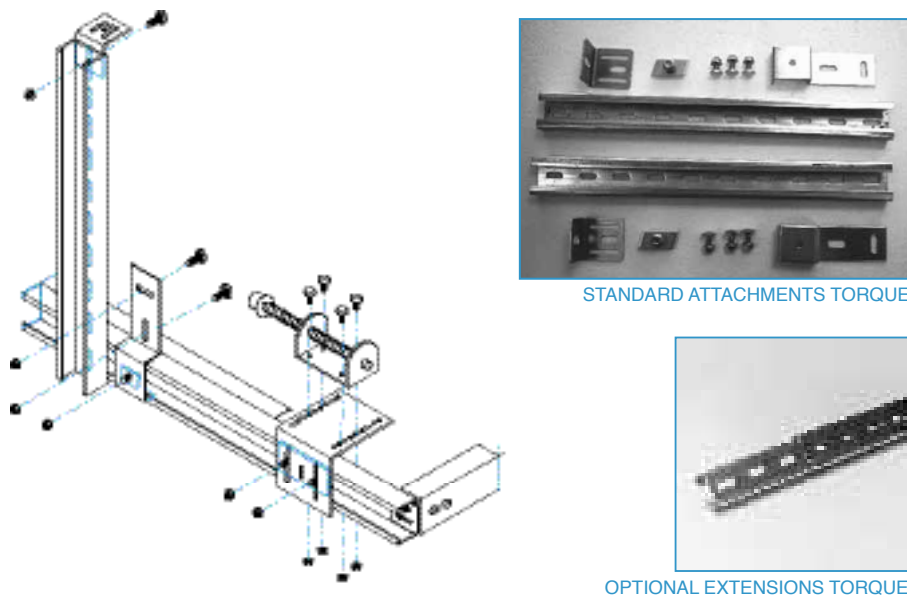


FIG 30



ASSEMBLY OF THE DOOR ONTO THE BRICKWORK WALL

FIG 31



CEILING ATTACHMENTS TORQUE AND SUSPENSION KITS TORQUE AS PER STANDARD

The kit is made up from:

- N° 2 drilled sections L=500 mm.
- N° 2 ceiling plates.
- N° 2 guide attachments.
- Screws.

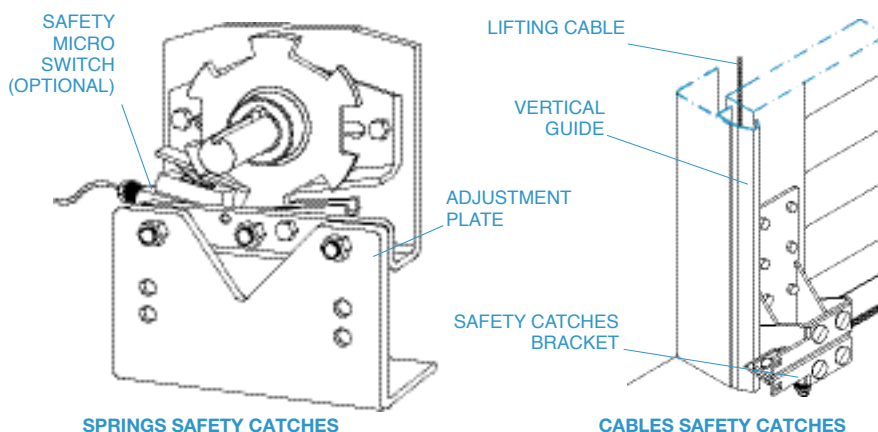
OPTIONAL TELESCOPIC SUSPENSION KIT TORQUE

Suspensions extension kit for openings above 500 mm.

The kit is made up from:

- N° 1 drilled section L=500 mm.

FIG 32



SPRINGS SAFETY CATCHES AND CABLES SAFETY CATCHES

As per standard on all Koprion doors.

ACCESSORIES

MOTORISATION

All doors are prepared for the motorisation to be installed on the longest right side of the milled shaft, on the left on request.

GEARED MOTOR ASSEMBLY

The motor can be flushed directly onto the shaft or with chain return transmission.

OPTIONAL

Flashing light, photocells, safety sensitive edge, micro switch for the anti-fall device in case of two-bladed spring breakage and safety device with magnetic sensor if the pedestrian door is present.

Available on request: two or four-channel transmitter, key selector switch for outdoors, photo-cell column, magnetic and radar detector. (See page 34)

NOTE

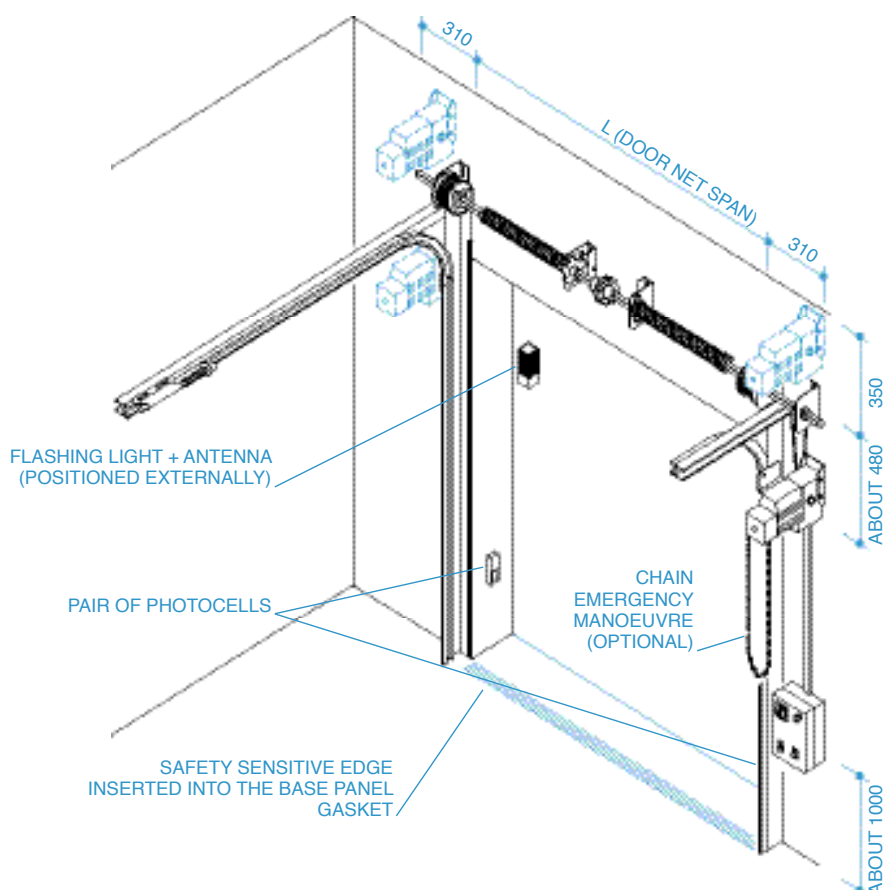
The external motor block device is missing from this motorisation.

TECHNICAL FEATURES

GEARED MOTORS

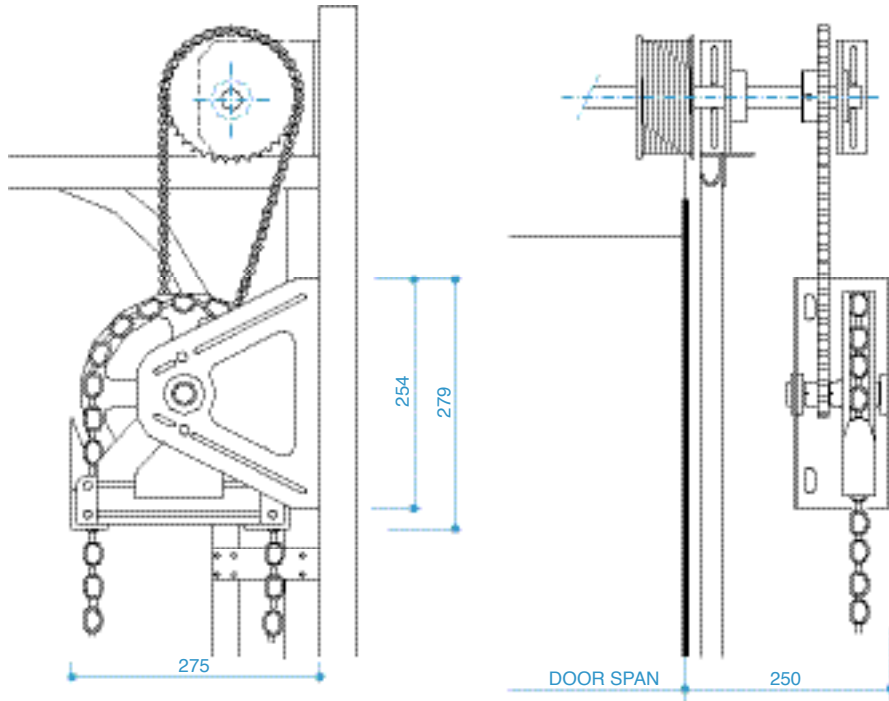
INDUSTRIAL DOORS

FIG 33



GEARED MOTOR TECHNICAL FEATURES		
	SINGLE PHASE	THREE PHASE
Power supply (Vac 50-60Hz)	230 (+6 -10%)	400 (+6 -10%)
Electric motor	asynchronous single phase 1450 rpm	asynchronous three phase 1450 rpm
Maximum power absorbed (W)	800	420
Absorbed current (A)	3,5	1,1
Start condenser (µF)	20	-
Winding heat protection (°C)	140	140
Frequency of use (S3)	40%	60%
Max. number of consecutive cycles	5	6
Drive	hollow through shaft diam. 25.4 mm (1")	Hollow through shaft diam. 25.4 mm (1")
Drive rotation speed (rpm)	23	23
Nominal torque at drive (Nm)	50	70
Max drive revs.	24	24
Protection rating	IP 54	IP 54
Environmental temperature (°C)	-20 / +55	-20 / +55
Max. weight of the motor reducer (Kg)	14	14
Oil type	FAAC XD220	FAAC XD220
Quantity of oil (l)	0,9	0,9

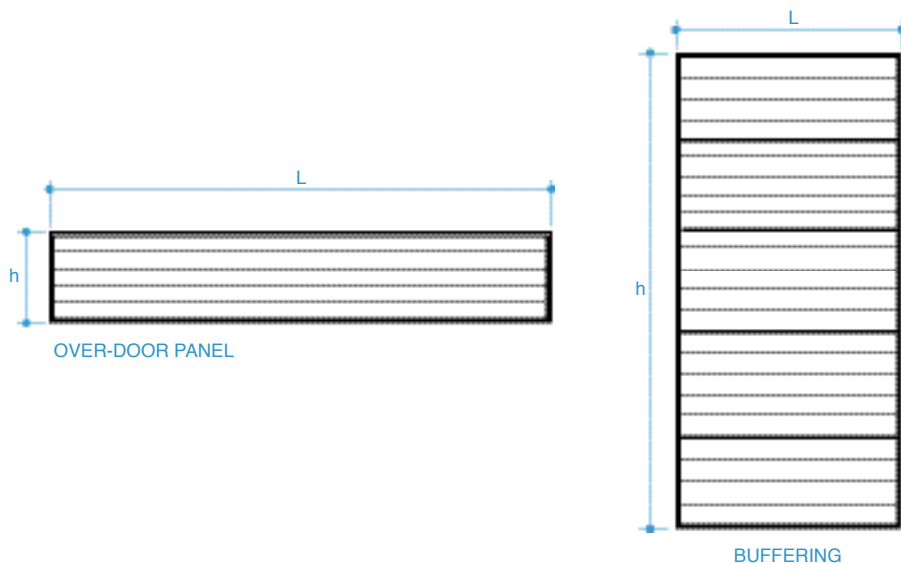
FIG 34



CHAIN WINCH

The winch with chain can be installed to allow easy opening and closing manoeuvres. Proceed with installation only on non-motorised doors that have lateral space of at least 250 mm.

FIG 35



OVER-DOOR PANELS AND BUFFERS

The upper over-door panels and the lateral buffers in insulated panels have a "U"-shaped tin edging.

ACCESSORIES

OVAL INSPECTION WINDOW 726 x 326 mm
(in double wall methacrylate)

OVAL INSPECTION WINDOW 638 x 206 mm
(in double wall methacrylate)

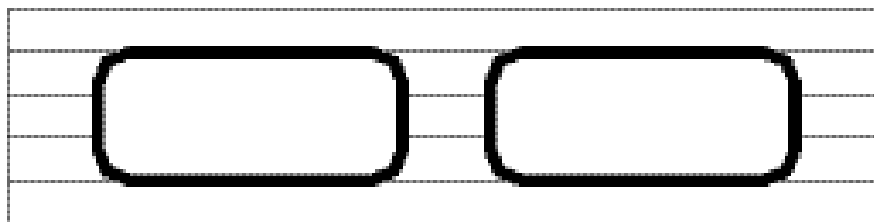
RECTANGULAR INSPECTION WINDOW 680 x 370 mm
(in double wall methacrylate)

IMPORTANT

This type of inspection window cannot be mounted on H500 panels with width $L > 5250$.

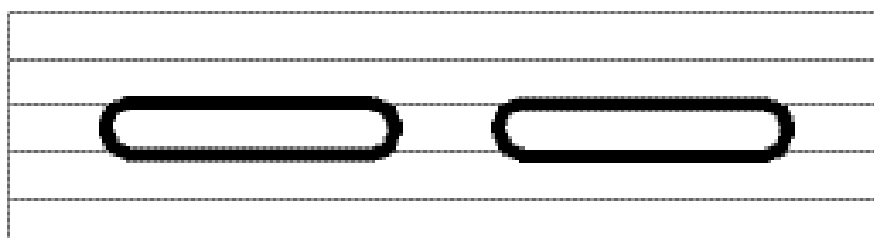
INDUSTRIAL DOORS

FIG 36



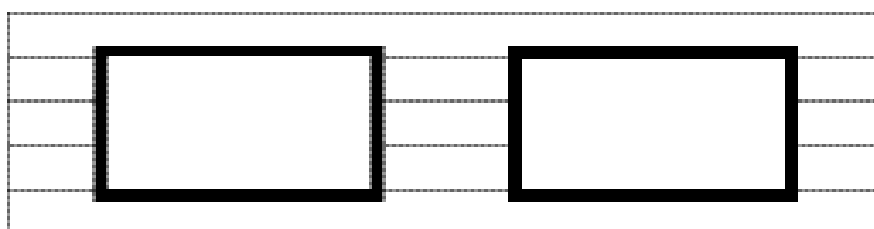
N° OF INSPECTION WINDOWS DEPENDING ON THE WIDTH OF THE DOOR							
UP TO	1940	2835	3730	4625	5520	6415	7500
1	2	3	4	5	6	7	8

FIG 37



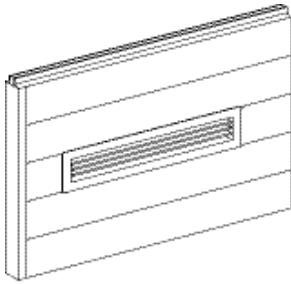
N° OF INSPECTION WINDOWS DEPENDING ON THE WIDTH OF THE DOOR							
UP TO	1810	2640	3470	4300	5130	5960	7500
1	2	3	4	5	6	7	8

FIG 38



N° OF INSPECTION WINDOWS DEPENDING ON THE WIDTH OF THE DOOR							
UP TO	1870	2730	3590	4450	5310	6170	7500
1	2	3	4	5	6	7	8

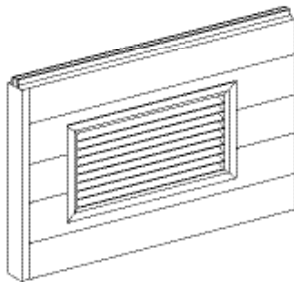
FIG 39



TYPE	DIMENSIONS	AIR PASSAGE
with frame and counter-frame	480 x 98 mm	cm ² . 250

N° OF GRIDS DEPENDING ON THE WIDTH OF THE DOOR							
UP TO	1810	2640	3470	4300	5130	5960	7500
1	2	3	4	5	6	7	8

FIG 40



TYPE	DIMENSIONS	AIR PASSAGE
with frame and counter-frame	500 x 345 mm	cm ² 830

N° OF GRIDS DEPENDING ON THE WIDTH OF THE DOOR							
UP TO	1810	2640	3470	4300	5130	5960	7500
1	2	3	4	5	6	7	8

PVC GRID

Colours available: white, brown and black.

ANODISED ALUMINIUM GRID

Colours available: silver, white and black.

PEDESTRIAN DOOR DIMENSION

The pedestrian door is an accessory that:

- is supplied on request;
- is inserted into the door casing with outwards opening;
- for its use it is necessary that the width of the door is equal to or less than 5500 mm (KPSIN and KPSIR versions); up to 6500 mm for KPSIS and KPSIV (minimum lintel 3000 mm);
- is supplied with a lock and key with handle as per standard;
- has a RAL 9010 painted structure on white panning and RAL 9005 black on coloured panning.

OPTIONAL

- panic bar;
- slide door-closing device;
- safety micro switch.

NOTE

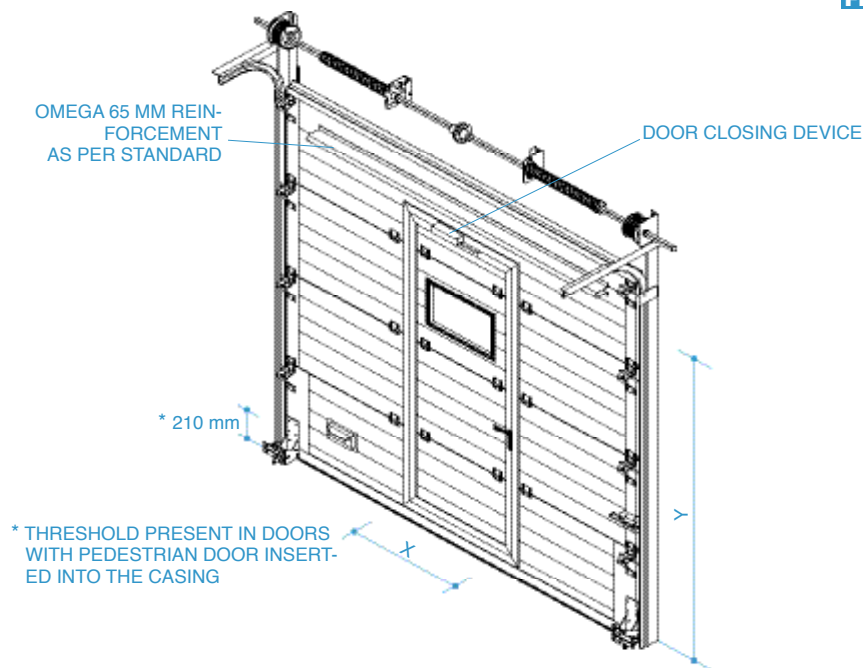
For motorised doors with pedestrian door it is mandatory to insert a safety micro switch.

** IMPORTANT

For KPSIV and KPSIS versions with minimum lintel of 3000 mm.

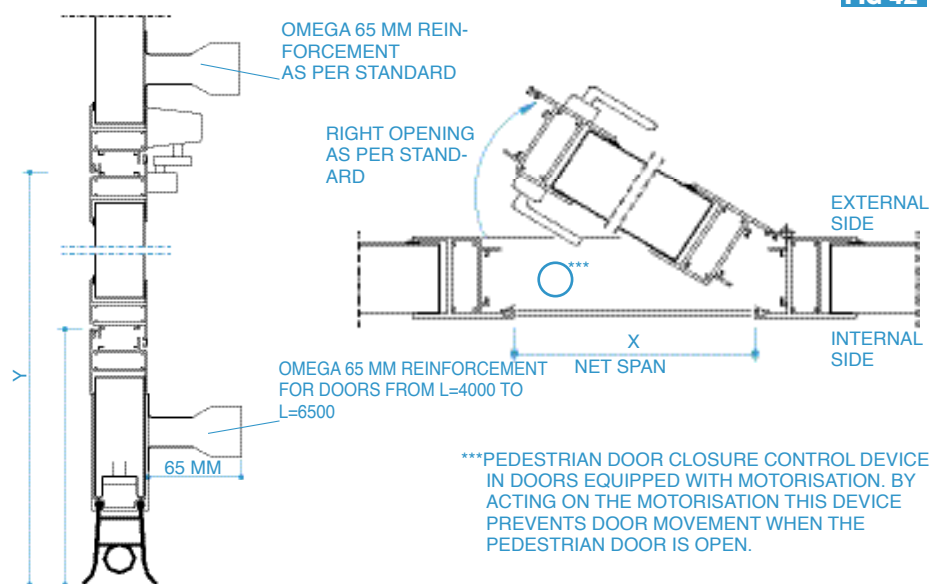
INDUSTRIAL DOORS

FIG 41



POSITIONING OF THE PEDESTRIAN DOOR			
TYPE	PEDESTRIAN DOOR DIMENSION	NET DOOR SPAN	POSITION
ALL	X= 900 mm	L from 2000 to 3600 mm	CENTRAL
ALL	X= 1200 mm	L from 2000 to 3600 mm	CENTRAL
ALL	X= 900 e 1200 mm	L from 3610 to 4800 mm	CENTRAL (RIGHT or LEFT on request)
ALL	X= 900 e 1200 mm	L from 4810 to 5500 mm	CENTRAL
**	X= 900 e 1200 mm	L from 5500 to 6500 mm	CENTRAL

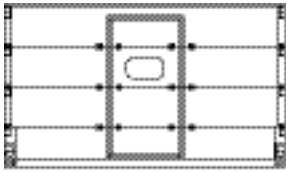
FIG 42



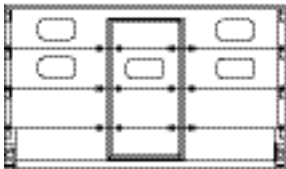
PEDESTRIAN DOOR DIMENSIONS	
Panel type	STEEL
Door width (X)	900 mm/1200 mm
Door height (Y)	2090 mm
Min. sectional door height	2510 mm

FIG 43

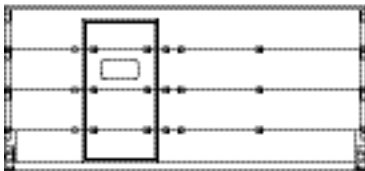
1200 PEDESTRIAN DOOR



DOOR SPAN UP TO 3265 mm

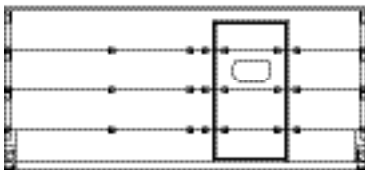


DOOR SPAN FROM 3270 TO 3600 mm



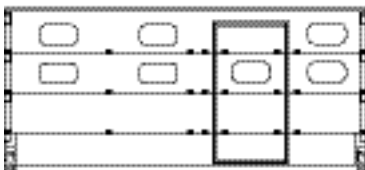
WITH DOOR SPAN ≥ 4000 mm
A DOUBLE HINGE IS ENVISIONED ON THE SIDE OF THE DOOR

DOOR SPAN FROM 3605 mm TO 4160 mm



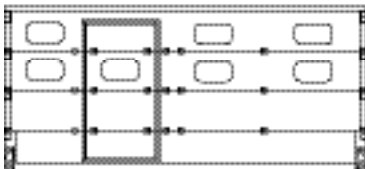
WITH DOOR SPAN ≥ 4000 mm
A DOUBLE HINGE IS ENVISIONED AT THE SIDE OF THE DOOR

DOOR SPAN FROM 3605 mm TO 4,160 mm



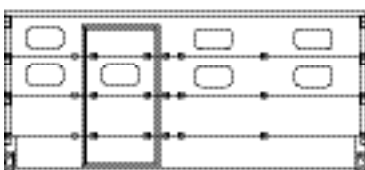
DOUBLE HINGE AT THE SIDE OF THE DOOR

DOOR SPAN FROM 4165 mm TO 4800 mm



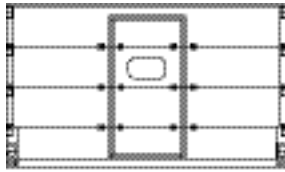
DOUBLE HINGE AT THE SIDE OF THE DOOR

DOOR SPAN FROM 4165 mm TO 4800 mm

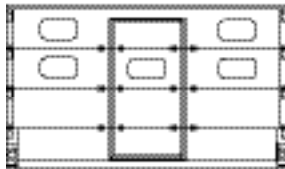


DOOR SPAN FROM 4805 mm TO 5500 mm

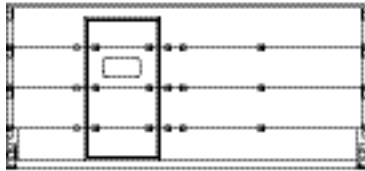
900 PEDESTRIAN DOOR



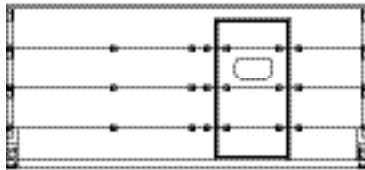
DOOR SPAN UP TO 2955 mm



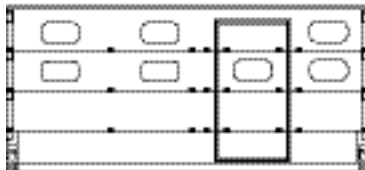
DOOR SPAN FROM 2960 mm TO 3600 mm



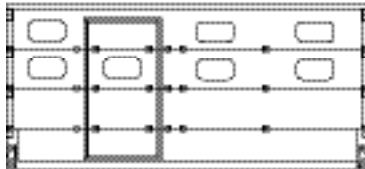
DOOR SPAN FROM 3605 mm TO 3850 mm



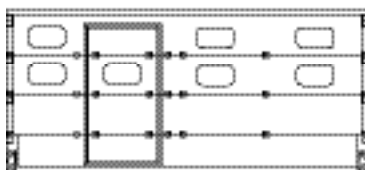
DOOR SPAN FROM 3605 mm TO 3850 mm



DOOR SPAN FROM 3855 mm TO 4800 mm



DOOR SPAN FROM 3855 mm TO 4800 mm



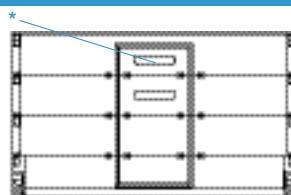
DOOR SPAN FROM 4805 mm TO 5500 mm

**OVAL INSPECTION WINDOW POSITION
726 x 326 mm WITH PEDESTRIAN DOOR**

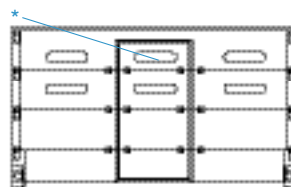
OVAL INSPECTION WINDOW POSITION 638 x 206 mm WITH PEDESTRIAN DOOR

FIG 44

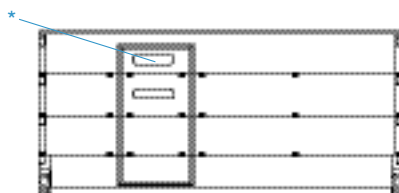
1200 PEDESTRIAN DOOR



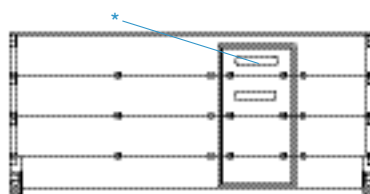
DOOR SPAN UP TO 3130 mm



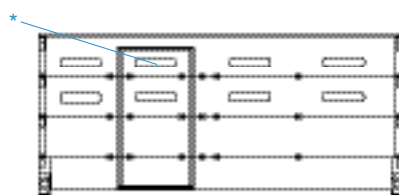
DOOR SPAN FROM 3135 mm TO 3600 mm



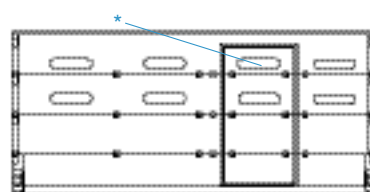
DOOR SPAN FROM 3605 mm TO 3965 mm



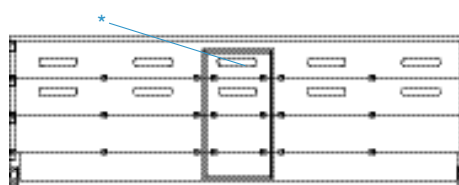
DOOR SPAN FROM 3605 mm TO 3965 mm



DOOR SPAN FROM 3970 mm TO 4800 mm

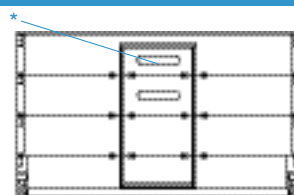


DOOR SPAN FROM 3,970 mm TO 4800 mm

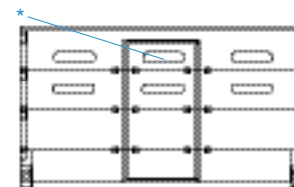


DOOR SPAN FROM 4805 mm TO 5,00 mm

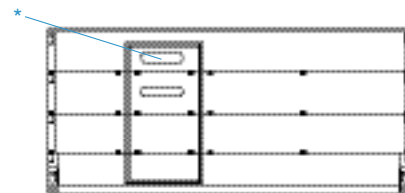
900 PEDESTRIAN DOOR



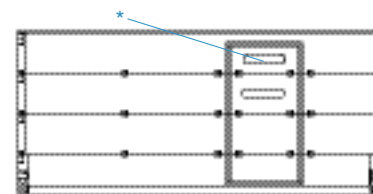
DOOR SPAN UP TO 2825 mm



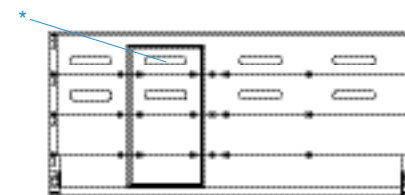
DOOR SPAN FROM 2830 mm TO 3600 mm



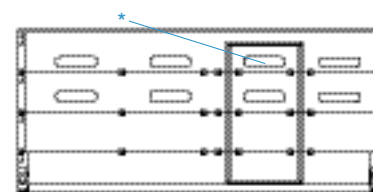
DOOR SPAN FROM 3605 mm TO 3655 mm



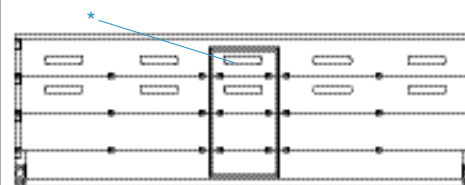
DOOR SPAN FROM 3605 mm TO 3655 mm



DOOR SPAN FROM 3660 mm TO 4800 mm



DOOR SPAN FROM 3660 mm TO 4800 mm

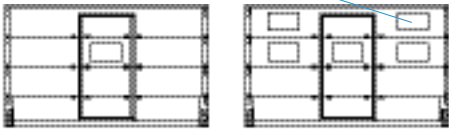


DOOR SPAN FROM 4805 mm TO 5,00 mm

* for H500 panels only

FIG 45

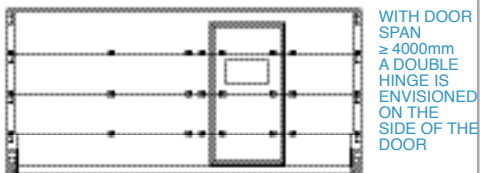
1200 PEDESTRIAN DOOR



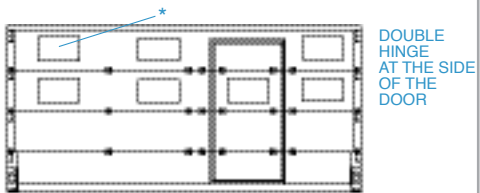
DOOR SPAN UP TO 3265 mm DOOR SPAN FROM 3185 mm TO 3600 mm



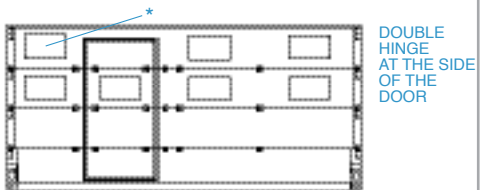
DOOR SPAN FROM 3605 mm TO 4040 mm



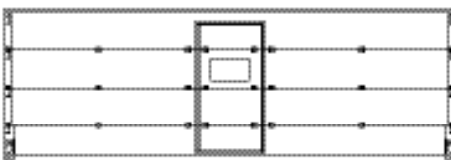
DOOR SPAN FROM 3605 mm TO 4040 mm



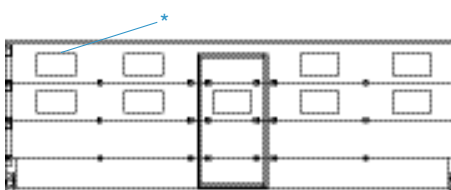
DOOR SPAN FROM 4045 mm TO 4800 mm



DOOR SPAN FROM 4045 mm TO 4800 mm

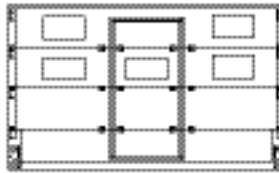


DOOR SPAN FROM 4805 mm TO 4895 mm

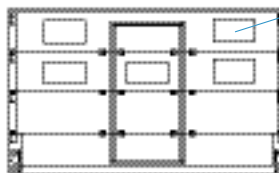


DOOR SPAN FROM 4900 mm TO 5500 mm

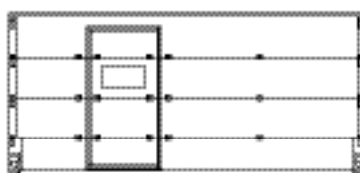
900 PEDESTRIAN DOOR



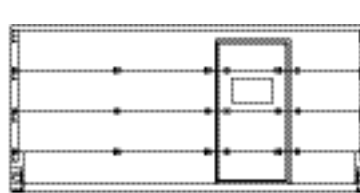
DOOR SPAN UP TO 2875 mm



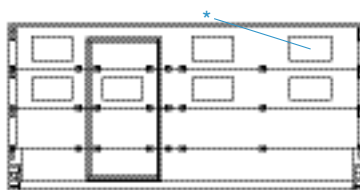
DOOR SPAN FROM 2880 mm TO 3600 mm



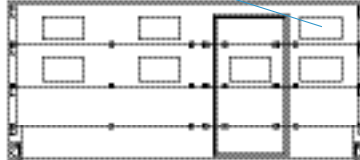
DOOR SPAN FROM 3605 mm TO 3730 mm



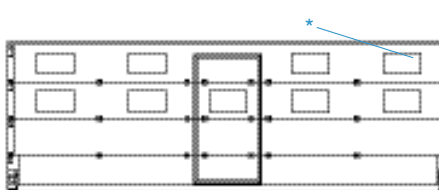
DOOR SPAN FROM 3605 mm TO 3850 mm



DOOR SPAN FROM 3735 mm TO 4800 mm



DOOR SPAN FROM 3735 mm TO 4800 mm



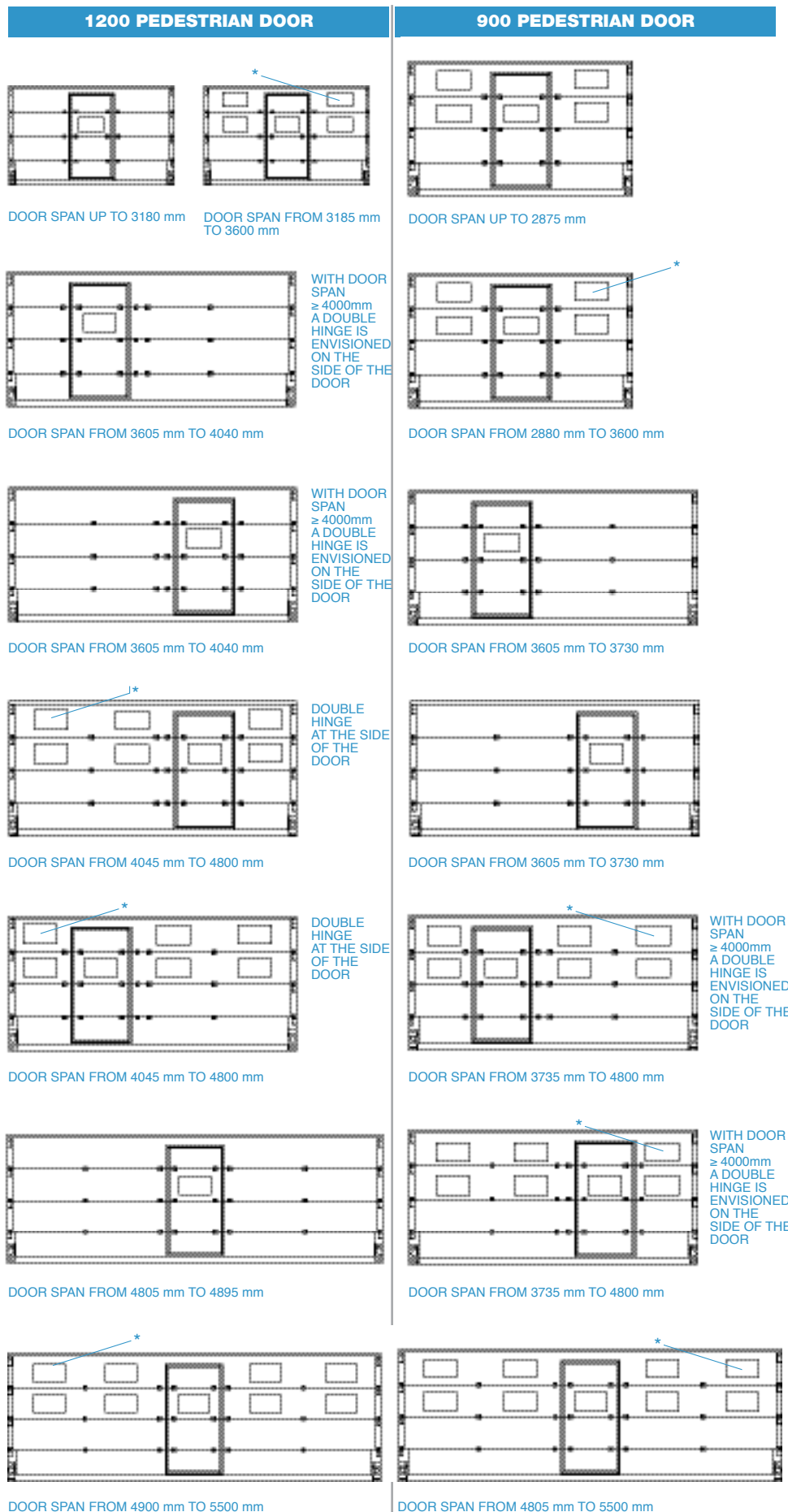
DOOR SPAN FROM 4805 mm TO 5500 mm

RECTANGULAR INSPECTION WINDOW POSITION 680 x 370 mm WITH PEDESTRIAN DOOR

* IMPORTANT: this inspection window can only be mounted in doors with H610 casing

RECTANGULAR INSPECTION WINDOW POSITION 663 x 343 mm WITH PEDESTRIAN DOOR

FIG 46



* IMPORTANT: this inspection window can only be mounted in doors with MW610 casing.

FIG 47

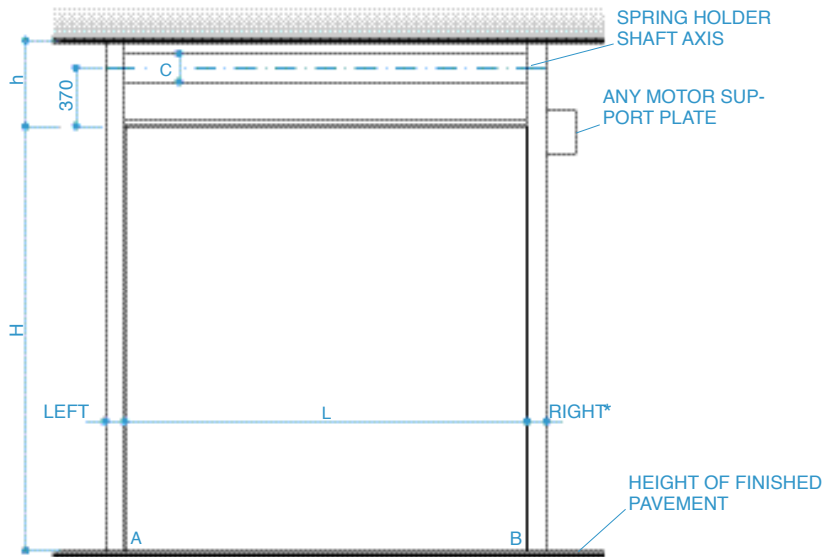


FIG 48

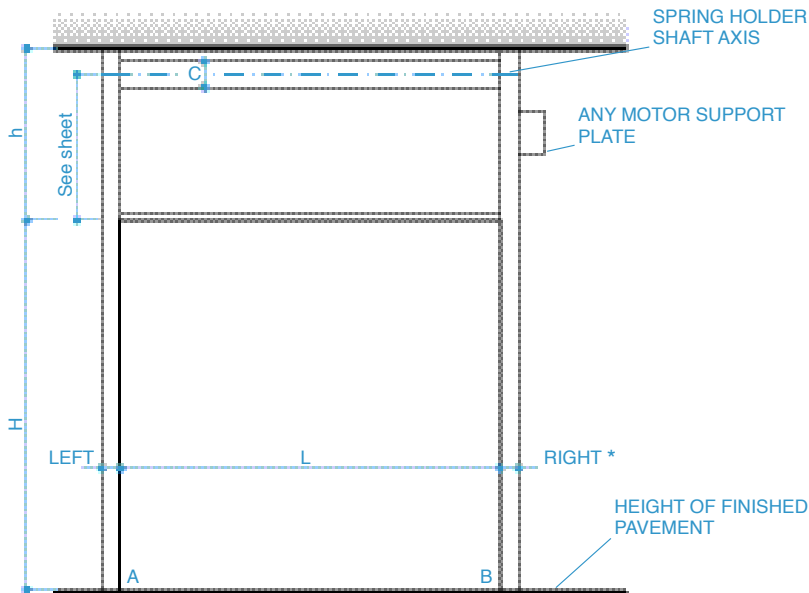
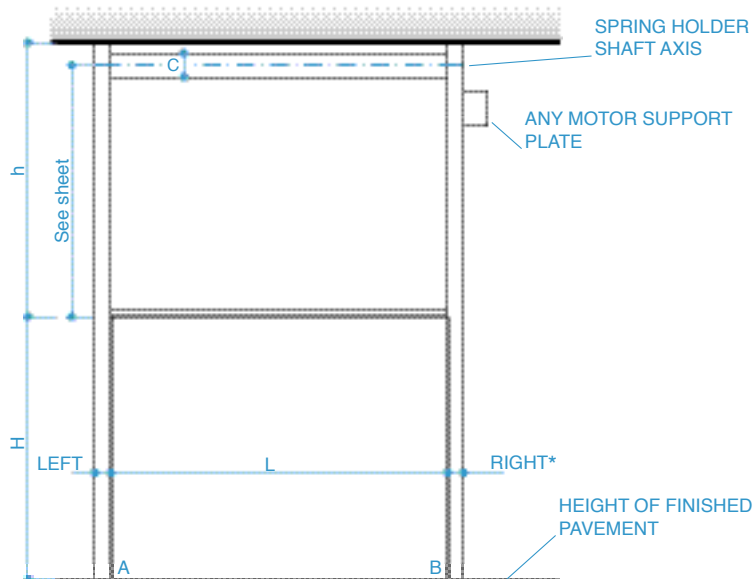


FIG 49



* IMPORTANT: the RIGHT or LEFT height with motor plate must be equal to or greater than 310 mm.

KPSIN
EXAMPLE OF INSTALLATION
ON METAL FRAMEWORK

Level difference A-B Max = 10 mm.

Planarity error Max = 10 mm.

"C" section minimum 150 mm x 50 mm.

RIGHT and LEFT sections minimum 120 mm x 50 mm.

NOTE

See sheet on page 8.

KPSIS
EXAMPLE OF INSTALLATION
ON METAL FRAMEWORK

Level difference A-B Max = 10 mm.

Planarity error Max = 10 mm.

"C" section minimum 150 mm x 50 mm.

RIGHT and LEFT sections minimum 120 mm x 50 mm.

NOTE

See sheet on page 10.

KPSIV
EXAMPLE OF INSTALLATION
ON METAL FRAMEWORK

Level difference A-B Max = 10 mm.

Planarity error Max = 10 mm.

"C" section minimum 150 mm x 50 mm.

RIGHT and LEFT sections minimum 120 mm x 50 mm.

NOTE

See sheet on page 12.

FRAMEWORK

KPSIR EXAMPLE OF INSTALLATION ON METAL FRAMEWORK

Level difference A-B Max = 10 mm.

Planarity error Max = 10 mm.

"C" section minimum 150 mm x 50 mm.

RIGHT and LEFT sections minimum 120 mm x 50 mm.

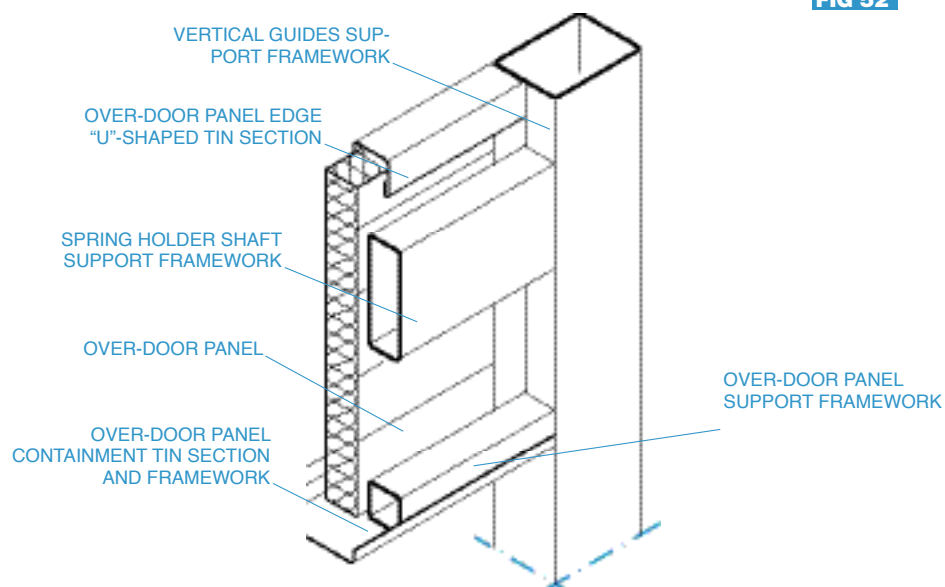
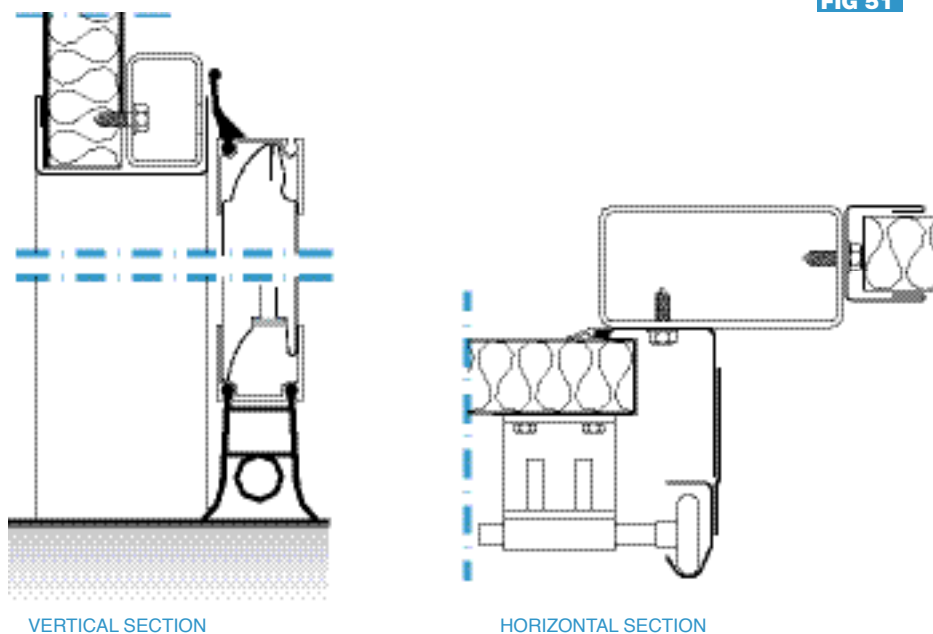
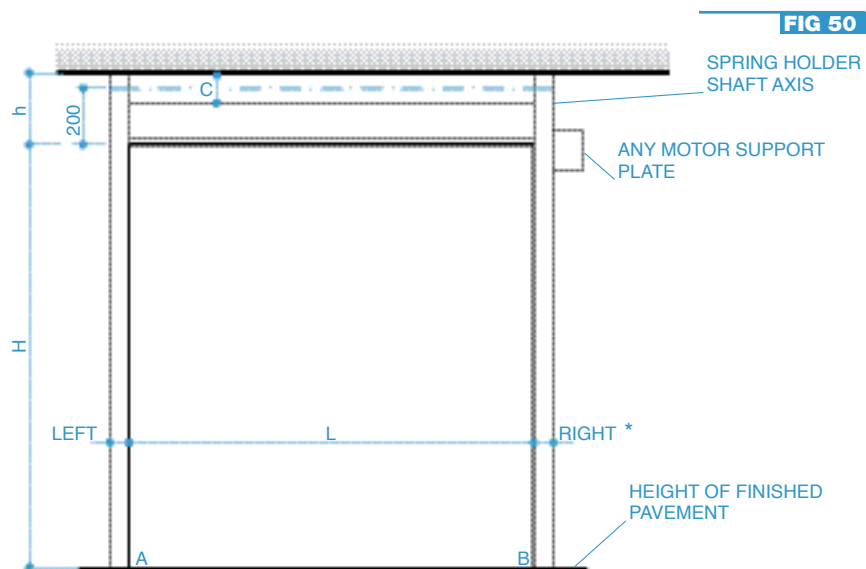
NOTE

See sheet on page 14.

DOOR ASSEMBLY ON METAL STRUCTURE

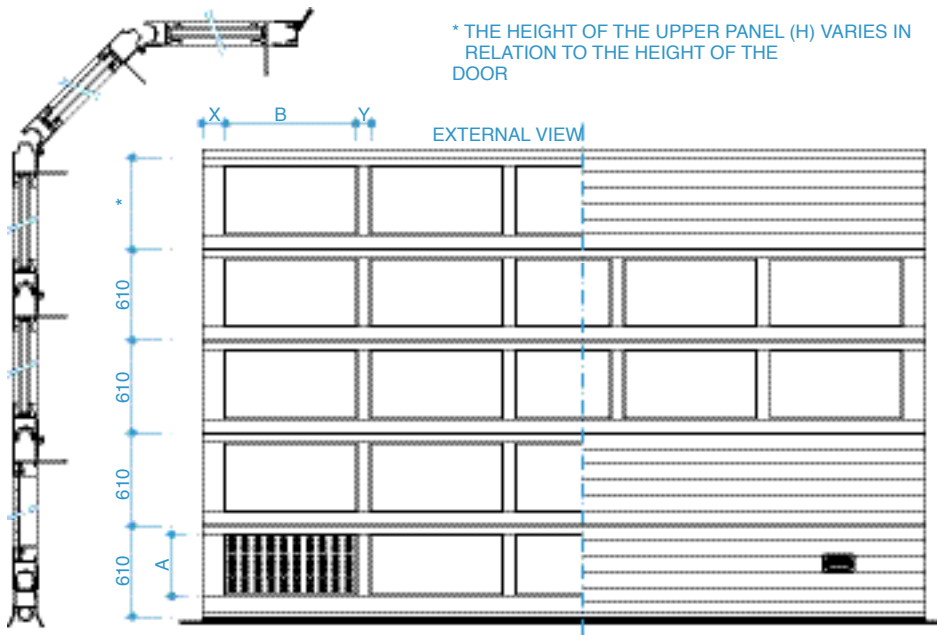
FRAMEWORK FOR OVER-DOOR PANEL SUPPORT

INDUSTRIAL DOORS



* IMPORTANT: the RIGHT or LEFT height with motor plate must be equal to or greater than 310 mm.

FIG 53



K-VISION SECTIONAL DOORS

The casing of these doors can be:

- with windowed sections only;
- with windowed sections and panels H500/610.

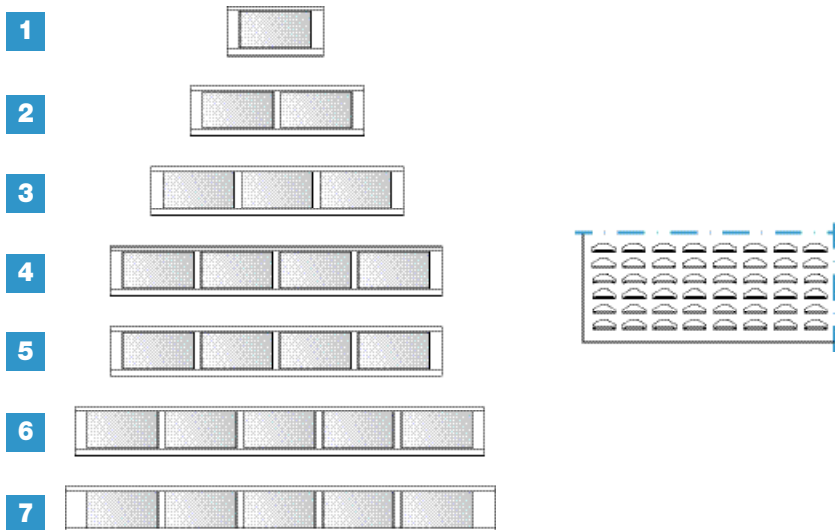
The window frame profiles are in painted aluminium either silver RAL 9006 or white RAL 9010.

The methacrylate mirror effect can be single or double sheet and are assembled with appropriate gaskets.

NOTE

K-Vision doors support wind thrust of up to 60 km/h.

FIG 54



MIRROR EFFECT

NOTE

The mirror effect can also be realised with grid.

NUMBER OF MIRROR EFFECT PANELS	DOOR SPAN	PANEL SPAN	WITH OR WITHOUT REINFORCEMENT	X	Y	A	B
1	UP TO 1200	UP TO 1250	WITHOUT REINFORCEMENT	147	-	487	UP TO 956
2	FROM 1201 TO 2689	FROM 1251 TO 2739	WITHOUT REINFORCEMENT	147	85,5	487	FROM 436 TO 1180
3	FROM 2690 A 3600	FROM 2740 TO 3650	WITHOUT REINFORCEMENT	147	85,5	487	FROM 758 TO 1062
4	FROM 3601 A 3999	FROM 3651 TO 4049	WITHOUT REINFORCEMENT	147	85,5	487	FROM 776 TO 799
5	FROM 4000 A 4800	FROM 4050 TO 4850	WITH REINFORCEMENT	147	85,5	487	FROM 800 TO 1075
6	FROM 4801 A 5999	FROM 4851 TO 6049	WITH REINFORCEMENT	147	85,5	487	FROM 844 TO 1083
7	6000	6050	WITH REINFORCEMENT	172,2	85,5	487	FROM 888

K-VISION SECTIONAL DOORS WITH PEDESTRIAN DOOR INSERTED

On request the pedestrian door can be inserted into the door casing with outwards opening only. It can only be inserted on doors with width (L) less than 5000 mm in the central mirror effect panel if they are uneven or in lateral one if they are an equal number.

The following are part of the pedestrian door supply:

- complete locking
- perimeter gaskets to guarantee sealing

A panic bar and door-closing device can be supplied on request.

MIRROR EFFECT WITH PEDESTRIAN DOOR

NOTE

For motorised doors with man door it is mandatory to insert a safety micro switch.

FIG 55

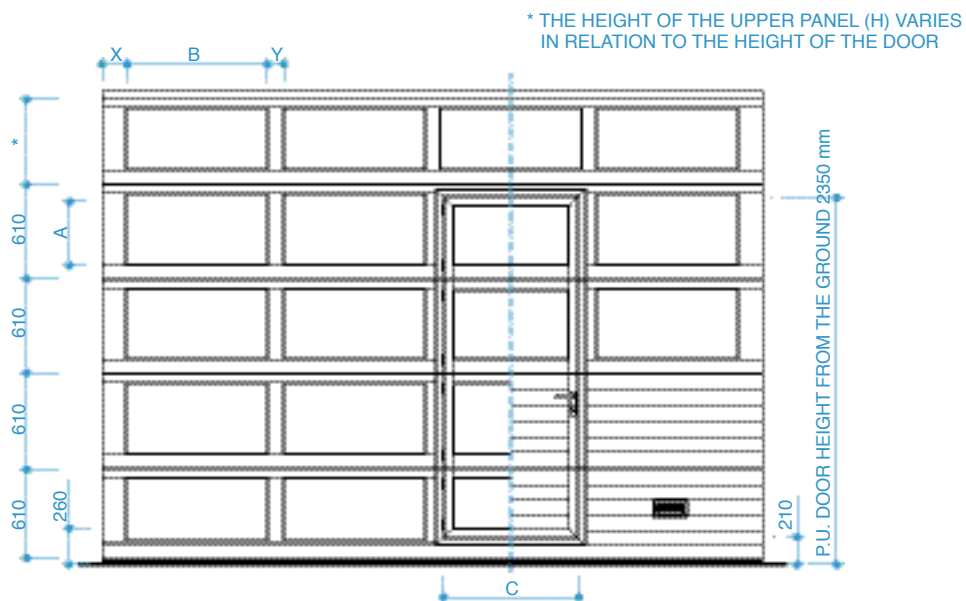
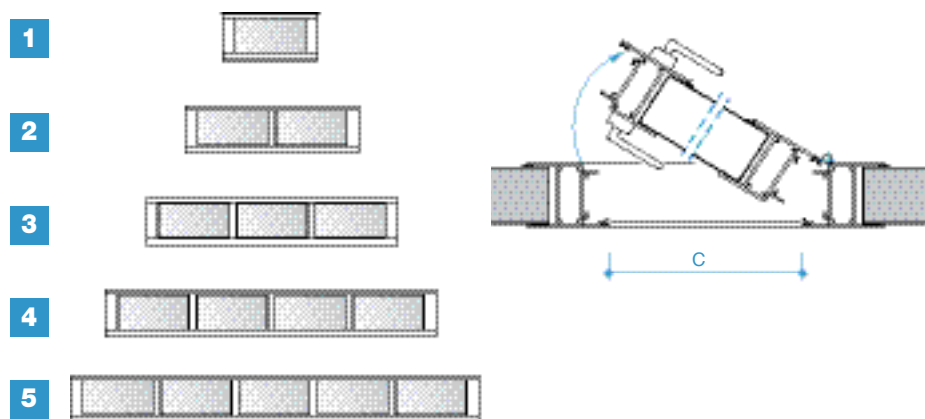
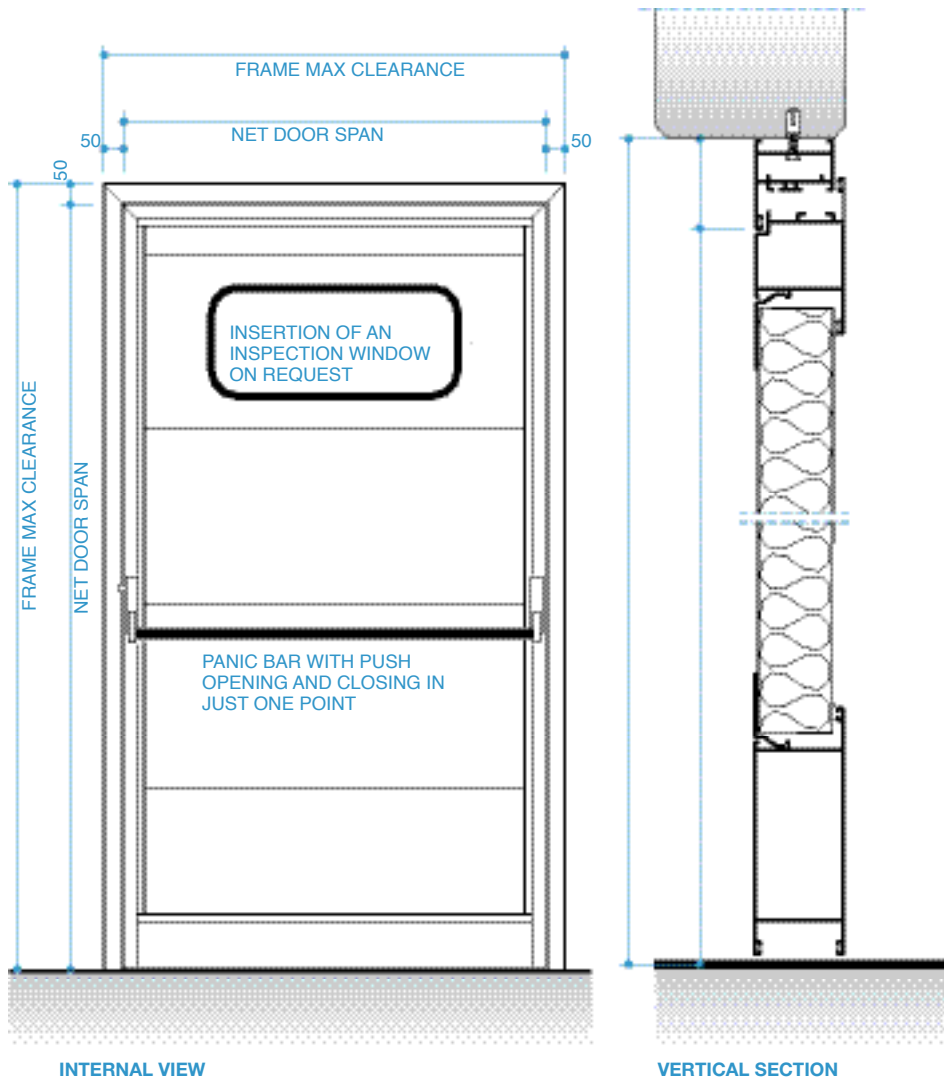


FIG 56



NUMBER OF MIRROR EFF. PANELS	DOOR SPAN	PANEL SPAN	X	Y	A	B	MAN DOOR H=2350 MM	
							C	POSIT
1	UP TO 1200	UP TO 1250	147	-	487	UP TO 956	NOT AVAILABLE	
2	FROM 1201 TO 2689	FROM 1251 TO 2739	147	85,5	487	FROM 436 TO 1180	NOT AVAILABLE	
3	FROM 2690 TO 3600	FROM 2740 TO 3650	147	85,5	487	FROM 758 TO 1062	FROM 683 TO 987	CENTRAL
4	FROM 3601 TO 4800	FROM 3651 TO 4850	147	85,5	487	FROM 776 TO 799	FROM 776 TO 799	RIGHT OR LEFT
5	FROM 4081 TO 5000	FROM 4851 TO 5050	147	85,5	487	FROM 800 TO 1075	FROM 800 TO 1075	CENTRAL

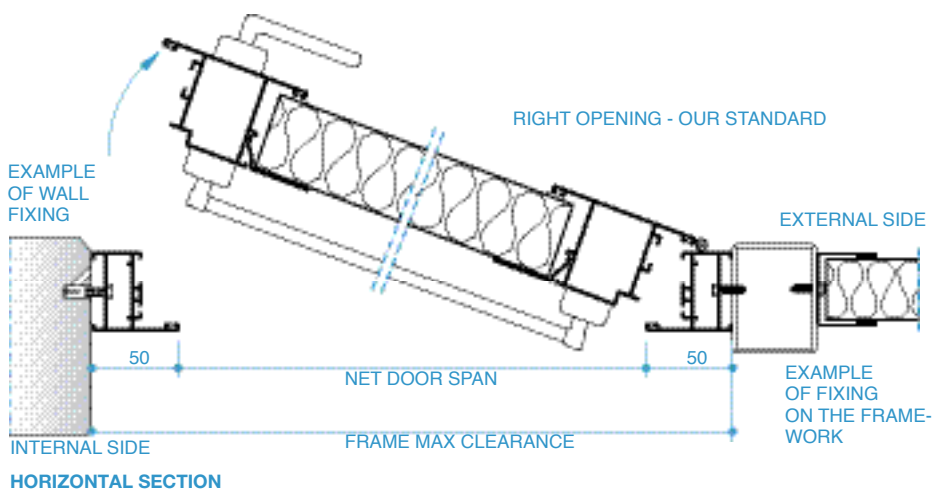
FIG 57

**EMERGENCY EXIT DOOR
WITH
INSULATED PANELS****WITH**

The emergency exit door is made up from:

- black RAL 9005 aluminium frame and counter-frame;
- buffer with panels assembled with lateral gaskets;
- panic bar with external lock.

FIG 58

**EXAMPLE OF WALL FIXING**

NOTES

OPTIONAL ACCESSORIES



MOTOR WITH WINCH



QUICK RELEASE MOTOR



EMERGENCY PHOTOCELLS



ELECTRIC CONTROL BOARD



KEY SELECTOR SWITCH



RADIO TRANSMITTER:
LONG DISTANCE
OPENING/CLOSING CON-
TROL



OPEN/CLOSE/STOP PUSH BUTTON
CONTROL PANEL



FLASHING
SAFETY LIGHT



CHAIN RETURN UNIT



SAFETY EDGE KIT



METAL MASS DETECTOR



LOOKING AHEAD



Quality Management System
UNI EN ISO 9001:2008 Certified
Factory Production Control
UNI EN ISO 1090
Applicable standard
UNI EN 13241-1
UNI EN 16005
UNI EN 1398
UNI EN 3834-2

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Kopron attraverso le certificazioni di qualità offre un'ulteriore garanzia sull'efficacia e l'efficienza dei propri prodotti.

Through certifications Kopron offer a further guarantee on efficiency and quality of their products.



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