

LOGISTIC
SOLUTIONS

RESIDENTIAL DOORS SERIES TRADITIONAL

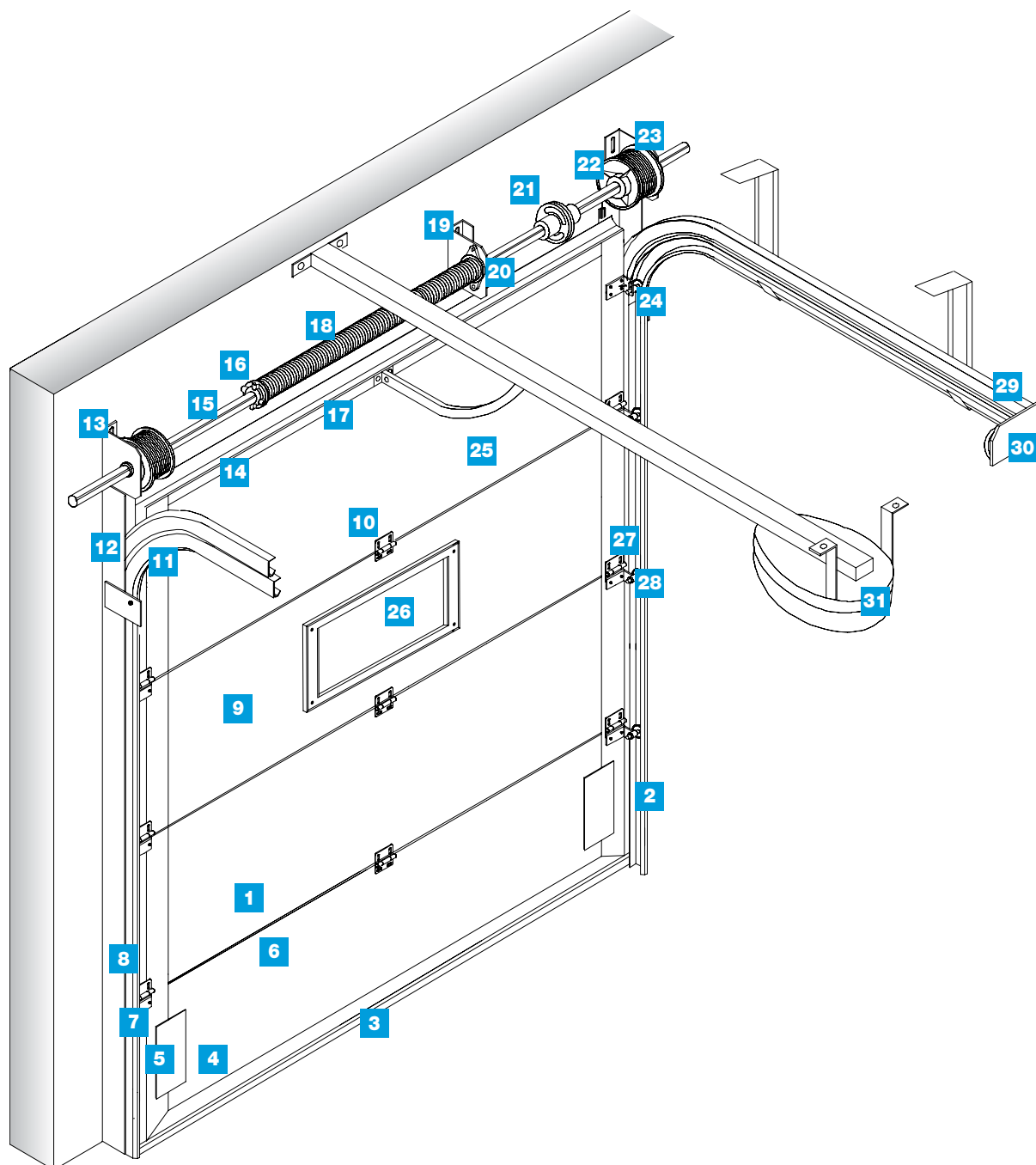


KOPRON



DATA SHEETS

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- | | | |
|---------------------------------------|---|--|
| 1 INTERNAL LOCK | 12 SIDE GASKET | 23 LIFTING ROPE |
| 2 VERTICAL TRACK | 13 SHAFT SUPPORT BRACKET | 24 UPPER WHEEL CARRIAGE + WHEEL |
| 3 BOTTOM GASKET | 14 UPPER GASKET | 25 UPPER PANEL |
| 4 BOTTO GASKET HOLDER | 15 MIDDLE SHAFTS | 26 VISION PANEL |
| 5 BOTTOM PARACHUTE CASE | 16 CONE | 27 INTERMEDIATE WHEEL CARRIAGE |
| 6 BOTTOM PANEL | 17 UPPER GASKET HOLDER | 28 INTERMEDIATE WHEEL |
| 7 BOTTOM SIDE CASE | 18 TORSION SPRING | 29 HORIZONTAL TRACK |
| 8 VERTICAL PROFILE | 19 SPRING ANTI-BREAK SAFETY DEVICE | 30 DOORSTOP |
| 9 MIDDLE PANEL | 20 FIXED CONE | 31 MOTOR |
| 10 HINGE | 21 SHAFT JOINT | |
| 11 HORIZONTAL TRACK WITH CURVE | 22 DRUM | |

FIG 2

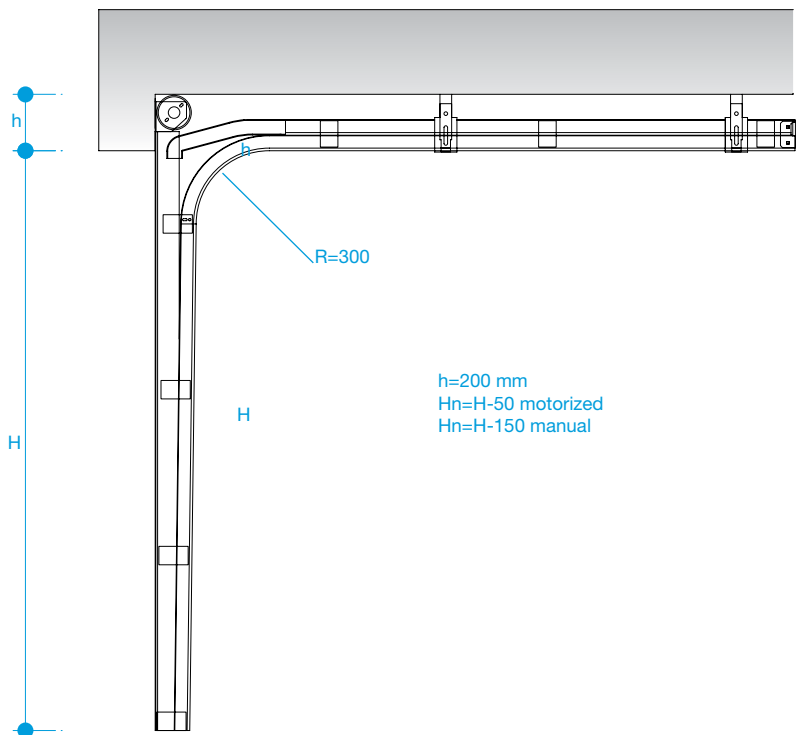
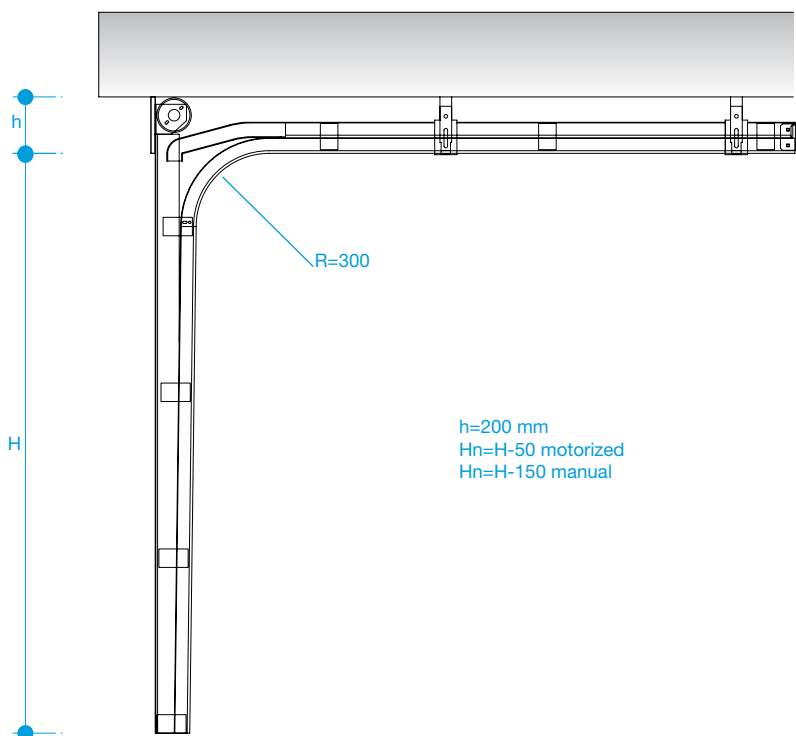


FIG 3



TYPES

KPSR-R**SERIES TRADITIONAL**

Sectional door for civil use.

Maximum height 200 mm.

SECTION DRAWING, WALL FACED, OF THE SERIES TRADITIONAL DOOR TYPE

Maximum dimensions

L=5000 mm

H=3000 mm

KPSR-RV**SERIES TRADITIONAL**

Sectional door for civil use, which can be used even without door frame.

Maximum height 200 mm.

SECTION DRAWING, WALL FACED, OF THE SERIES TRADITIONAL DOOR TYPE WITH COVERING PROFILES

Maximum dimensions

L=5000 mm

H=3000 mm

KPSR - SLIDING SECTIONAL DOOR - STANDARD VERSION

This kind of sectional door has been studied and designed for civil use. It can be produced to reach a maximum height of 3000 mm and max width of 5000 mm. Door frame space min. $h = 200$ mm. The surface is made of Safe line anti-pinch panels.

All doors are provided with fall arrest devices either in case of unexpected rupture of the lifting cables or in case of spring breakage, except for the doors with a single spring (see 'Feasibility diagram'). Special version with the inclination of the horizontal tracks is not feasible.

IMPORTANT

Note that the shaft carrying the spring must be installed to the ceiling

NOTE

The number of anchoring hooks to the ceiling depends on the depth D and weight of the door (picture 5)

FIG 4

MAX HEIGHT (H)	DOOR FRAME (h)	SIDE SPACES (LEFT-RIGHT)	DEPTH (D)	CLEAR WIDTH OF THE DOOR	
3000 mm	200 mm	100 mm	H+200 mm	MANUAL H-150 mm	MOTORIZE H-50 mm

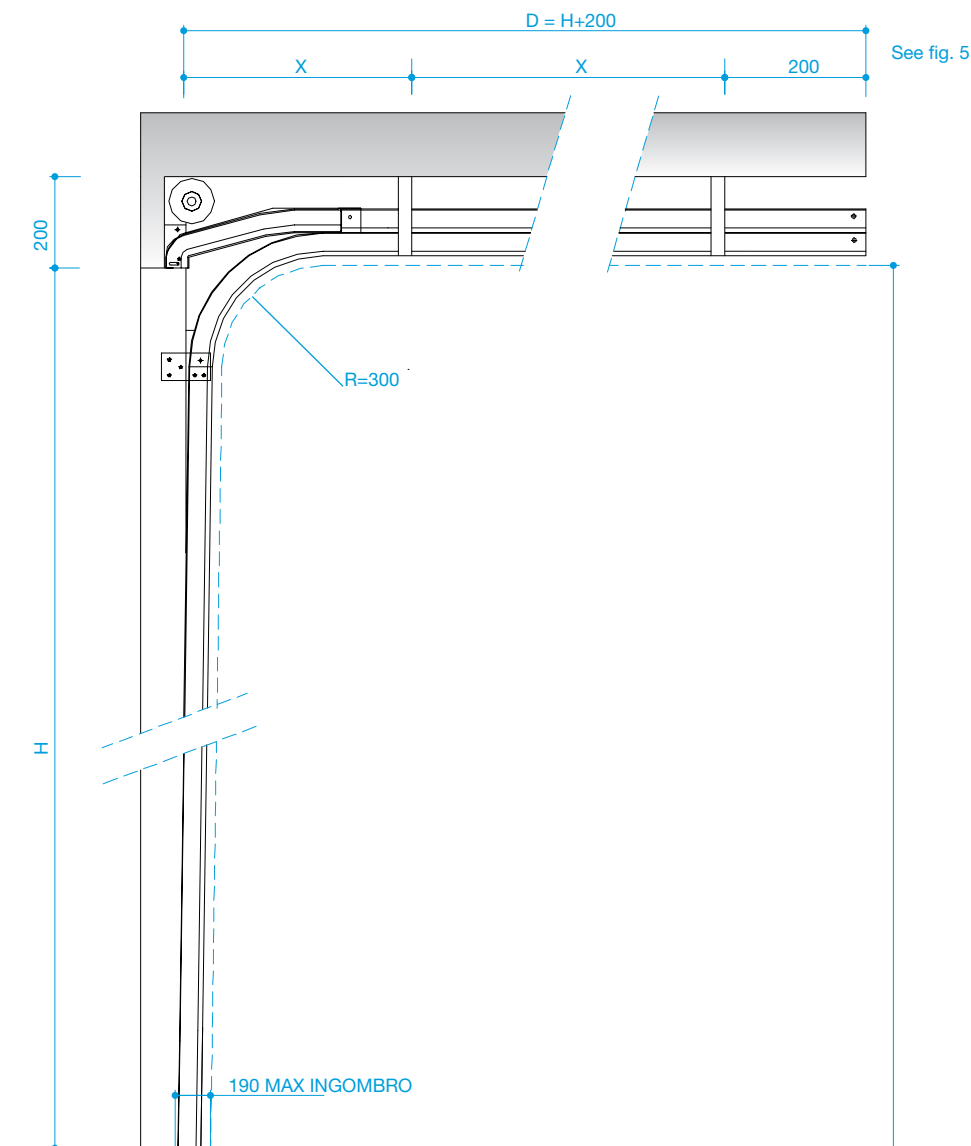


FIG 5

HOOKS n°	HOOKS POSITION X mm
2LEFT+2RIGHT	(P-200):2

FIG 6

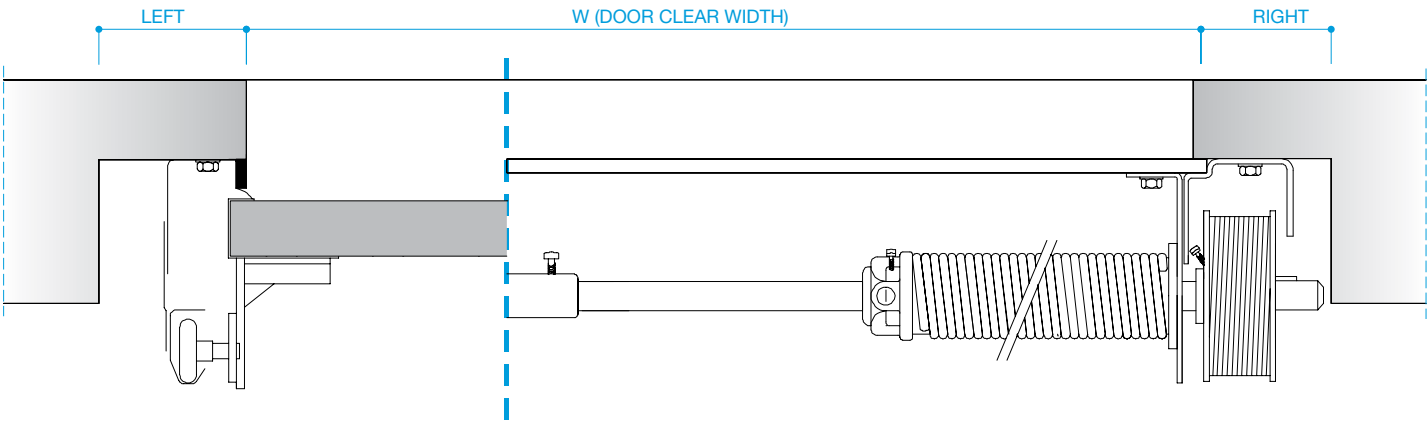
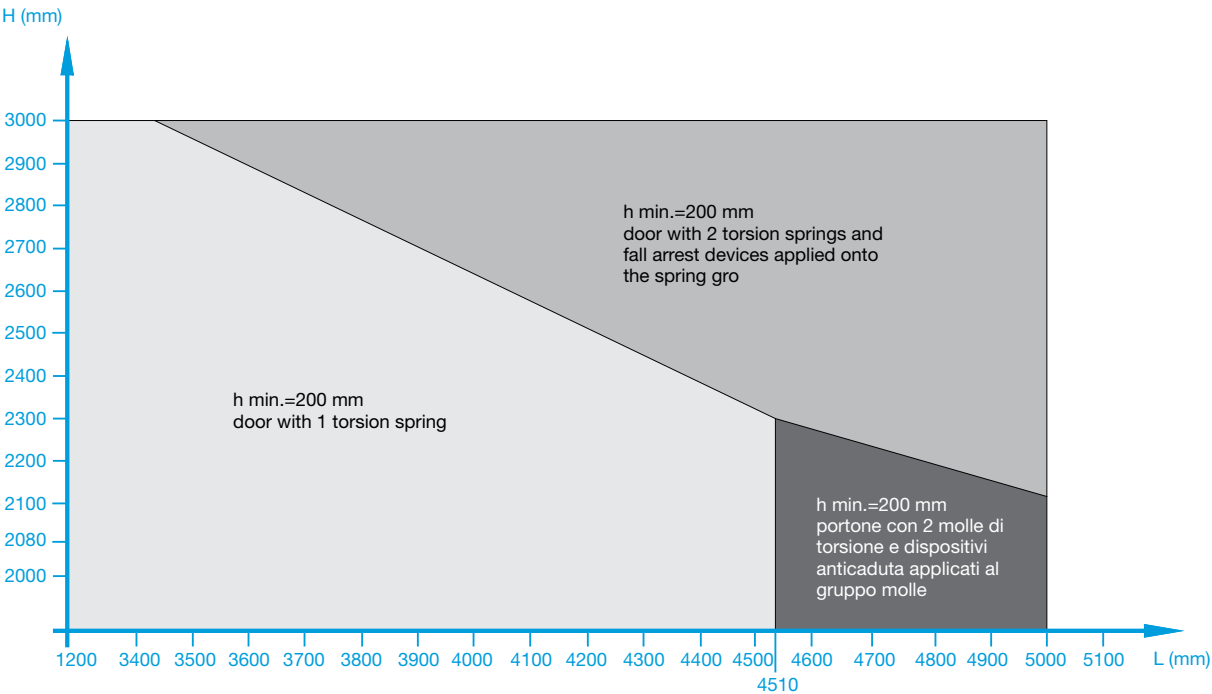


FIG 7

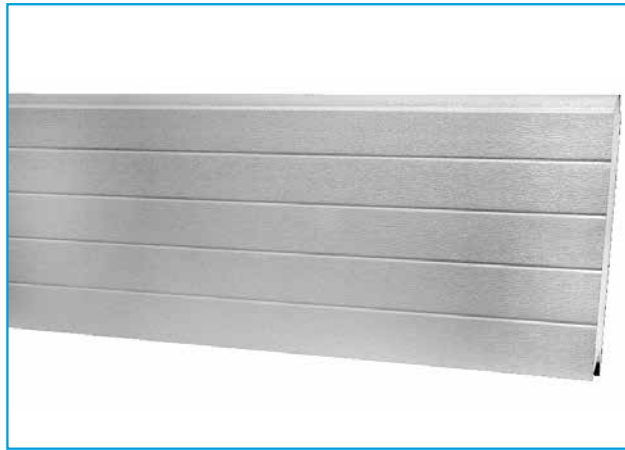


INTRODUCTION

HORIZONTAL STRIPED PANELS

TYPE OF PANELLING

FIG 8



HORIZONTAL RIBBED PANELS

FIG 9



'GEORGIAN' STYLE PANELS

FIG 10

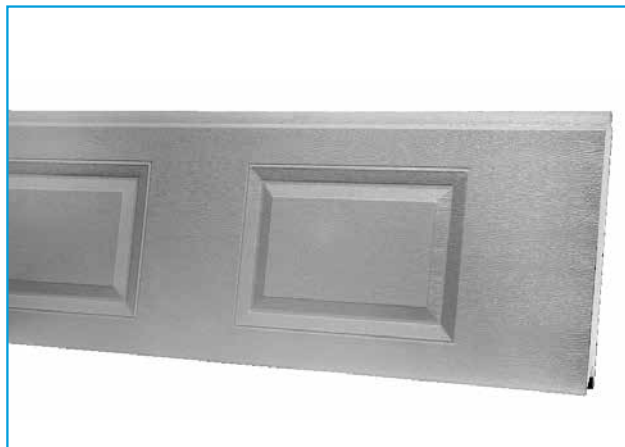
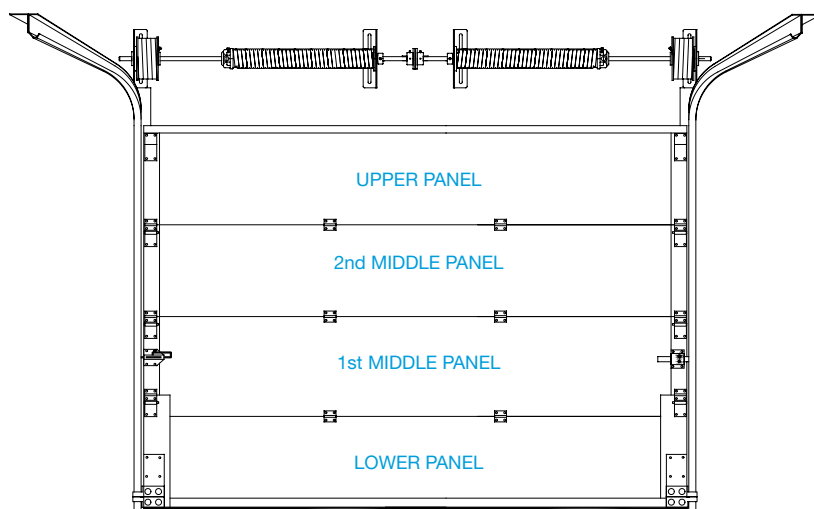


FIG 11



THE DRAWING IS AN EXAMPLE OF A FOUR-PANEL DOOR

OUTLINE OF THE PANEL MATCHING OF THE HORIZONTAL STRIPED TYPE

FIG 12

						H door (mm)
Position	Lower	1st Middle	2nd Middle	Upper		2125
h panel	610	500	500	500		
Position	Lower	1st Middle	2nd Middle	Upper		2250
h panel	610	610	500	500		
Position	Lower	1st Middle	2nd Middle	Upper		2375
h panel	610	610	610	500		
Position	Lower	1st Middle	2nd Middle	Upper		2500
h panel	610	610	610	610		
Position	Lower	1st Middle	2nd Middle	3rd Middle	Upper	2650
h panel	610	500	500	500	500	
Position	Lower	1st Middle	2nd Middle	3rd Middle	Upper	2750
h panel	610	610	500	500	500	
Position	Lower	1st Middle	2nd Middle	3rd Middle	Upper	2870
h panel	610	610	610	500	500	
Position	Lower	1st Middle	2nd Middle	3rd Middle	Upper	3000
h panel	610	610	610	610	500	

OUTLINE OF THE PANEL MATCHING OF THE 'GEORGIAN' AND RIBBED TYPE

FIG 13

H door (mm)							
Position	Lower	1st Middle	2nd Middle	Upper			2000
h panel	500	500	500	500			
Position	Lower	1st Middle	2nd Middle	3st Middle	Upper		2500
h panel	500	500	500	500	500		
Position	Lower	1st Middle	2nd Middle	3st Middle	4th Middle	Upper	3000
h panel	500	500	500	500	500	500	

INTRODUCTION

PANELS 'GEORGIAN' TYPE
MIDDLE PANEL SWC500
ISB 400 IS 200 LENGTH 2721 mm
DOOR WIDTH
from 2000 to 2670 mm

MIDDLE PANEL SWC500
ISB 400 IS 200 LENGTH 3428 mm
DOOR WIDTH
from 2671 to 3370 mm

MIDDLE PANEL SWC500
ISB 400 IS 200 LENGTH 4135 mm
DOOR WIDTH
from 3371 to 4080 mm

MIDDLE PANEL SWC500
ISB 400 IS 200 LENGTH 4842 mm
DOOR WIDTH
from 4081 to 4790 mm

MIDDLE PANEL SWC500
ISB 400 IS 200 LENGTH 5549 mm
DOOR WIDTH
from 4791 to 5000 mm

PANELS 'GEORGIAN' TYPE SWC500

FIG 14

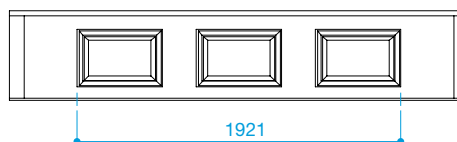


FIG 15

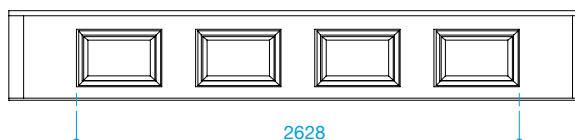


FIG 16

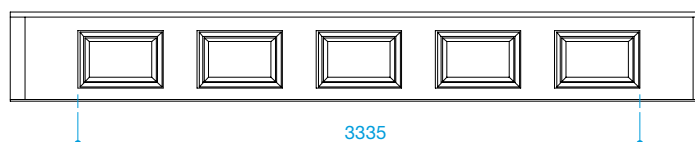


FIG 17

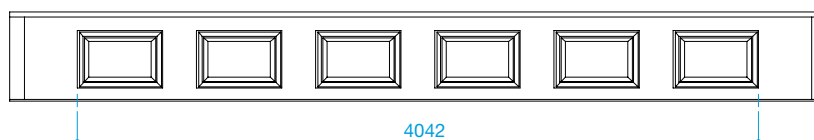


FIG 18

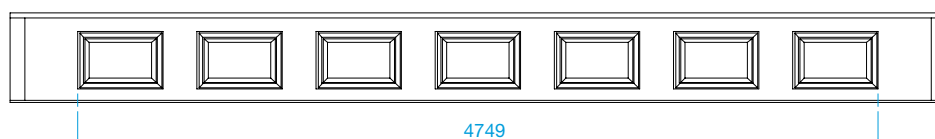
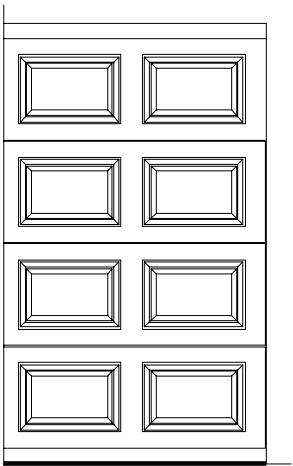
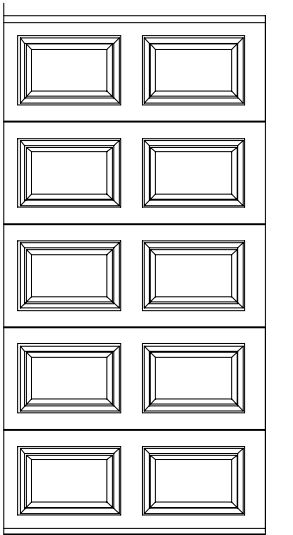


FIG 19



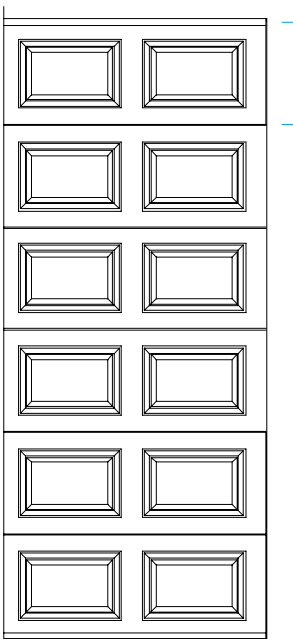
DOOR WITH 'GEORGIAN' TYPE PANELS
H = 2000 mm

FIG 20



DOOR WITH 'GEORGIAN' TYPE PANELS
H = 2500 mm

FIG 21



470 FIXED DIMENSION OF AN
UPPER ' GEORGIAN ' STYLE
PANEL

DOOR WITH 'GEORGIAN' TYPE PANELS
H = 3000 mm

NOTE
Intermediate size are available by adding
smooth panels.

LIFTING HANDLE

FIG 22



OUTSIDE/INSIDE LOCK

Upon request we can supply a double lock which can be handled either from the outside or from the inside.

FIG 23



TANDEM WHEEL CARRIAGE

It is supplied on all the Series Traditional doors.

FIG 24

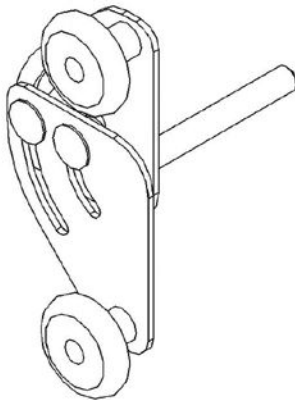


FIG 25

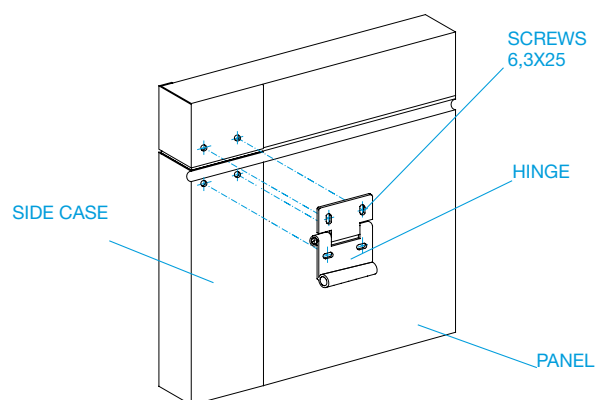


FIG 26

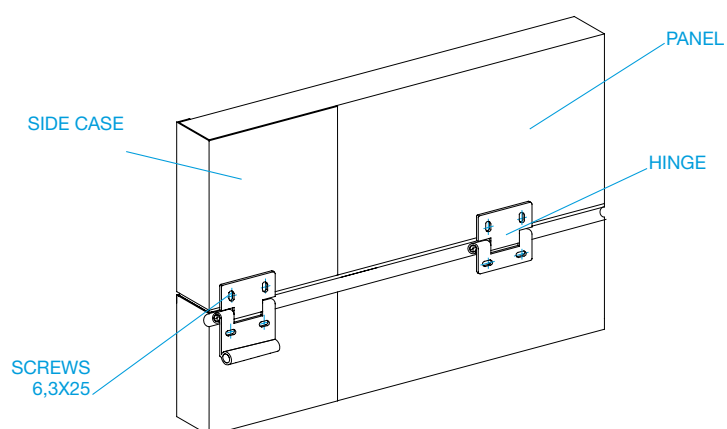
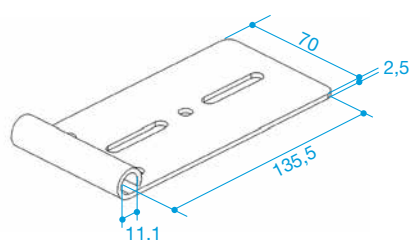


FIG 27



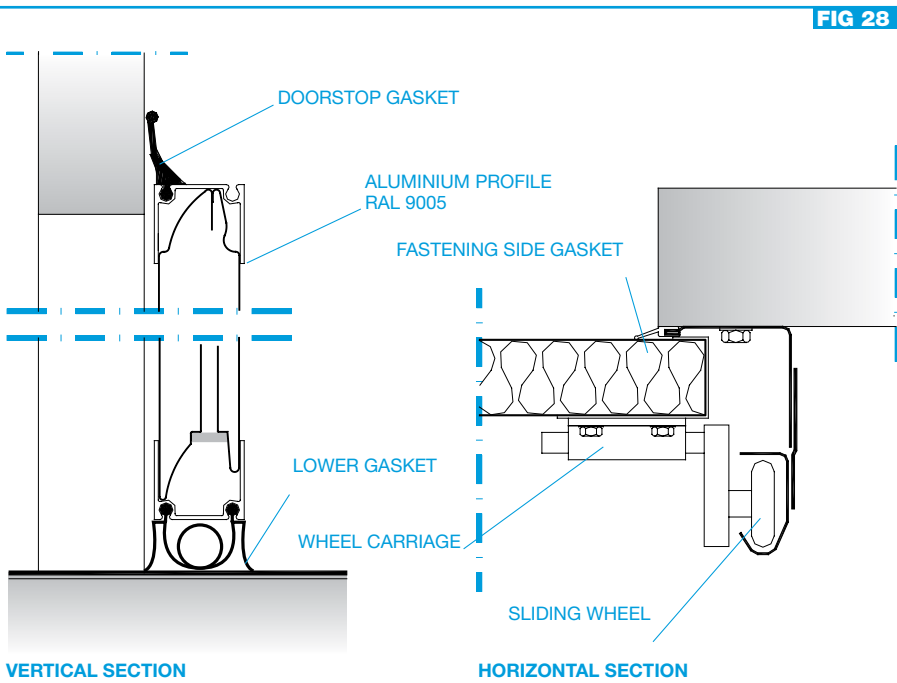
WHEEL CARRIAGE

For doors up to 5000 mm.

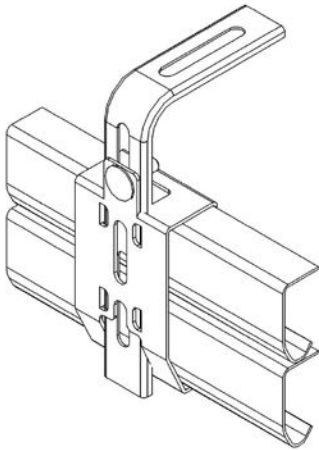
WHEEL CARRIAGE AND HINGE

UPPER WHEEL CARRIAGE

DOOR ASSEMBLY ON A WALL IN
MASONRY

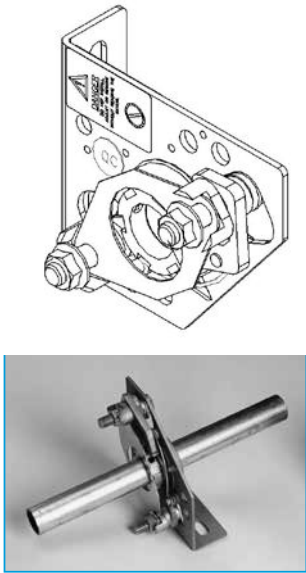


CEILING ANCHORING



PARACHUTE SPRINGS AND
PARACHUTE CABLES

PARACHUTE SPRINGS



PARACHUTE CABLES

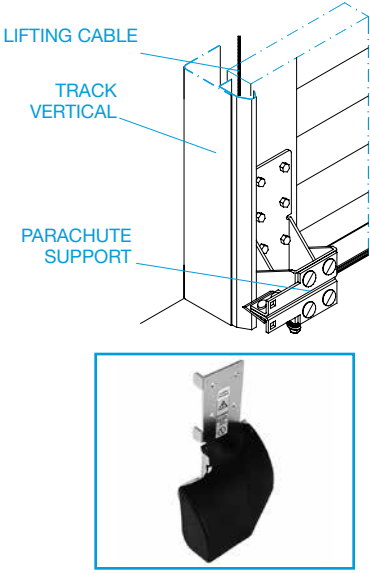
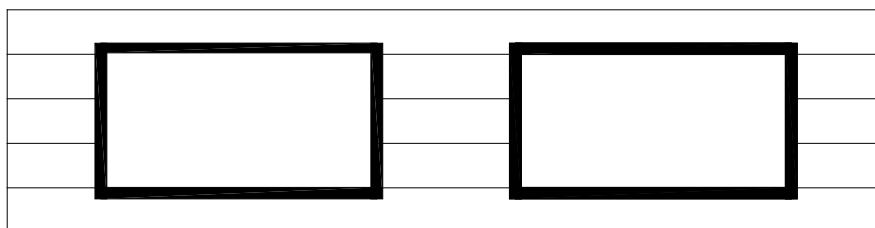


FIG 31



N° OF VISION PANELS ACCORDING TO THE WIDTH OF THE DOOR WITH STRIPED/RIBBED PANELS

UP TO	2000	3000	4000	5000
	2	3	4	5



WHITE

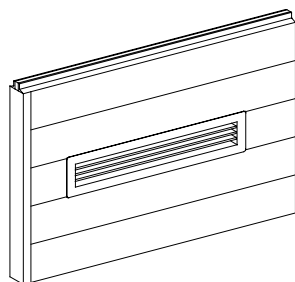


BLACK



BROWN

FIG 32

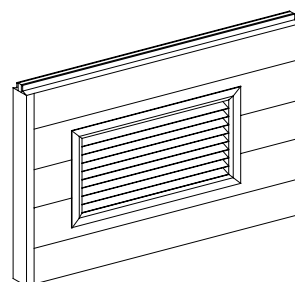


TYPE	DIMENSION	AIR FLOWING
with frame and counter frame	480 x 98 mm	cmq. 250

N° OF GRILLS ACCORDING TO THE WIDTH STRIPED/RIBBED PANELS

UP TO	2000	2640	3470	4300	5000
	2	3	4	5	6

FIG 33



TYPE	DIMENSION	AIR FLOWING
with frame and counter frame	500 x 345 mm	cmq 830

N° OF GRILLS ACCORDING TO THE WIDTH STRIPED/RIBBED PANELS

UP TO	2000	3000	4000	5000
	2	3	4	5

RECTANGULAR VISION PANEL

507 x 340 mm

(in a 2 methacrylate material)

COLOURS

White, black and brown.

NOTE

For the 'Georgian' style type the maximum quantity of squares depends, on the how many can fit the length of the panel (see page 8)

PVC GRILL

Available colours: white, black and brown.

Only for striped and ribbed panels.

ANODIZED ALUMINIUM GRILL

Available colours: silver, white and black.

For striped, 'Georgian' style and ribbed panels.

NOTE

For the 'Georgian' style type the maximum quantity of squares depends, on the how many can fit the length of the panel (see page 8)

AUTOMATION

PULLING DRIVE MOTOR

All doors can be equipped with an automation system. The pulling drive motor is assembled on the center part of the door. The D600 model can be installed on the doors with a surface not exceeding 7 square meters. The D1000 can be used on surfaces up to 15 square meter.

The motor consists of:

- An incorporated electric panel 220 Volts
- Motor rod L = 2600 mm and L=3200 mm
- Couple of photocells
- Radio controller
- Dual channel transmitter
- Flasher

Upon specific request you can have:

- External unlocking lever
- Four channel transmitter
- Key selector
- Photocell towers
- Switchboard with personal code

MOTOREDUCER TECHNICAL CHARACTERISTICS

RESIDENTIAL DOORS SERIES TRADITIONAL

FIG 34

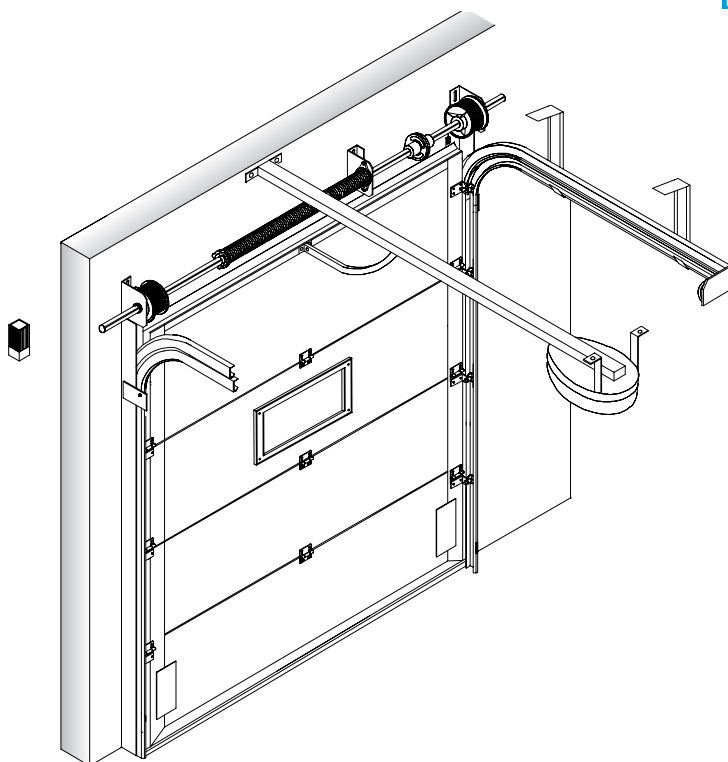


FIG 35

MOTOREDUCER TECHNICAL CHARACTERISTICS		
	D600	D1000
Power supply (V ~ / 50 Hz)	230	230
Electric motor (Vdc)	24	24
Maximum absorbed power (W)	220	350
Thrust force (N)	600	600/1000
Frequency of use	continuous	continuous
Max overall dimensions from ceiling (mm)	35	35
Courtesy light (V ~ / W)	230 / 40 max	230 / 40 max
Courtesy light timing (sec)	120	120
Carriage standard off load speed (m/min)	6,6	8,9
Carriage reduced off load speed (m/min)	3,8	4,5
Carriage speed at slow-down (m/min)	1,3	1,1
Noise at standard speed (db(A))	52	52
Travel length at slow-down (mm)	Variable from setup	Variable from setup
Safety device	Category 2	Category 2
Sectional door maximum width (mm)	5000	5000
Sectional door maximum height (mm)	(see effective travel)	(see effective travel)
Effective travel of sliding guide (mm)	1900-2500-3100	2500-3100-3800
Protection class	for internal use only (IP 20)	for internal use only (IP 20)
Operating ambient temperature (°C)	-20/+55	-20/+55

FIG 36



MOTOR



2 CHANNEL TRANSMITTER



PHOTOCELLS



FLASHER



RECEIVER

SERIES ACCESSORIES

FIG 37



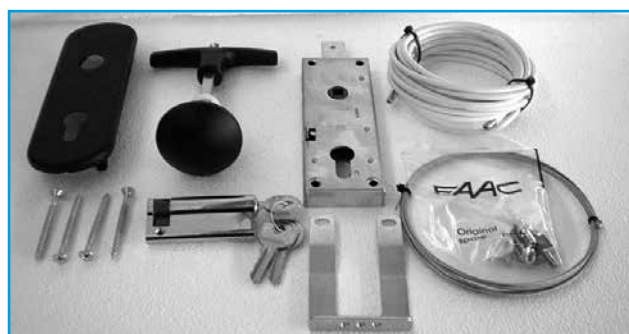
SWITCHBOARD WITH COMBINATION



FOUR CHANNEL TRANSMITTER



KEY SELECTOR



EXTERNAL UNLOCK KEY

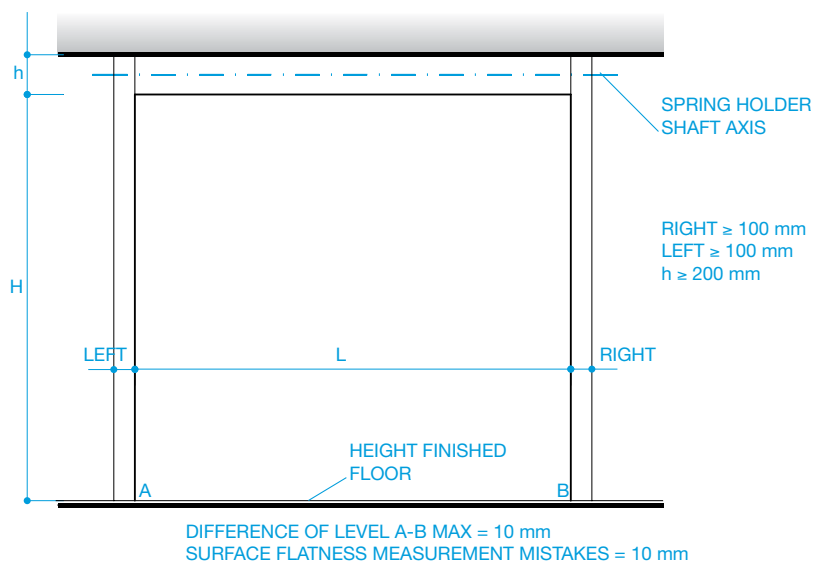


PHOTOCELLS TOWERS

OPTIONAL ACCESSORIES

EXAMPLE OF INSTALLATION ON METAL CARPENTRY

FIG 38





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

CERTIFICAZIONI CERTIFICATIONS

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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