

Technological Innovation

Garage doors and patented locking systems



 OVERLAP

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*Overlap Plana
Pietravera
Galatea*



COMPANY

Overlap mission and corporate value

Overlap manufacturing operation was established on December **2013** as part of the Delta SpA group of companies. Delta SpA was created in **1972** as a manufacturer of rubber and polyurethane components and is now a world **leader** thanks to its specific knowledge and the technologies developed in this industry.

Specifically Delta Overlap **mission** is the development of the Overlap technology for the garage door residential market and extend the use of this patented technology to other areas like the industrial and the technical domain.

The client in the first place

Overlap is already a leading manufacture and industry reference within the high end **residential garage** door market with a dedicated production facility and highly skilled staff.

Our team is an added value.

PATENT

Overlap is an innovative concept that does not require the ceiling tracks and reduces the space occupied inside the garage. The operator is housed in the upper beam of the door frame.

Overlap functioning

This solution operates the two sections of the door without the need of the tracks inside the garage where the first section acts as the track and rail for the second section that follows beneath.

The garage doors with Overlap patented technology





Traditional sectional garage door

1 Ceiling rails

When the traditional sectional garage door opens it moves parallel to the ceiling along the tracks which are fixed on the ceiling which then remain in place even when the door is closed.

2 Operator

The motor is also fixed to the ceiling and takes considerable space inside the room.

3 Spring operated

The traditional garage door opens and shuts with the help of metal springs which are sized for specific open/close cycles, are under mechanical stress and undergo wear and tear with the time.

4 Appearance

The presence of many individual sectional panels require various hinges and hardware on the internal side of the garage and do not enhance the appearance on the external side too.



Overlap door

1 Trackless

This is the main feature that makes Overlap a unique selling proposition. Thanks to its self-standing frame and the two stackable sections, Overlap does not require the unsightly ceiling rails.

2 Operator positioned inside the frame

The motor is housed inside the upper beam of the door frame, does not need sliding structures and does not reduce the net passage (height) of the garage door.

3 Counterweight system

The mechanical movement of the panels is provided by double counterweights on each side of the frame and as a consequence parts exposed to wear and tear are reduced to a minimum.

4 Appearance

This innovation makes a clean and orderly garage space both inside and outside and offer bespoke solutions in sizes and finishes.



**Overlap Plana
Full Glass**
*Transparent upper panel
and satin-finish lower
panel*



*Glass Panel
Transparent glass*

Design is the synthesis of rigor, aesthetics, and functionality

The wide range of solutions and aesthetic finishes allows for an exterior result rich in personality, perfectly blending with any type of home. Italian design is an undeniable added value that makes the Overlap door unique. Its charm, aesthetic beauty, and elegance give it exclusivity.

DESIGN - AESTHETICS



*Overlap Plana
Pietravera
Galatea*

B- SIDE

*More
space
for your
space*

COM PLETE NESS



*Internal side
New Plana 40*

Attention to detail is applied to both the external and internal sides. The absence of ceiling guides, the hidden motor, and the mechanically painted structure in white or anthracite create a pleasant and elegant aesthetic result inside the garage. The internal side of the panels is painted white; upon request, the panels can be customized.

The space that creates an excellent visual impact

The innovative Overlap system halves the internal clearance when the door is open. With Overlap, you get the best use of the internal space in the garage and optimize the passage light, both in height and width. When the door is open, the clearance height is only 200 mm lower than the outer frame (this applies only to the 40 mm doors). Overlap is the ideal solution in situations with sloped ceilings, vaults, lowered beams, or walls with tight curves or angles.

*Internal side
New Plana 75*





**More space,
more comfort**

—
Ideal for **low-depth**
or **openings flush with the street.**

Energy Efficient

The **electronically controlled** Overlap motorization drives one mechanical clutch linked to the counterweights. This design is **energy efficient**.

Overlap cuts out well **wind and water**, offer sound insulation when closed and quiet and smooth operation when opening and closing.

**Reduced energy
consumption and
thermal insulation**

Thermal transmittance
up to $U = 1,30 \text{ W/m}^2 \text{ K}^*$
(New Plana 75)

Thermal transmittance
up to $= 1,50 \text{ W/m}^2 \text{ K}^*$
(Classic, New Plana 40)

**value obtained for a close door
with behind wall installation.*





Overlap Plana
Plana Sheet metal
7016
Anthracite gray

- **Security and technology**

- **Anti-burglary locking system**

- **Anti-crushing system**

- **App for iOS and Android**

- **Certification according to the UNI EN 1627 standard and resistance class (RC) = 2**

Overlap achieves **high security standards**. The mechanical bolt locking system ensures unique closing performance and **anti-burglary security**. The Overlap motorization allows for any connection to **alarm and home automation systems**. The amperometric control system during movement phases and the option to install photoelectric cells on the inside and outside ensure absolute standards of **passive safety**.



The motor and electronic board diagnostics are performed by **authorized Overlap centers** using a specially developed app for Delta Overlap.

The Overlap door has passed **the anti-burglary certification tests** according to the UNI EN 1627 standard, achieving a resistance class **(RC)= 2**. The certification is valid for all available sizes in the Overlap range, featuring a double-sheet insulated panel.

**FOR
THOSE
WHO LOVE
PURE
ITALIAN
STYLE**

1

mission possible

Overlap makes it possible numerous **customized solutions** to provide you with the garage of your dreams. The Overlap system is suitable also for non-garage environments when a technical access is needed and at the same time the appearance is important or there are **space constraints**.

3

Overlap listens to your ideas and gives shape to your project

bespoke
solutions

2

Overlap is made to measure and **customized** each time, with different materials, claddings and colours.



Plana Models

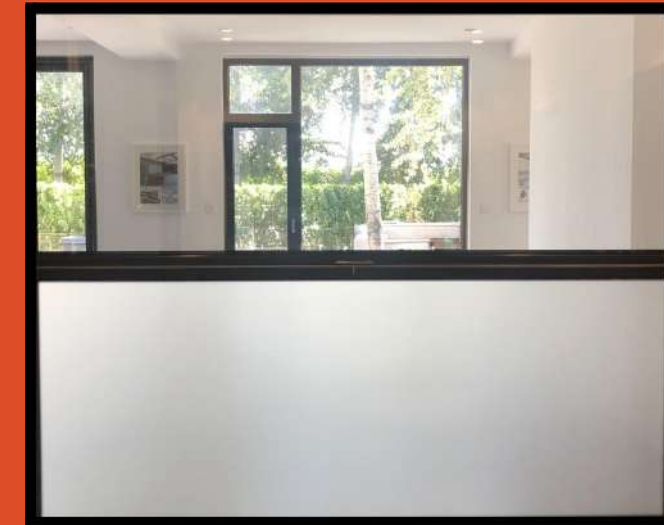
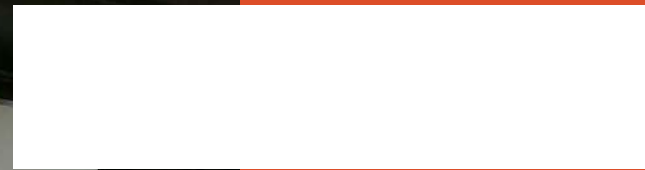
With **Plana panels**, aesthetic solutions are created that make it rich in personality, achieving a result of absolute rigor and cleanliness. Overlap Plana is available in:

Sheet metal
Laminate
Glass
Pietravera

Overlap Plana
Wood
770 Yale Oak

Overlap Plana
Full Glass
Transparent glass

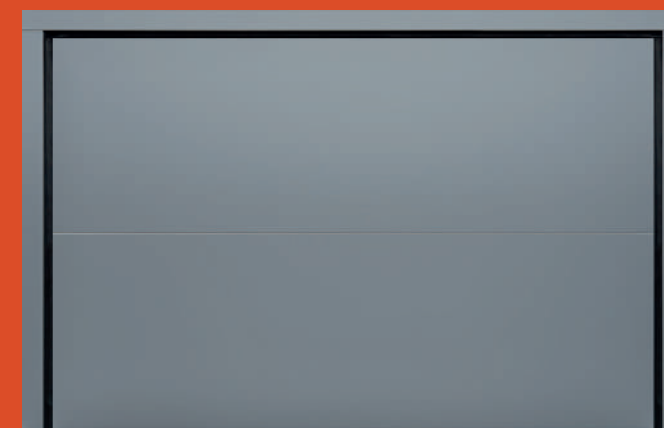
Full Glass



Overlap Full Glass, is made with safety glass and allow the day light to brighten your garage. Overlap Full Glass is a garage door with clear **glass**, **satin glass** and **tinted glass** suitable when you want natural light for your garage, working space or to create a showroom.

Available in all RAL colors

Color



Plana sheet metal
offers modern solutions
and adds a touch of
personality thanks to the
availability of all RAL
colors and custom color
matching.



Overlap Plana
Sheet metal
9006
White aluminium



Mod. Plana
Wood
0932 Akro Terra

Overlap Plana
Wood
0932 Akro Terra

Wood

Laminate



The finish **Wood**
enhances the warmth
of the wood with classic
solutions and refined
veins.

Material

Laminate



The finish **Material** creates an innovative solutions with a marked aesthetic impact referring to the **burning volcanic rocks**, the chromatic variations of the Corten and the other available finishes.

*Overlap Plana
Material
0794 Bronze Patina*

Overlap Plana
Pietravera
Themis



Pietra vera



The **Pietravera** surface
offers a pleasant
aesthetic effect, thanks
to its natural beauty.

Classic Models

With **Classic panels**, linear solutions are created, making the Overlap door suitable for any architectural style, whether modern or traditional, with a wide range of surfaces and colors that create a unique aesthetic result.



Air



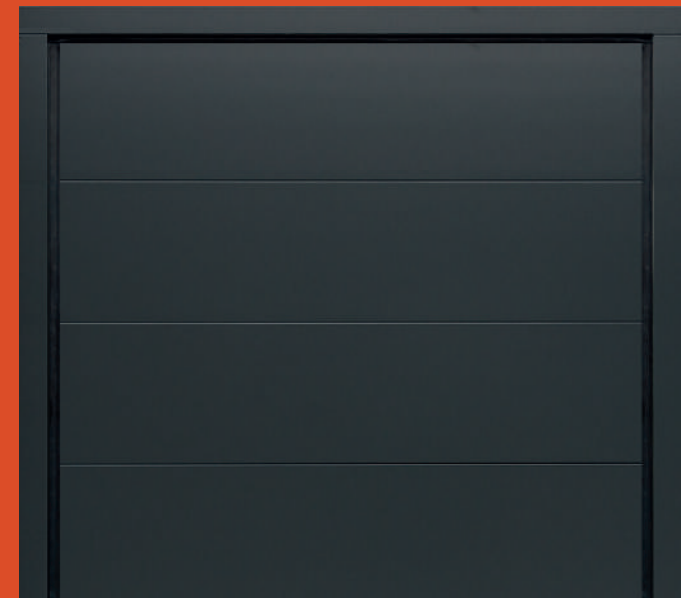
Wide

Overlap Classic
Air
7016
Anthracite gray



Air

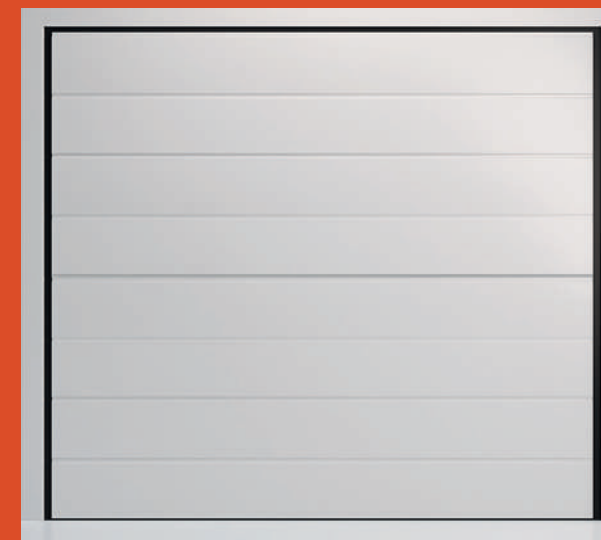
Overlap Classic
Air
Slightgrain
RAL 7040



The combination of panels without grooves gives this door a **refined** and **minimal** effect.

Overlap Classic
Wide
9006
White aluminium

Wide



In the **Wide** model the thickness of the groove accentuates the design giving it a **decisive character**.

Over bas Do ors

Overbas Plana
Color
7016 Anthracite gray

Overbas

*The Overlap up
and over garage door.*

All the advantages Overlap

1

Concealed
operator

2

Trackless
solution

3

Counterweights
movement

4

Approved
for break-in
resistance
Class 2*

*Feasible in all the
Overlap aesthetic Plana
and Classic Range*

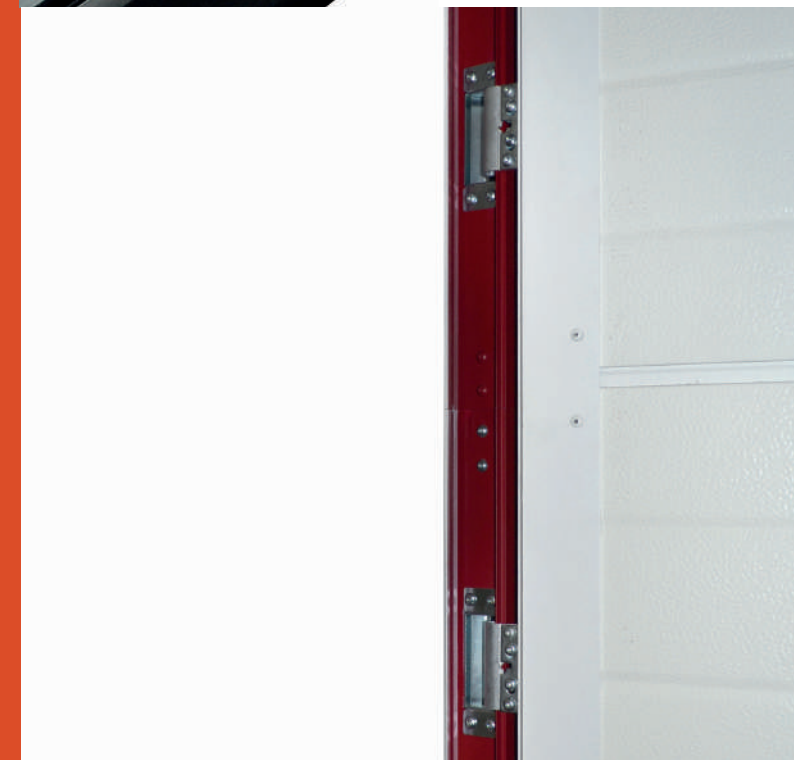
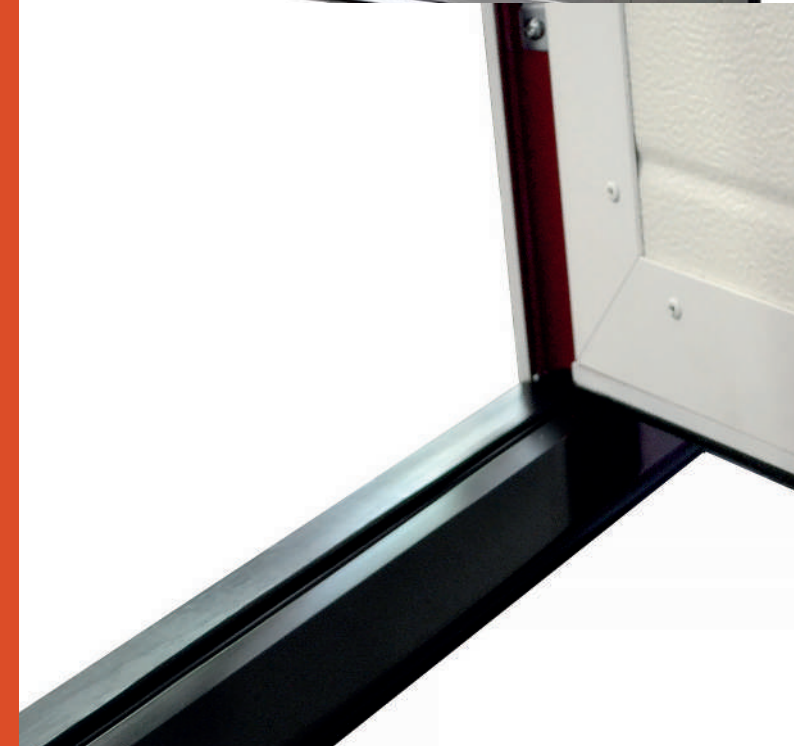


*Overbas Plana Material
with wicket door*



*Overbas Classic
with wicket door*

**The security feature is not
available with wicket door.*



Internal view

Threshold lowered

**wicket door.*

Concealed hinge



Between wall installation

This installation type is suited in case the wall opening does not allow fixing behind the opening. It is especially common in the case of a door replacement. Thanks to the self-supporting frame, Overlap doors with outer frame dimensions until can be directly fixed to sidewalls and over-wall with no other supporting component (e.g. Tubular, etc.) which is otherwise necessary for bigger dimension doors.

Installation types: Overlap - Overbas

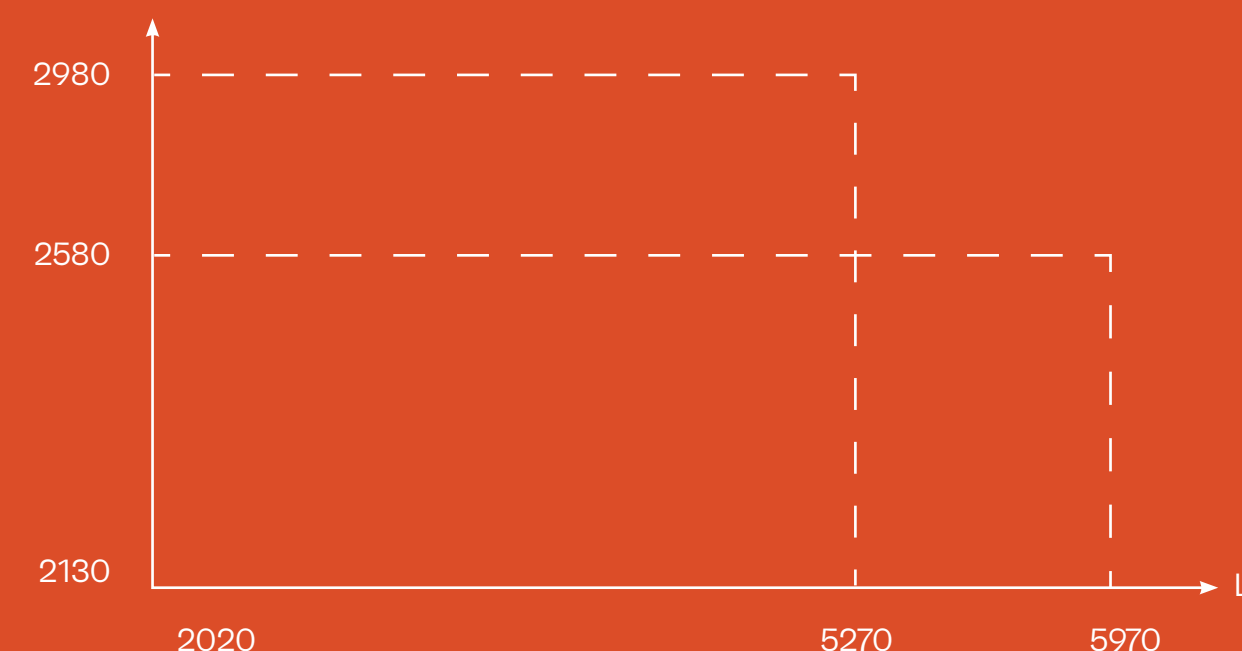
Behind wall installation

This installation is performed when the wall opening presents enough side-room and head-room. In this case, the door frame is anchored behind the wall and it is possible to maximize door clearance. This solution should be preferred as it allows a better thermal insulation of the garage.

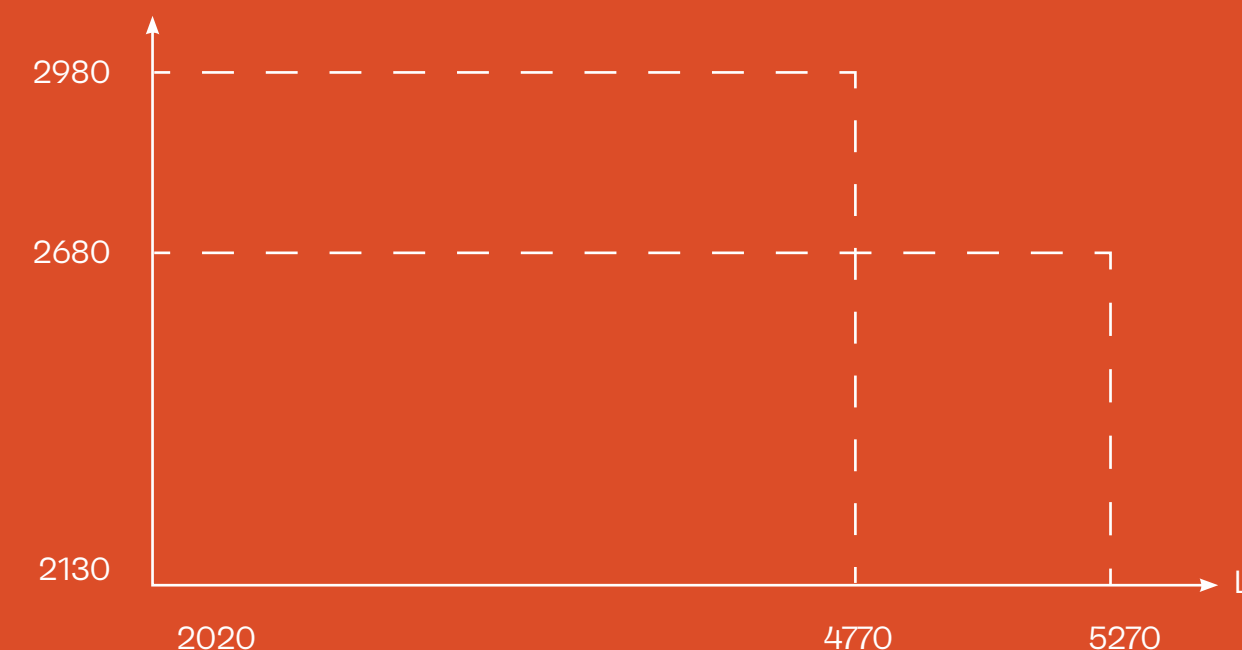


Sizes

Overlap and Overbas are always made to measure, both in width and height with steps of 50mm or 10mm (optional). Overbas in the non overflowing version is feasible for maximum size 3970mm to 2680mm. Different sizes are possible upon request.



Overlap size table: outer frame size (mm)



Overbas size table: outer frame size (mm)

Colors and surfa ces

Ral



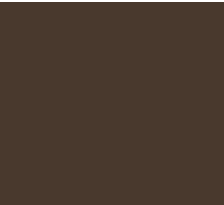
9016
Traffic
White



9006
White
Aluminium



7016
Anthracite
Gray



8014
Sepia
Brown



6009
Fir
Green

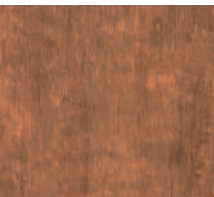
Artcoat Wood



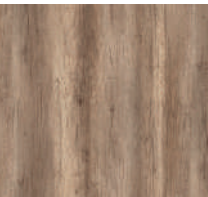
0926
Jazz



0925
Butterfly



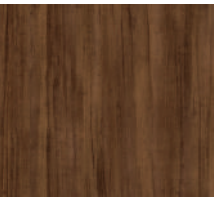
0931
Akro Almond



5171
Polar Oak



5172
Marshland
Oak



0922
Amazon

Artcoat Material



0428
Cave



0429
Corro



0794
Patina Bronze



Putty

Artcoat Stone
(beyond availability Pietravera)



Sp White



Astrea



Hecate

Pietravera



Galatea



Themis



Hera



Bianco
Carrara

Glass



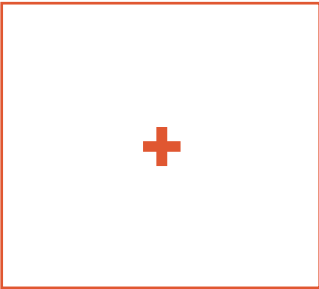
Transparent
Glass



Frosted
White Glass

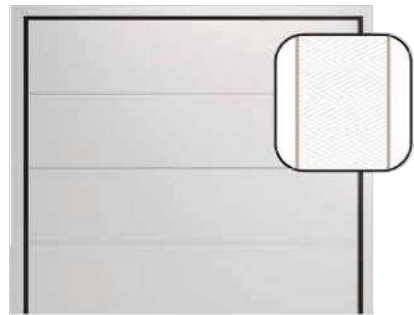
New

ARTCOAT
Digital Printing



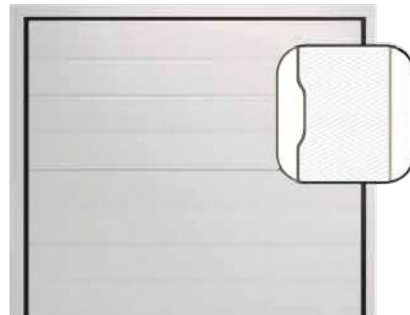
Customize
your print

Surfaces



Air

Woodgrain
Slightgrain



Wide

Woodgrain
Slightgrain

Superfici



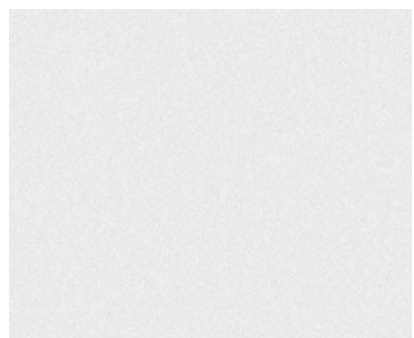
Woodgrain

Surface that echoes the thickness and natural movement of wood, a classic and timeless finish.



Smooth

Smooth and bright surface that enhances the color and highlights the character of the door.



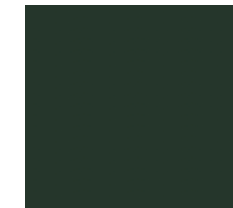
Slightgrain

Smooth surface but with a slight texture that gives the color a modern character.

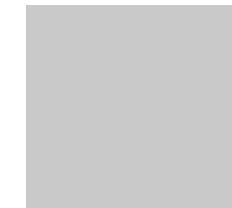
Ral (Sheet metal)



9016
Traffic White



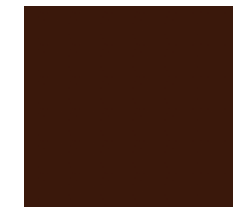
6009
Fir Green



9006
White
Aluminium



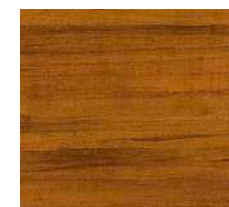
7016
Anthracite
Gray



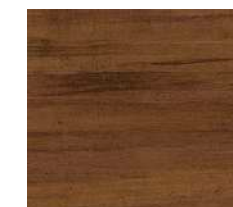
8014
Sepia
Brown

Woodstyle

(Sheet metal o Artcoat)



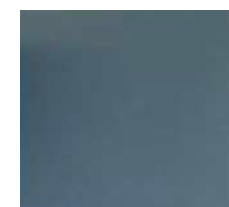
Light
Tint



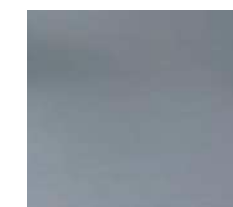
Medium
Tint

Special

(Sheet metal)



7016



9007



Inner Side + Space - Problems

Accessories

Material
0428
Cave



**Four-channel
remote control**



**GSM module for
remote opening
and closing**

**Platinsilver
Handle

Platinbronze
Handle**



**Fixed window
with double-
glazing and
plastic frame**



**Two-channel
numeric keypad
in stainless steel
with wireless
or wired
connection**



**Rectangular
ventilation grille
in plastic**

Flashing lights



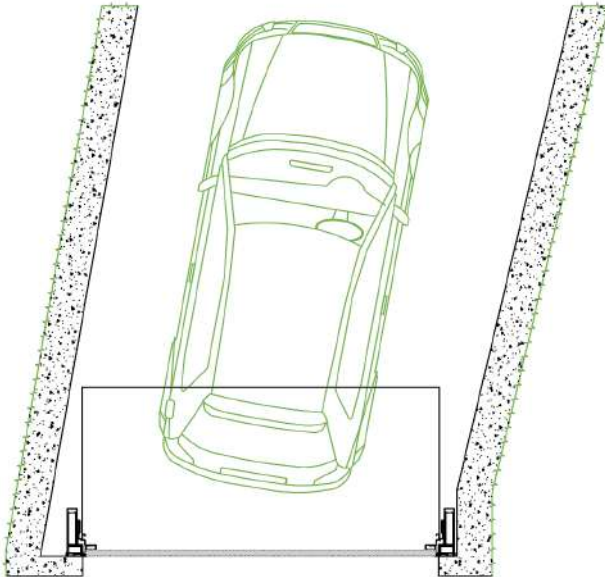
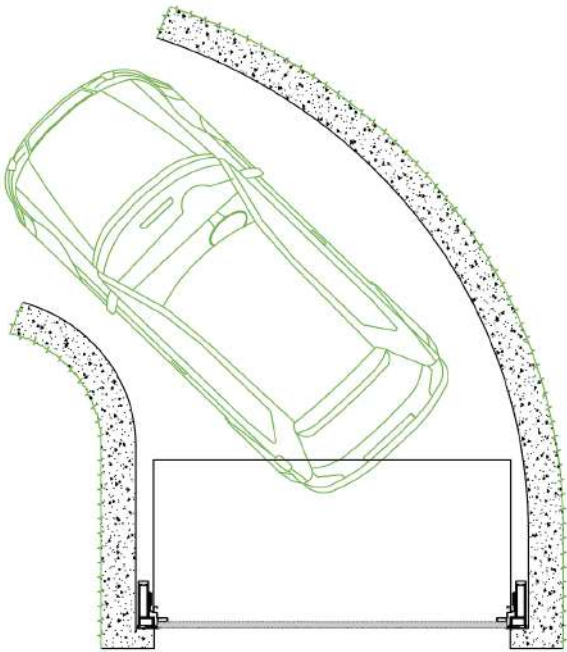
**Rectangular
ventilation grille
in aluminum**



The background of the entire page is a high-contrast, close-up photograph of a mechanical assembly. It features white plastic components, black cables, and various screws and bolts. A semi-transparent orange rectangle is overlaid on the left side of the image, serving as a backdrop for the title text.

Technical Section

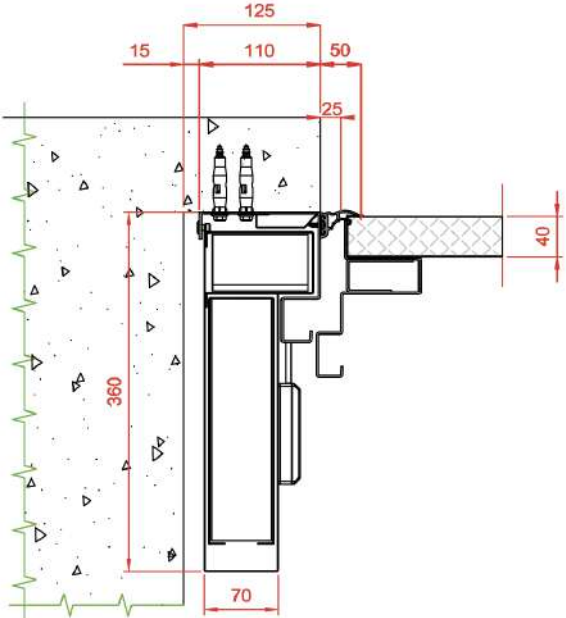
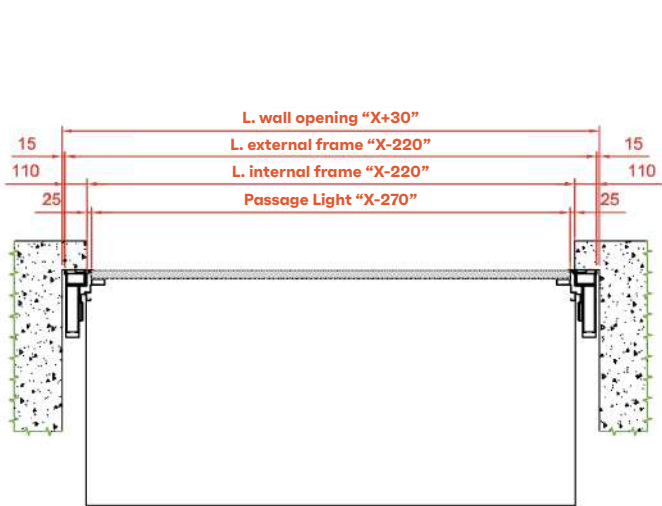
The Overlap solutions



Garage with curved walls

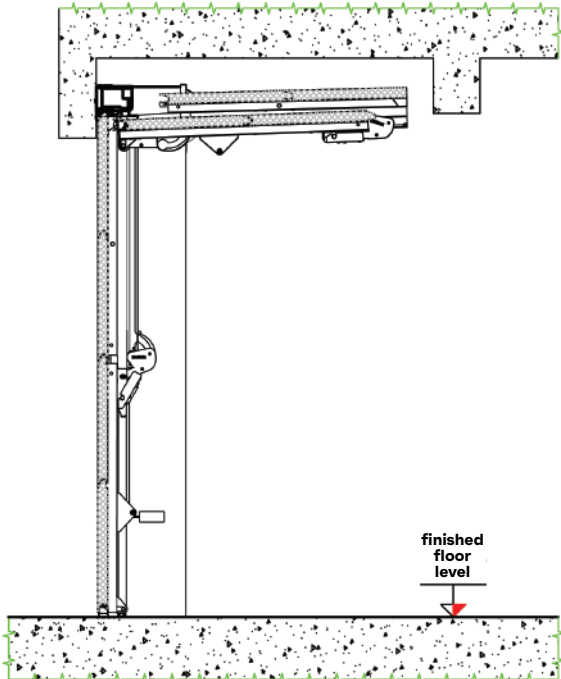
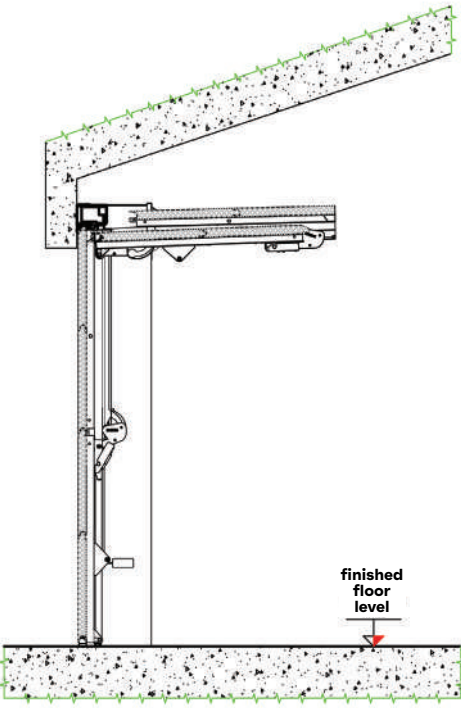
Garage with sloping walls

Installation beyond the light



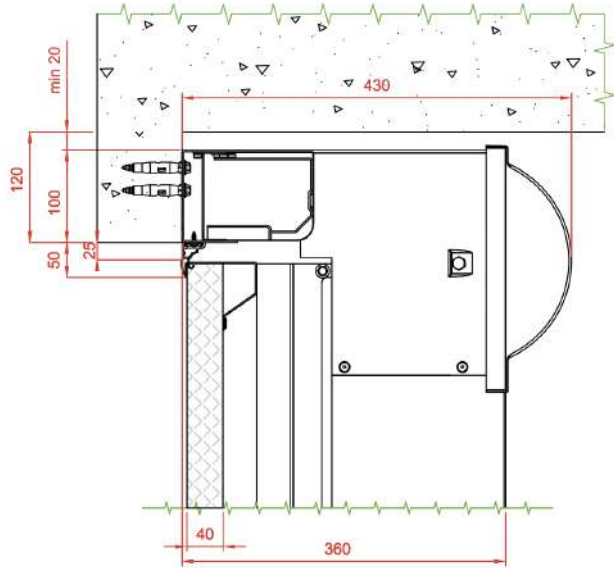
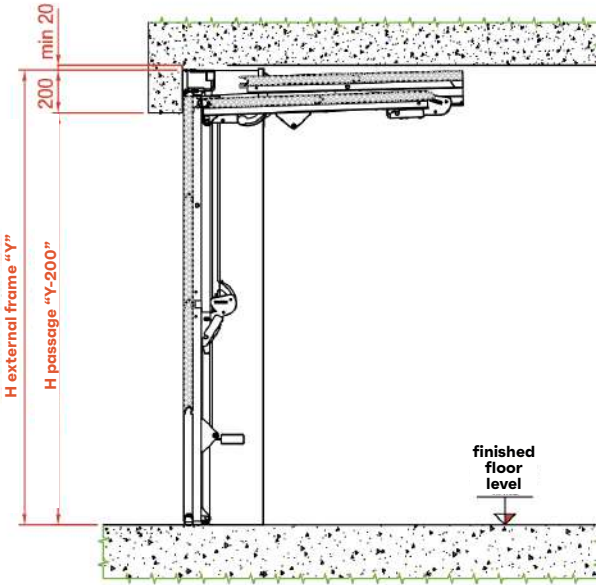
Horizontal section - general

Horizontal section - detail



Garage with sloped ceiling

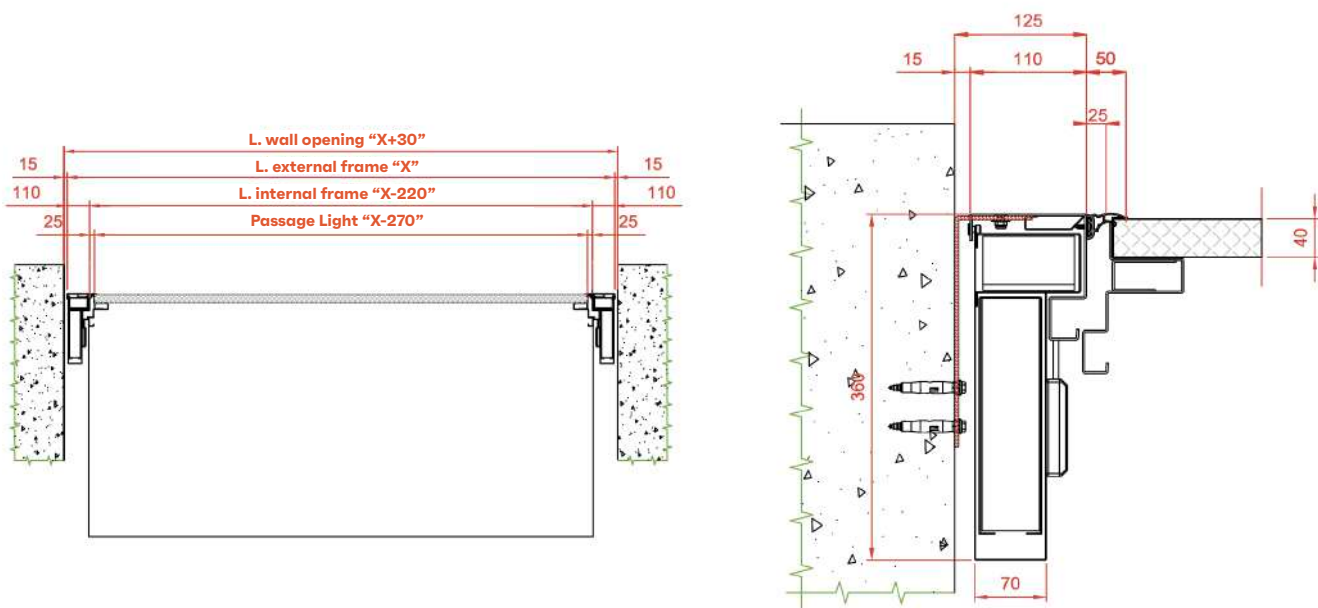
Garage with ceiling obstacle



Vertical section - general

Vertical section - detail

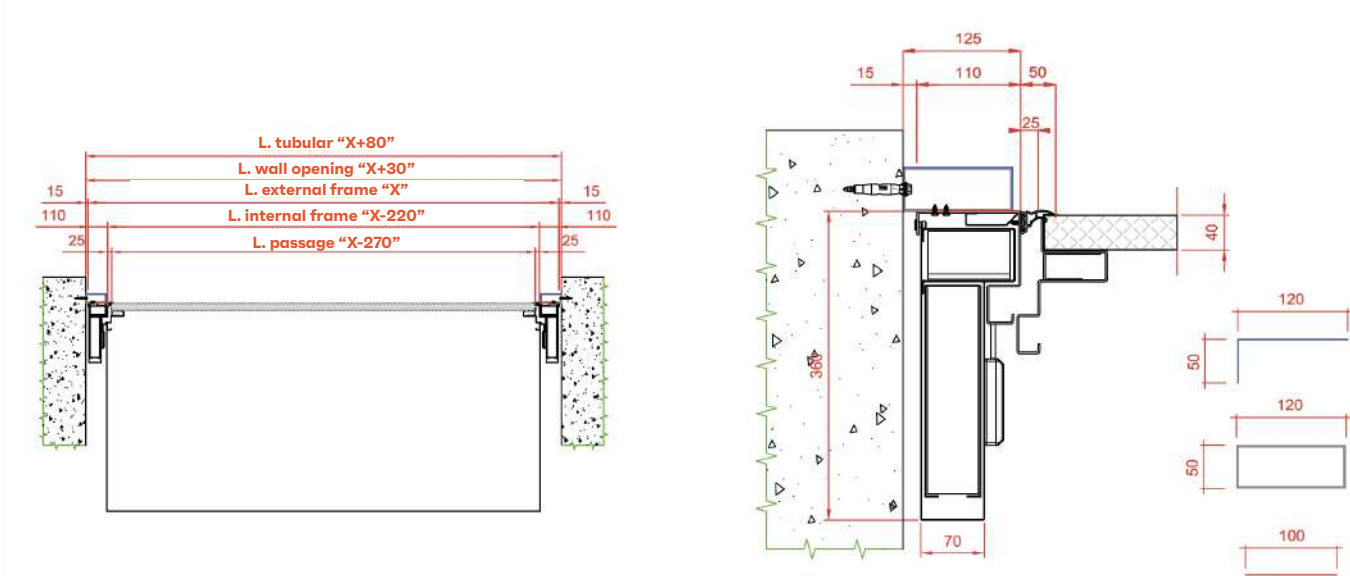
Installation in light, Doors sectors A - B - C - D
(without tubulars)



Horizontal section - general

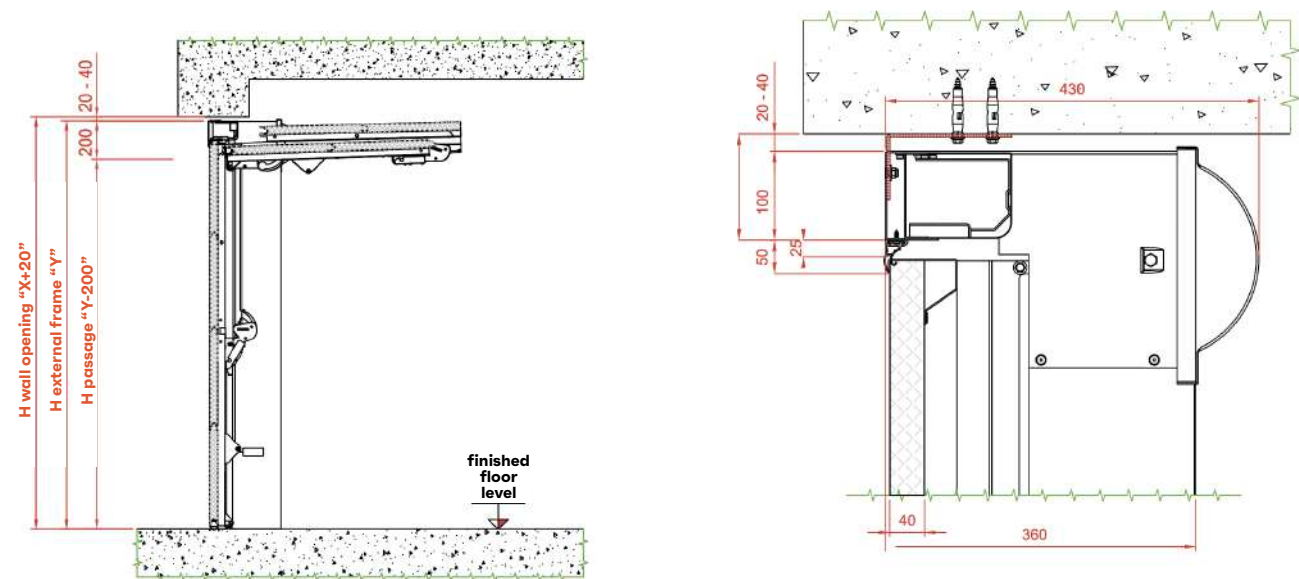
Horizontal section - detail

Installation in light, Doors sectors E - F - G - H - I
(with tubulars)



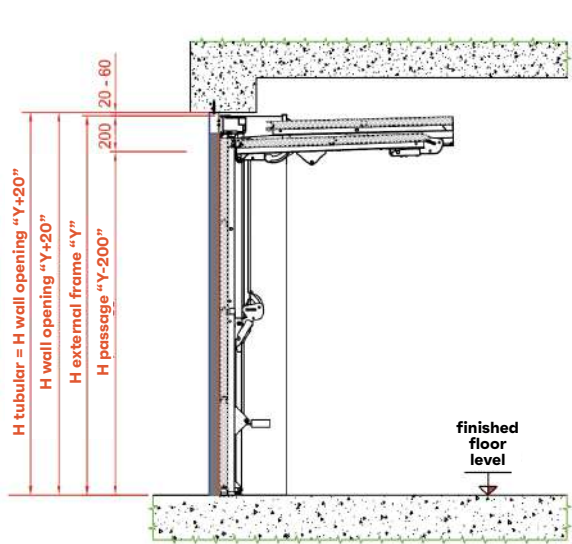
Horizontal section - general

Horizontal section - detail

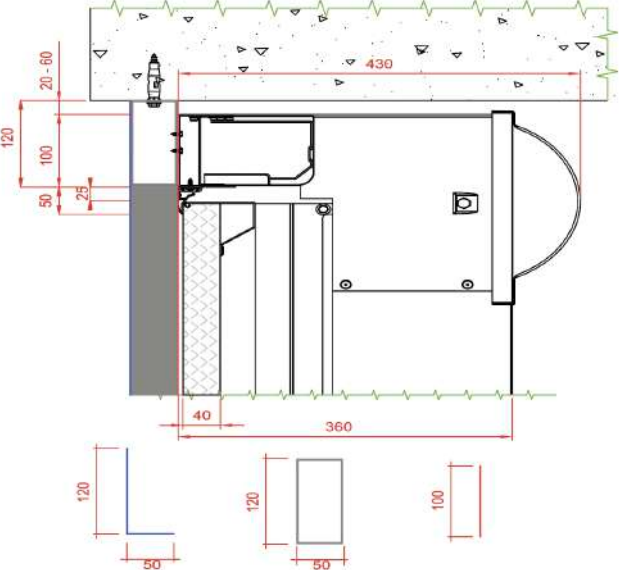


62 Vertical section - general

Vertical section - detail



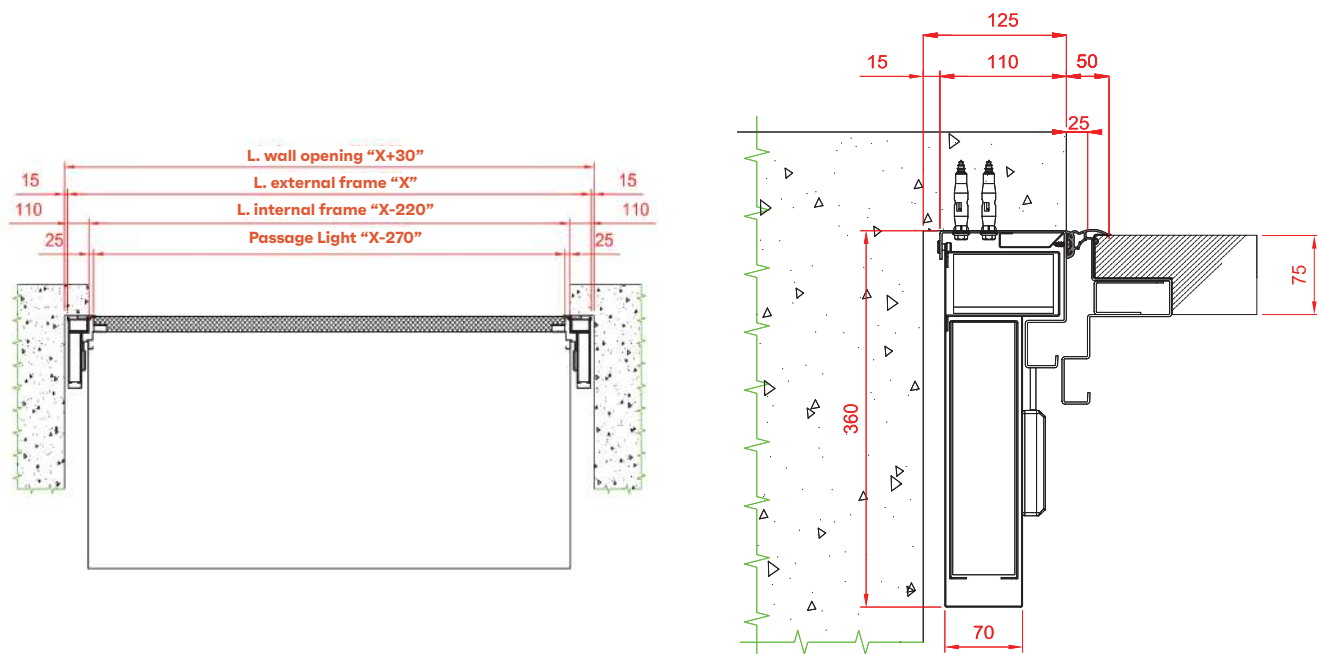
Vertical section - general



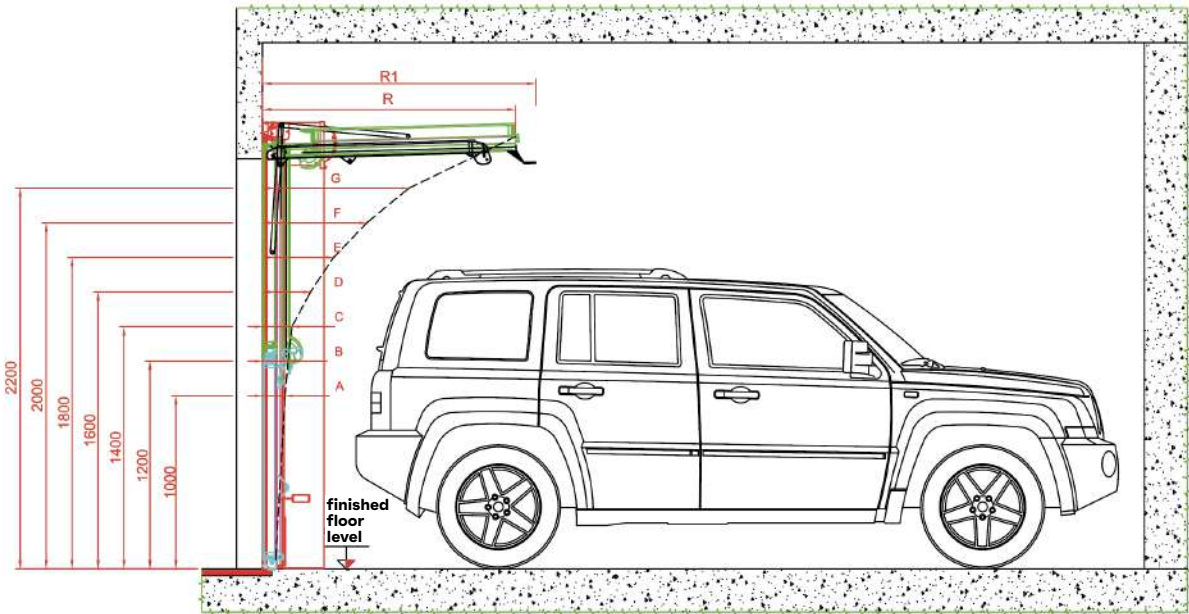
Vertical section - detail

Details New Plana 75 mm

(Only the installation beyond light is shown as an example)

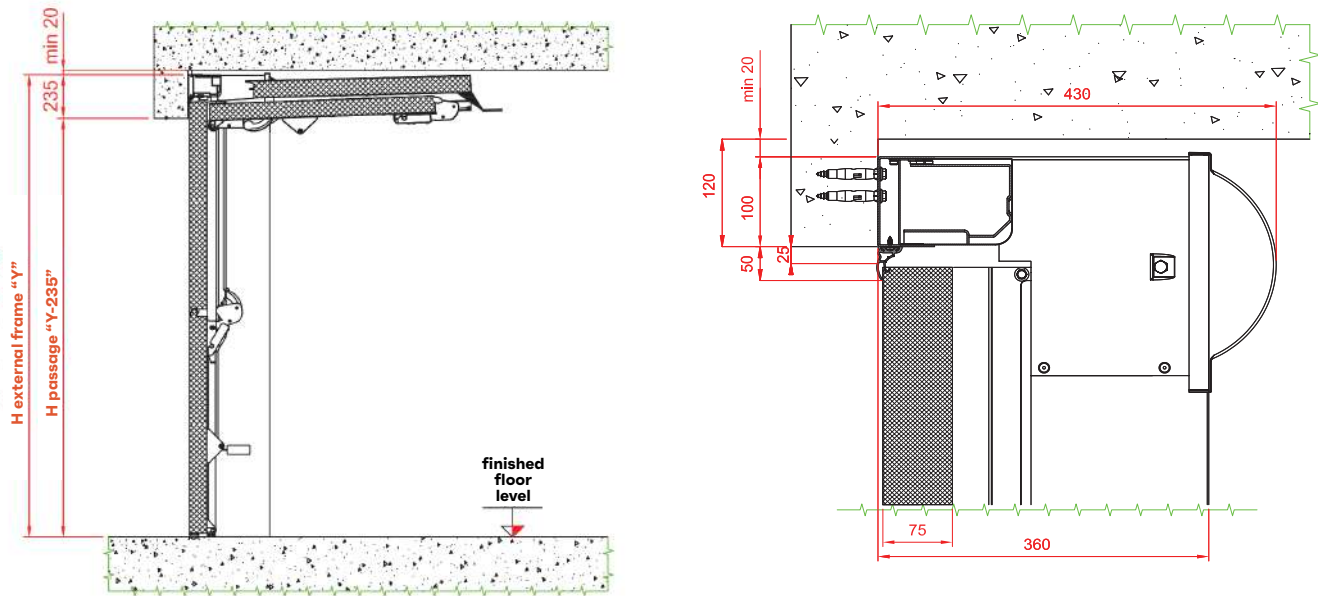


Trajectory and dimensions Overlap Classic
(Air and Wide) measurements in mm



Horizontal section - general

Horizontal section - detail



external frame	passage light	A	B	C	D	E	F	G	R	R1
		1000	1200	1400	1600	1800	2000	2000		
2130	1930	149	194	319	487	725	/	/	1270	1350
2180	1980	147	186	300	460	685	/	/	1320	1400
2230	2030	145	177	281	432	646	/	/	1370	1450
2280	2080	142	169	261	405	606	/	/	1420	1500
2330	2130	140	160	242	377	566	776	/	1470	1550
2380	2180	138	158	227	357	536	741	/	1520	1600
2430	2230	137	155	213	338	505	706	/	1570	1650
2480	2280	135	153	198	318	475	670	/	1620	1700
2530	2330	133	150	183	298	444	635	896	1670	1750
2580	2380	131	148	170	278	412	603	847	1495	1575
2630	2430	130	147	168	272	405	590	820	1545	1625
2680	2480	129	146	166	267	399	577	793	1595	1675
2730	2530	128	144	165	262	394	564	766	1645	1725
2780	2580	127	143	163	257	388	551	739	1695	1775
2830	2630	127	142	162	253	383	539	726	1745	1825
2880	2680	126	141	160	249	377	527	714	1795	1875
2930	2730	126	140	159	245	372	514	701	1845	1925
2980	2780	125	139	157	241	366	502	688	1895	1975

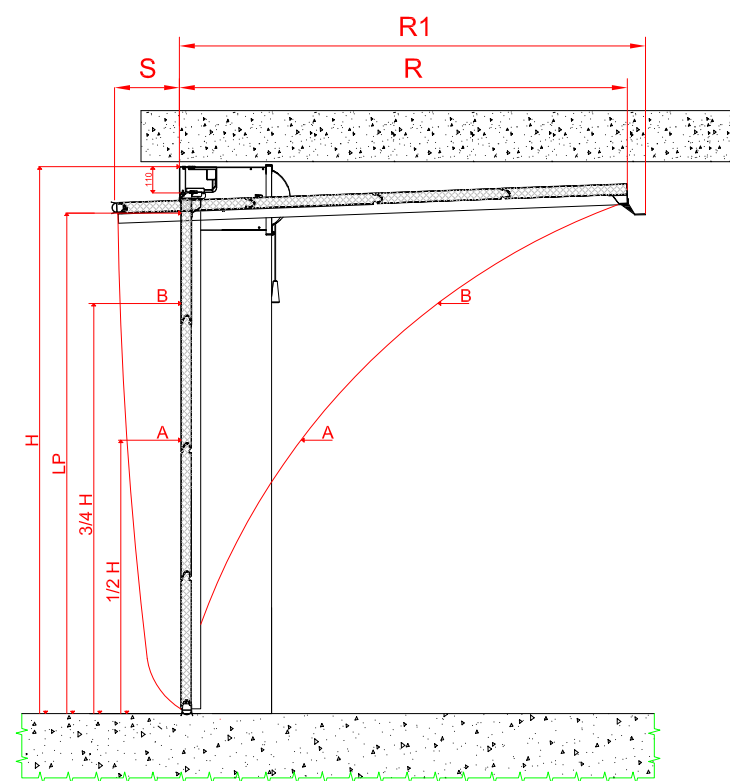
Dimensions Overlap Plana 40 measurements in mm

external frame	passage light	R	R1
2130	1930	1270	1350
2180	1980	1320	1400
2230	2030	1370	1450
2280	2080	1370	1450
2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1845	1925
2830	2630	1895	1975
2880	2680	1895	1975
2930	2730	1920	2000
2980	2780	1945	2025

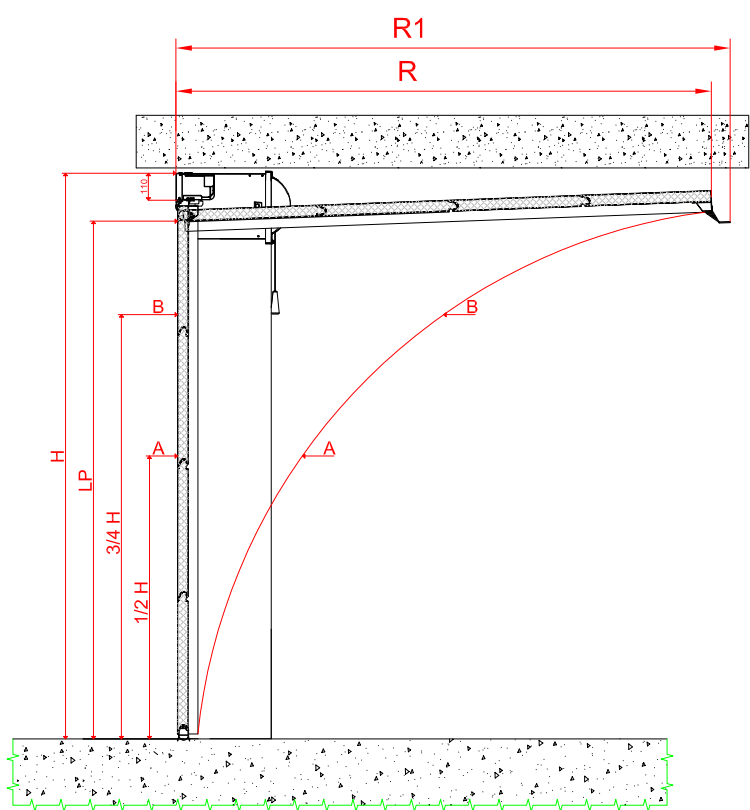
Trajectory and dimensions Overlap Plana 75 measurements in mm

external frame	passage light	A	B	C	D	E	F	G	R	R1
		1000	1200	1400	1600	1800	2000	2000		
2130	1895	184	229	354	522	760	/	/	1270	1350
2180	1945	182	221	335	495	720	/	/	1320	1400
2230	1995	180	212	316	467	681	/	/	1370	1450
2280	2045	177	204	296	440	641	/	/	1370	1450
2330	2095	175	195	277	412	601	811	/	1370	1450
2380	2145	173	193	262	392	571	776	/	1420	1500
2430	2195	172	190	248	373	540	741	/	1420	1500
2480	2245	170	188	233	353	510	705	/	1445	1525
2530	2295	168	185	218	333	479	670	931	1470	1550
2580	2345	166	183	205	313	447	638	882	1495	1575
2630	2395	165	182	203	307	440	625	855	1520	1600
2680	2445	164	181	201	302	434	612	828	1545	1625
2730	2495	163	179	200	297	429	599	801	1570	1650
2780	2545	162	178	198	292	423	586	774	1595	1675
2830	2595	162	177	197	288	418	574	761	1620	1700
2880	2645	161	176	195	284	412	562	749	1645	1725
2930	2695	161	175	194	280	407	549	736	1670	1750
2980	2745	160	174	192	276	401	537	723	1695	1775

Trajectory and dimensions Overbas Overhanging - measurements in mm



Trajectory and dimensions Overbas Non-overhanging - measurements in mm



external frame	A-A	1/2 H	B-B	3/4 H	S	R	R1	passage light*
1980	360	990	860	1480	190	1660	1740	1735
2030	360	1015	860	1520	190	1710	1790	1785
2080	360	1040	860	1560	240	1710	1790	1830
2130	360	1065	860	1600	240	1760	1840	1880
2180	360	1090	860	1630	290	1760	1840	1925
2230	360	1115	860	1670	290	1810	1890	1975
2280	360	1140	860	1710	340	1810	1890	2020
2330	360	1165	860	1750	340	1860	1940	2070
2380	360	1190	860	1790	390	1860	1940	2115
2430	360	1215	860	1820	390	1910	1990	2165
2480	360	1240	860	1860	440	1910	1990	2210
2530	360	1265	860	1900	440	1960	2040	2260
2580	360	1290	860	1940	490	1960	2040	2305
2630	360	1315	860	1970	490	2010	2090	2355
2680	360	1340	860	2010	540	2010	2090	2400
2730	360	1365	860	2050	540	2060	2140	2450
2780	360	1390	910	2090	590	2060	2140	2495
2830	360	1415	910	2120	590	2110	2190	2545
2880	360	1440	910	2160	640	2110	2190	2590
2930	360	1465	910	2200	640	2160	2240	2640
2980	360	1490	910	2230	690	2160	2240	2695

*In the presence of a pedestrian door, the passage light decreases by 20 mm

external frame	A-A	1/2 H	B-B	3/4 H	R	R1	passage light*
1980	560	990	1050	1480	1930	2010	1685
2030	570	1015	1075	1520	1980	2060	1735
2080	580	1040	1100	1560	2030	2110	1785
2130	590	1065	1125	1600	2080	2160	1835
2180	600	1090	1150	1630	2130	2210	1885
2230	610	1115	1175	1670	2180	2260	1935
2280	620	1140	1200	1710	2230	2310	1985
2330	630	1165	1225	1750	2280	2360	2035
2380	640	1190	1250	1790	2330	2410	2085
2430	650	1215	1275	1820	2380	2460	2135
2480	660	1240	1300	1860	2430	2510	2185
2530	670	1265	1325	1900	2480	2560	2235
2580	680	1290	1350	1940	2530	2610	2285
2630	690	1315	1375	1970	2580	2660	2335
2680	700	1340	1330	2010	2600	2710	2385

*In the presence of a pedestrian door, the passage light decreases by 20 mm

Standard features

- Frame made by 2mm thick metal sheet steel, lacquered white RAL 9016 or RAL 7016. (for doors to be installed in highly aggressive/corrosive natural environments, we recommend using the AISI 316 stainless steel frame and aluminum panels)
- Lateral double counterweight system.
- Leaf made by sandwich panels 40mm or 75mm thick with polyurethane foam, horizontally oriented and mechanically joined.
- Bottom seal in EPDM rubber with draining profile Anti-entrapment perimeter seal in EPDM rubber, water and wind proof.

Technical specifications

- Trackless garage door with door opening in 2 overlapping sections (OVERLAP) - Un and Over garage door (OVERBAS)

· Thermal transmittance of the door $U=1,30$ W/m^2K^*
(NEW PLANA 75mm).

· Thermal transmittance of the door $U=1,5$ W/m^2K^*
(CLASSIC, NEW PLANA 40mm).

*values obtained for a door without windows and grids with behind wall installation).
Excellent performance in terms of acoustics insulation and air/water/wind resistance.

Motor OverMotion 2018 hidden inside the headbar.
Receivers and remote controls are not included (optionals). In case there is not a secondary access to the garage, it is compulsory to order a double handle.

Warranty

In addition to the 2-years legal warranty, Delta Overlap supports its customers over time offering them an additional coverage period for a total of:

10 years

on metal parts

In accordance with the recommendations in the Delta Overlap sale conditions and in the installation and owner's manual.



DeltaOverlap SRL in order to improve the quality of its doors, reserves the right to make changes to its products at any time, to improve customers satisfaction. The images in this brochure are for the purposes of representing the product and are purely indicative and not binding.

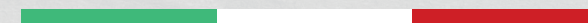
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